INEEL/EXT-03-00120R1

Idaho Completion Project

Eliminate MLLW Backlog and Environmental Services

Life-Cycle Baseline

WBS-A.1.04.00.01
WBS-A.1.04.01.03

Eliminate MLLW Backlog and Environmental Services

TABLE OF CONTENTS

Table of Contents

CoWBS Index

Milestone Log

Corporate Performance Measures

Budget Baseline Tables by year

Subproject Plans
- Subproject Plan
- Subproject Schedule
- Subproject Budget Baseline Table by Year

Appendix A – PBS Crosswalk

IDAHO COMPLETION PROJECT WORK BREAKDOWN STRUCTURE INDEX

WBS#	Title	Responsible Individual
A.1	EM Project	
A.1.04.00.01	**CLN-SP1 MLLW Backlog Disposition**	**Kevin E Kooda**
A.1.04.00.01.01	Commercial Treatment & Disposal	
A.1.04.00.01.02	MLLW Characterization	
A.1.04.00.01.03	RESERVED	
A.1.04.00.01.04	MLLW Storage/Maintenance - CPP 1617	
A.1.04.00.01.05	LLW Backlog Disposition	
A.1.04.00.01.06	Project Management	
A.1.04.00.01.07	MLLW Onsite Treatment	
A.1.04.01.03	**CC-SP4 Evironmental Services**	**Jeffrey D Mousseau**
A.1.04.01.03.01	Site Treatment Plan	
A.1.04.01.03.02	Integrated Waste Tracking System	
A.1.04.01.03.03	Transportation Compliance	
A.1.04.01.03.04	ESH&QA Compliance	
A.1.04.01.03.05	CPP-1619 Ops & Maintenance	
A.1.04.01.03.06	Sitewide LLW Integration	
A.1.04.01.03.07	Hazardous Waste Integration	
A.1.04.01.03.08	Sampling	
A.1.04.01.03.09	LLW Vaults	
A.1.04.01.03.10	Program Management	
A.1.04.01.03.11	LLW Disposal Recovery Account	
A.1.04.01.03.12	Consolidated LLW Staging & Shipping Facility	
A.1.04.01.03.13	Air	
A.1.04.01.03.14	Water	
A.1.04.01.03.15	Environmental Surveillance	
A.1.04.01.03.16	Environmental Reporting	
A.1.04.01.03.17	MLLW Integration	
A.1.04.01.03.18	Landfill Operations	
A.1.04.01.03.19	Lead Disposition	
A.1.04.01.03.20	MLLW Onsite Treatment	
A.1.04.01.03.21	MLLW with No Path to Disposal	

MILESTONE LOG

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.00.01.01.01	CLCL1046	Complete Disposition of 1900m3 Legacy MLLW	SEP-2004		E2
A.1.04.00.01.01.01	CLCL1056	Complete Disposition of 2250m3 Legacy MLLW	SEP-2004		E2
A.1.04.00.02.BB.01	TLB10025	NEW-TRA-001 Complete 100% HWD & Disposition Wast	JUN-2004	JUN-2004	E1
A.1.04.00.02.BB.01	TLB10005	VCO 5.8d: RCRA Closure Certification	MAY-2005	MAY-2005	E1
A.1.04.00.04.BB.01	PLBB0015	VCO PBF Complete HWD on items at PBF	MAR-2004	MAR-2004	E1
A.1.04.00.04.CC.01	PLC10010	Draft Remedial Action Report submitted to DOE-ID	SEP-2005	JAN-2006	E1
A.1.04.00.04.CC.01	PLC10015	Draft O&M Report to DOE-ID	SEP-2005	FEB-2006	E1
A.1.04.00.05.AA.01	SLA01023	Transmit OU 4-13 Drft Rpt	FEB-2004		E1
A.1.04.00.05.AA.03	SLA03015	Transmit Dft OU 10-04 IC&EM RA Rpt to EPA & IDEQ	AUG-2004	AUG-2004	E1
A.1.04.00.05.AA.04	SLA04005	Transmit Dft TNT/RDX Sites RDRA WP to EPA & IDEQ	MAR-2004	MAR-2004	E1
A.1.04.00.05.AA.05	SLA05010	Transmit Dft TNT/RDX RA Report to EPA & IDEQ	NOV-2008	NOV-2015	E1
A.1.04.00.05.AA.06	SLA06005	Transmit Dft STF02 Gun Rge RDRA WP to EPA & IDEQ	APR-2005	APR-2005	E1
A.1.04.00.05.AA.07	SLA07010	Transmit Dft STF02 Gun Range RA Rpt to EPA /IDEQ	MAR-2011	AUG-2018	E1
A.1.04.00.05.AA.08	SLA08005	Transmit Dft OU 10-04 UXO RDRA WP to EPA & IDEQ	JUN-2006	JUL-2006	E1
A.1.04.00.05.AA.09	SLA09010	Transmit Fnl 10-04 Ordnance RA Rpt to EPA & IDEQ	NOV-2013	SEP-2020	E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.00.05.AA.12	SLA12040	Transmit Draft OU 10-08 ROD to EPA & IDEQ	SEP-2017	DEC-2008	E1
A.1.04.00.05.AA.12	SLA12020	Submit Draft Proposed Plan to Agencies	AUG-2018		E2
A.1.04.00.05.AA.13	SLA13015	OU10-08 Trans Drft RDRAWP to Agnc (Soil/Surface)	MAR-2020		E1
A.1.04.00.05.AA.13	SLA13027	OU10-08 Trans Dft RDRAWP to Agnc (INEEL-wide GW)	MAR-2020		E1
A.1.04.01.00.01.01	1L101046	Deliver FY 2003 Performance Data	NOV-2003		E2
A.1.04.01.00.01.01	1L101048	Deliver FY 2003 Year End PEM Submission	NOV-2003		E2
A.1.04.01.00.01.01	1L101051	Deliver FY 2004 1st Qtr. PEM	JAN-2004		E2
A.1.04.01.00.01.01	1L101015	Deliver PTC Reqmts to DOE-HQ	FEB-2004		E2
A.1.04.01.00.01.01	1L101027	Deliver FY 2004 IPL& Impact Stmt.	FEB-2004		E2
A.1.04.01.00.01.01	1L101030	Deliver Outyear IPL to DOE	FEB-2004		E2
A.1.04.01.00.01.01	1L101054	Derliver FY 2004 2nd Qtr. PEM	APR-2004		E2
A.1.04.01.00.01.01	1L101066	Deliver FY 2004 Mid-Yr. Perf Data	MAY-2004		E2
A.1.04.01.00.01.01	1L101057	Deliver FY 2004 3rd Qtr. PEM	JUL-2004		E2
A.1.04.01.00.01.01	1L101148	Deliver FY 2004 Performance Data	NOV-2004		E2
A.1.04.01.00.01.01	1L101151	Deliver FY 2004 Year End PEM Submission	NOV-2004		E2
A.1.04.01.00.01.01	1L101154	Deliver FY 2005 1st Qtr. PEM	JAN-2005		E2
A.1.04.01.00.01.01	1L101106	Deliver LCBs & BCPs	JAN-2005		E2
A.1.04.01.00.01.01	1L101109	Deliver FY 2005 Fall Budg Update	JAN-2005		E2
A.1.04.01.00.01.01	1L101127	Deliver FY 2005 IPL& Impact Stmt.	FEB-2005		E2
A.1.04.01.00.01.01	1L101115	Deliver PTC Reqmts to DOE-HQ	FEB-2005		E2

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.00.01.01	1L101130	Deliver Outyear IPL to DOE	FEB-2005		E2
A.1.04.01.00.01.01	1L101157	Derliver FY 2005 2nd Qtr. PEM	APR-2005		E2
A.1.04.01.00.01.01	1L101163	Deliver FY 2005 Mid-Yr. Perf Data	MAY-2005		E2
A.1.04.01.00.01.01	1L101160	Deliver FY 2005 3rd Qtr. PEM	JUL-2005		E2
A.1.04.01.00.01.01	1L101103	Deliver FY 2005/07 DWP to DOE	SEP-2005		E2
A.1.04.01.00.01.01	1L101248	Deliver Performance Data	NOV-2005		E2
A.1.04.01.00.01.01	1L101251	Deliver Year End PEM Submission	NOV-2005		E2
A.1.04.01.00.01.01	1L101254	Deliver 1st Qtr. PEM	JAN-2006		E2
A.1.04.01.00.01.01	1L101206	Deliver LCBs & BCPs	JAN-2006		E2
A.1.04.01.00.01.01	1L101209	Deliver Fall Budg Update	JAN-2006		E2
A.1.04.01.00.01.01	1L101227	Deliver IPL& Impact Stmt.	FEB-2006		E2
A.1.04.01.00.01.01	1L101215	Deliver PTC Reqmts to DOE-HQ	FEB-2006		E2
A.1.04.01.00.01.01	1L101230	Deliver Outyear IPL to DOE	FEB-2006		E2
A.1.04.01.00.01.01	1L101257	Derliver 2nd Qtr. PEM	APR-2006		E2
A.1.04.01.00.01.01	1L101263	Deliver Mid-Yr. Perf Data	MAY-2006		E2
A.1.04.01.00.01.01	1L101260	Deliver 3rd Qtr. PEM	JUL-2006		E2
A.1.04.01.00.01.01	1L101203	Deliver (3 Years) DWP to DOE	SEP-2006		E2
A.1.04.01.00.01.04	1L104006	Submit Update to Institu l Plan	APR-2004		E2
A.1.04.01.00.01.04	1L104206	Submit Update to Institu l Plan	APR-2005		E2
A.1.04.01.00.01.04	1L104306	Submit Update to Institu l Plan	APR-2006		E2
A.1.04.01.01.04.01	2L040005	SITE-TANK-005 Perform HWD on 50% of the TANKS	SEP-2004	SEP-2004	E1
A.1.04.01.01.04.01	2L040010	SITE-TANK-005 Perform HWD on 75% of the TANKS	SEP-2005	SEP-2005	E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.01.04.01	2L040015	SITE-TANK-005 Perform HWD on 100% of the TANKS	SEP-2006	SEP-2006	E1
A.1.04.01.02.BB.08	3LAB0335	Transmit draft RA report to Agencies	FEB-2022		E1
A.1.04.01.02.BB.08	3LAB0505	Transmit draft RA report to Agencies	FEB-2022		E1
A.1.04.01.03.13.01	4LW11175	FY 2004 Submit December NOx Rpt to DOE-ID	DEC-2003		E1
A.1.04.01.03.13.01	4LW11185	FY 2004 Submit March NOx Rpt to DOE-ID	MAR-2004		E1
A.1.04.01.03.13.01	4LW11195	FY 2004 Submit June NOx Rpt to DOE-ID	JUN-2004		E1
A.1.04.01.03.13.01	4LW11205	FY 2004 Submit September NOx Rpt to DOE-ID	SEP-2004		E1
A.1.04.01.03.13.02	4LW12445	FY 2004 Subpart Dc to DOE-ID	OCT-2003		E3
A.1.04.01.03.13.02	4LW12500	FY 2004 SMC Qtrly PTC Rpt	OCT-2003		E1
A.1.04.01.03.13.02	4LW12440	FY 2004 Subpart Dc Rpt to EPA	NOV-2003		E1
A.1.04.01.03.13.02	4LW12590	FY 2004 TRA Qtrly PTC Rpt	NOV-2003		E1
A.1.04.01.03.13.02	4LW12340	FY 2004 Asbestos Notification to DOE-ID	DEC-2003		E3
A.1.04.01.03.13.02	4LW12350	FY 2004 Asbestos Notification to EPA	DEC-2003		E1
A.1.04.01.03.13.02	4LW12540	FY 2004 Prior CY Annual PTC Rpt DOE-ID	JAN-2004		E1
A.1.04.01.03.13.02	4LW12351	FY 2004 Annual Asbestos Rpt to DOE-ID	JAN-2004		E3
A.1.04.01.03.13.02	4LW12510	FY 2004 SMC Qtrly PTC Rpt	JAN-2004		E1
A.1.04.01.03.13.02	4LW12361	FY 2004 Annual Asbestos Rpt to EPA	JAN-2004		E1
A.1.04.01.03.13.02	4LW12620	FY 2004 TRA Qtrly PTC Rpt	FEB-2004		E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.03.13.02	4LW12325	FY 2004 Toxic Emission Src Rpt to DOE-ID	APR-2004		E1
A.1.04.01.03.13.02	4LW12490	FY 2004 Title V SSCPEI Rpt (for fee)	APR-2004		E1
A.1.04.01.03.13.02	4LW12470	FY 2004 Submit Subpart Dc to DOE-ID	APR-2004		E3
A.1.04.01.03.13.02	4LW12520	FY 2004 SMC Qtrly PTC Rpt	APR-2004		E1
A.1.04.01.03.13.02	4LW12455	FY 2004 Submit Subpart Dc Rpt to EPA	MAY-2004		E1
A.1.04.01.03.13.02	4LW12630	FY 2004 TRA Qtrly PTC Rpt	MAY-2004		E1
A.1.04.01.03.13.02	4LW12466	FY 2004 Annual NESHAP Emission Rpt to DOE-ID	JUN-2004		E1
A.1.04.01.03.13.02	4LW12530	FY 2004 SMC Qtrly PTC Rpt	JUL-2004		E1
A.1.04.01.03.13.02	4LW12336	FY 2004 3yr Cycle Air Emission Rpt to DOE-ID	JUL-2004		E1
A.1.04.01.03.13.02	4LW12420	FY 2004 Genl Duty Clause to DOE-ID	AUG-2004		E3
A.1.04.01.03.13.02	4LW12640	FY 2004 TRA Qtrly PTC Rpt	AUG-2004		E1
A.1.04.01.03.14.01	4LW21495	FY 2004 Ltrs for Oct pH logs to IF	OCT-2003		E1
A.1.04.01.03.14.01	4LW21497	FY 2004 Ltrs for Nov pH logs to IF	NOV-2003		E1
A.1.04.01.03.14.01	4LW21499	FY 2004 Ltrs for Dec pH logs to IF	DEC-2003		E1
A.1.04.01.03.14.01	4LW21521	FY 2004 1st IRC to Idaho Falls	DEC-2003		E1
A.1.04.01.03.14.01	4LW21501	FY 2004 Ltrs for Jan pH logs to IF	JAN-2004		E1
A.1.04.01.03.14.01	4LW21377	FY 2004 WLAP Ann. Site Perf Rpt DOE-ID	FEB-2004		E3
A.1.04.01.03.14.01	4LW21503	FY 2004 Ltrs for Feb pH logs to IF	FEB-2004		E1
A.1.04.01.03.14.01	4LW21379	FY 2004 WLAP Ann. Site Perf Rpt State ID	MAR-2004		E1
A.1.04.01.03.14.01	4LW21505	FY 2004 Ltrs for Mar pH logs to IF	MAR-2004		E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.03.14.01	4LW21507	FY 2004 Ltrs for Apr pH logs to IF	APR-2004		E1
A.1.04.01.03.14.01	4LW21509	FY 2004 Ltrs for May pH logs to IF	MAY-2004		E1
A.1.04.01.03.14.01	4LW21511	FY 2004 Ltrs for Jun pH logs to IF	JUN-2004		E1
A.1.04.01.03.14.01	4LW21531	FY 2004 2nd IRC to Idaho Falls FY 2004	JUN-2004		E1
A.1.04.01.03.14.01	4LW21513	FY 2004 Ltrs for Jul pH logs to IF	JUL-2004		E1
A.1.04.01.03.14.01	4LW21515	FY 2004 Ltrs for Aug pH logs to IF	AUG-2004		E1
A.1.04.01.03.14.01	4LW21517	FY 2004 Ltrs for Sep pH logs to IF	SEP-2004		E1
A.1.04.01.03.14.01	4LW21371	FY 2004 DOE 5400.5 BAT Rpt. to DOE-ID	SEP-2004		E3
A.1.04.01.03.14.02	4LW22210	FY 2004 Annual Fee Assessment to State	OCT-2003		E1
A.1.04.01.03.14.02	4LW22238	Oct-Submit Bac-t Rpt to DEQ FY 2004	OCT-2003		E1
A.1.04.01.03.14.02	4LW22240	Nov-Submit Bact Rpt to DEQ FY 2004	NOV-2003		E1
A.1.04.01.03.14.02	4LW22242	Dec-Submit Bac-t Rpt to DEQ FY 2004	DEC-2003		E1
A.1.04.01.03.14.02	4LW22244	Jan-Submit Bac-t Rpt to DEQ FY 2004	JAN-2004		E1
A.1.04.01.03.14.02	4LW22246	Feb-Submit Bac-t Rpt to DEQ FY 2004	FEB-2004		E1
A.1.04.01.03.14.02	4LW22248	Mar-Submit Bac-t Rpt to DEQ FY 2004	MAR-2004		E1
A.1.04.01.03.14.02	4LW22406	FY 2004 Source Wtr Assessments to DOE-ID	APR-2004		E1
A.1.04.01.03.14.02	4LW22250	Apr-Submit Bac-t Rpt to DEQ FY 2004	APR-2004		E1
A.1.04.01.03.14.02	4LW22252	May-Submit Bac-t Rpt to DEQ FY 2004	MAY-2004		E1
A.1.04.01.03.14.02	4LW22254	Jun-Submit Bac-t Rpt to DEQ FY 2004	JUN-2004		E1
A.1.04.01.03.14.02	4LW22256	Jul-Submit Bac-t Rpt to DEQ FY 2004	JUL-2004		E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.03.14.02	4LW22258	Aug-Submit Bac-t Rpt to DEQ FY 2004	AUG-2004		E1
A.1.04.01.03.14.02	4LW22260	Sep-Submit Bac-t Rpt to DEQ FY 2004	SEP-2004		E1
A.1.04.01.03.14.03	4LW23567	FY 2004 SW Coal Pile MR to EPA	OCT-2003		E1
A.1.04.01.03.14.03	4LW23220	Oct Inspection of Construction Sites FY 2004	NOV-2003		E3
A.1.04.01.03.14.03	4LW23230	Nov Inspection of Construction Sites FY 2004	DEC-2003		E3
A.1.04.01.03.14.03	4LW23235	Dec Inspection of Construction Sites FY 2004	JAN-2004		E3
A.1.04.01.03.14.03	4LW23245	Jan Inspection of Construction Sites FY 2004	FEB-2004		E3
A.1.04.01.03.14.03	4LW23250	Feb Inspection of Construction Sites FY 2004	MAR-2004		E3
A.1.04.01.03.14.03	4LW23270	Mar Inspection of Construction Sites FY 2004	APR-2004		E3
A.1.04.01.03.14.03	4LW23280	Apr Inspection of Construction Sites FY 2004	MAY-2004		E3
A.1.04.01.03.14.03	4LW23290	Issue Status Report E4 Milestone FY 2004	MAY-2004		E4
A.1.04.01.03.14.03	4LW23295	May Inspection of Construction Sites FY 2004	JUN-2004		E3
A.1.04.01.03.14.03	4LW23315	Jun Inspection of Construction Sites FY 2004	JUL-2004		E3
A.1.04.01.03.14.03	4LW23325	Jul Inspection of Construction Sites FY 2004	AUG-2004		E3
A.1.04.01.03.14.03	4LW23355	Annual Reveg Assessment to DOE-ID	AUG-2004		E3
A.1.04.01.03.14.03	4LW23330	Transmit Annual SPCC FY 2004	AUG-2004		E3
A.1.04.01.03.14.03	4LW23204	FY 2004 SW Coal Pile DMR to DOE-ID	SEP-2004		E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.03.14.03	4LX23202	FY 2005 SW Coal Pile DMR to DOE-ID	SEP-2004		E1
A.1.04.01.03.14.03	4LW23345	Transmit SWPPP Eval. & Rev. FY 2004	SEP-2004		E1
A.1.04.01.03.14.03	4LW23335	Aug Inspection of Construction Sites FY 2004	SEP-2004		E3
A.1.04.01.03.14.03	4LW23241	Revise SWPPP-IA Training FY 2004	SEP-2004		E4
A.1.04.01.03.14.03	4LX23206	FY 2005 SW DMR to DOE-ID	DEC-2004		E1
A.1.04.01.03.14.03	4LX23203	FY 2005 SW DMR to EPA	JAN-2005		E1
A.1.04.01.03.14.04	4LW24260	FY 2004 Ship GW Samples 1st Round	OCT-2003		E1
A.1.04.01.03.14.04	4LW24659	FY 2004 Well Drilling Permits	JAN-2004		E1
A.1.04.01.03.14.04	4LW24686	FY 2004 Submit Release Limits Doc to DOE-ID	APR-2004		E3
A.1.04.01.03.14.04	4LW24261	FY 2004 Ship GW Samples 2nd Round	APR-2004		E1
A.1.04.01.03.14.04	4LW24231	Comp Well Inv/Annual Wtr Use Rpt to DOE-ID	MAY-2004		E1
A.1.04.01.03.14.04	4LW24241	Comp Well Inv/Annual Wtr Use Rpt to IDWR	JUN-2004		E3
A.1.04.01.03.14.04	4LW24665	FY 2004 Shallow Injection Well Rpt to IDWR	AUG-2004		E1
A.1.04.01.03.14.04	4LW24675	FY 2004 GW Mon Plan to DOE-ID	SEP-2004		E3
A.1.04.01.03.15.01	4LW31456	FY 2004 Submit Rad Survey Letter	JAN-2004		E3
A.1.04.01.03.16.01	4LW41255	Submit 4th Qtr. FY 2003 EPCRA 311 Report	DEC-2003		E1
A.1.04.01.03.16.01	4LY41425	IDG Report to EPA	JAN-2004		E1
A.1.04.01.03.16.01	4LW41295	Submit Annual EPCRA 312 Report FY 2004	FEB-2004		E1

WBS Element	Milestone Number	Description	Planned Date	Enforceable Date	Level
A.1.04.01.03.16.01	4LW41210	FY 2004 1st Rev RCRA Vol 1Sec A to DOE-ID	MAR-2004		E1
A.1.04.01.03.16.01	4LW41360	FY 2004 RCRA Part A Summary 1st Rev DOE-ID	MAR-2004		E1
A.1.04.01.03.16.01	4LW41265	Submit 1st Qtr. FY 2004 EPCRA 311 Report	MAR-2004		E1
A.1.04.01.03.16.01	4LW41335	FY 2004 1st rev. RCRA Annual Work Plan to DOE-ID	APR-2004		E3
A.1.04.01.03.16.01	4LW41270	FY 2004 Submit Draft Env Mon Pln to DOE-ID	APR-2004		E3
A.1.04.01.03.16.01	4LW41305	FY 2004 Annual EPCRA 313 Rpt to DOE-ID	MAY-2004		E1
A.1.04.01.03.16.01	4LW41325	FY 2004 TSCA Annual Doc Log/Inventory to DOE-ID	JUN-2004		E1
A.1.04.01.03.16.01	4LW41395	FY 2004 TSCA Radioactive Waste Inventory to DOE-ID	JUN-2004		E1
A.1.04.01.03.16.01	4LW41275	FY 2004 EPCRA 311 Rpt to DOE-ID	JUN-2004		E1
A.1.04.01.03.16.01	4LW41240	FY 2004 RCRA Part B Vol 3 to DOE-ID	JUN-2004		E1
A.1.04.01.03.16.01	4LW41370	FY 2004 2nd Rev RCRA Part A Summary to DOE-ID	SEP-2004		E1
A.1.04.01.03.16.01	4LW41280	FY 2004 Submit Final Env Mon Pln to DOE-ID	SEP-2004		E3
A.1.04.01.03.16.01	4LW41285	Submit 3rd Qtr. FY 2004 EPCRA 311 Report	SEP-2004		E1
A.1.04.01.03.16.01	4LW41340	FY 2004 2nd Rev. RCRA Annual Work Plan to DOE-ID	SEP-2004		E3
A.1.04.01.03.16.01	4LW41385	Submt Annual INEEL Pesticide List to DOE-ID FY 2004	SEP-2004		E3

FY 2003-2035
Corporate Performance Measures by HQ PBS and BBWI WBS (first draft)

INEEL PBS	New PBS Field Code	Measure/Units	FY 2003 1Q	FY 2003 2Q	FY 2003 3Q	FY 2003 4Q	FY 2003 Total	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009-2012	FY 2012-2035	Life-cycle FY 2003-2035 Total
RWMC	ID-INEEL-0013	LLW and MLLW disposed (cubic meters)	1025	1075	1025	1325	4450	8540	5240	5665	5145	5185	20720	0	54945
RWMC	ID-INEEL-0030C	LLW and MLLW disposed (cubic meters)	0	0	0	0	0	0	0	0	0	0	0	21120	21120

Eliminate MLLW Backlog/Environmental Services

Breakout by Subproject

WBS[4]	WBS[5]		Sep-04	Sep-05	Sep-06	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition																			
BURDENED BASE																			
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition	BCWS	23,691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Results... Totals:		BCWS	23,691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATE																			
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition	BCWS	606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Results... Totals:		BCWS	606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUMMARY (Base + Escalation)																			
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition	BCWS	24,297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Results... Totals:		BCWS	24,297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WBS[4] Totals:		BCWS	24,297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A.1.04.01.03 CC-SP4 Environmental Services																			
BURDENED BASE																			
	A.1.04.01.03 CC-SP4 Evironmental Services	BCWS	19,505	26,706	31,551	31,222	30,402	29,445	26,409	24,802	24,432	6,087	6,195	6,138	6,147	6,086	6,069	6,077	6,088
Results... Totals:		BCWS	19,505	26,706	31,551	31,222	30,402	29,445	26,409	24,802	24,432	6,087	6,195	6,138	6,147	6,086	6,069	6,077	6,088
ESCALATE																			
	A.1.04.01.03 CC-SP4 Evironmental Services	BCWS	616	1,426	2,365	3,217	3,963	4,302	4,462	4,841	5,403	1,688	1,903	2,081	2,285	2,465	2,667	2,885	3,109
Results... Totals:		BCWS	616	1,426	2,365	3,217	3,963	4,302	4,462	4,841	5,403	1,688	1,903	2,081	2,285	2,465	2,667	2,885	3,109
SUMMARY (Base + Escalation)																			
	A.1.04.01.03 CC-SP4 Evironmental Services	BCWS	20,121	28,132	33,916	34,439	34,365	33,747	30,871	29,644	29,835	7,775	8,098	8,219	8,432	8,551	8,736	8,962	9,197
Results... Totals:		BCWS	20,121	28,132	33,916	34,439	34,365	33,747	30,871	29,644	29,835	7,775	8,098	8,219	8,432	8,551	8,736	8,962	9,197
WBS[4] Totals:		BCWS	20,121	28,132	33,916	34,439	34,365	33,747	30,871	29,644	29,835	7,775	8,098	8,219	8,432	8,551	8,736	8,962	9,197

WBS[4]	WBS[5]		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	Cumulative
A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition																		
BURDENED BASE																		
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23,691
Results... Totals:		BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23,691
ESCALATE																		
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	606
Results... Totals:		BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	606
SUMMARY (Base + Escalation)																		
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,297
Results... Totals:		BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,297
WBS[4] Totals:		BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,297
A.1.04.01.03 CC-SP4 Environmental Services																		
BURDENED BASE																		
	A.1.04.01.03 CC-SP4 Evironmental Services	BCWS	5,944	5,921	5,859	5,864	5,849	5,692	5,672	5,669	5,581	5,582	5,565	5,559	5,531	5,469	5,443	378,559
Results... Totals:		BCWS	5,944	5,921	5,859	5,864	5,849	5,692	5,672	5,669	5,581	5,582	5,565	5,559	5,531	5,469	5,443	378,559
ESCALATE																		
	A.1.04.01.03 CC-SP4 Evironmental Services	BCWS	3,270	3,488	3,682	3,923	4,156	4,312	4,551	4,813	5,005	5,279	5,538	5,826	6,099	6,327	6,585	122,532
Results... Totals:		BCWS	3,270	3,488	3,682	3,923	4,156	4,312	4,551	4,813	5,005	5,279	5,538	5,826	6,099	6,327	6,585	122,532
SUMMARY (Base + Escalation)																		
	A.1.04.01.03 CC-SP4 Evironmental Services	BCWS	9,213	9,409	9,541	9,787	10,004	10,005	10,223	10,482	10,586	10,861	11,104	11,386	11,630	11,795	12,028	501,091
Results... Totals:		BCWS	9,213	9,409	9,541	9,787	10,004	10,005	10,223	10,482	10,586	10,861	11,104	11,386	11,630	11,795	12,028	501,091
WBS[4] Totals:		BCWS	9,213	9,409	9,541	9,787	10,004	10,005	10,223	10,482	10,586	10,861	11,104	11,386	11,630	11,795	12,028	501,091

SUBPROJECT PLAN
Life-Cycle FY 2004

WBS: A.1.04.00.01
Title: MLLW Backlog Disposition

PROJ Mgr:	**Kevin Kooda**	**Planning & Controls:**	**Jason Chapple**
DOE-ID:	**Jeffrey T Shadley**	**ES&H Field Manager:**	**Richard Jansen**
PBS Manager:	**Jeffrey Mousseau**	**Other:**	

1. WORK DESCRIPTION:

Mixed Low-Level Waste Backlog Project Management Approach

The Mixed Low-Level Waste (MLLW) Backlog Disposition subproject will be accomplished through the efficient use of off-site commercial treatment/disposal facilities and alternate DOE facilities. Contractual agreements with one or more commercial vendor(s) will be established to expedite waste disposition. The waste characterization and verification work will be performed at the Idaho National Engineering and Environmental Laboratory (INEEL) prior to shipment to ensure the waste meets the off-site vendor's acceptance criteria. The accelerated schedule will significantly exceed current Site Treatment Plan commitments. Through the accelerated schedule, INEEL mixed waste storage facilities will be emptied, cleaned and closed earlier than originally planned leaving only one permitted MLLW/hazardous waste storage facility open at the INEEL to serve minimal storage needs past FY 2004.

Scope to be performed (FY 2004)

This subproject consists of six (6) control accounts (CAs) that are necessary to disposition the inventory of backlog MLLW and low-level waste (LLW) currently in permitted storage at the INEEL. These CAs include:

A.1.04.00.01.01 - Commercial Treatment and Disposal

The MLLW Commercial Treatment and Disposal CA is required to oversee and conduct the following activities:

- Provide off-site treatment and disposal of Legacy (i.e., backlog) MLLW currently in permitted storage at the INEEL. The intent is to establish a single point of contact for off-site waste treatment and contract administration for INEEL Legacy MLLW waste.
- Support closure of CPP-1617 by treating and disposing the inventory of Legacy MLLW currently in storage at the facility.

This work scope is required to maintain MLLW treatment projections, establish MLLW treatment/disposal contracts, evaluate and revise existing MLLW material profiles, prepare vendor MLLW profile documentation, prepare shipping documentation, manage subcontract costs, and ship MLLW off-site for treatment and disposal.

A.1.04.00.01.02 - MLLW Characterization

This CA provides for the final characterization, visual verification, and repackaging (if necessary), of the Backlog Inventory of MLLW presently stored CPP-1617.

Additional characterization may be required to determine if the MLLW backlog meets the Waste Acceptance Criteria of treatment and disposal subcontractors. This characterization will be performed via chemical and/or radiological analysis, visual inspection, gamma spectroscopy, process knowledge or any combination of the above. In addition to characterization, intrusive verification is required on virtually 100% of the waste containers identified in the INEEL MLLW backlog inventory prior to its being shipped off-site for treatment and disposal.

Each container of MLLW requires an assessment to ensure its packaging meets proper Department of Transportation shipping requirements. Repackaging or over packing may be required in some cases.

A.1.04.00.01.04 - MLLW Storage/Maintenance of CPP-1617

The MLLW Stored - Ops CA operates and maintains CPP-1617 in a manner that ensures permitted and compliant storage of MLLW generated at the INEEL. CPP-1617 is required to store MLLW until it can be shipped for treatment and disposal at an off-site commercial facility. Current plans are to remove all MLLW

from CPP-1617 by the conclusion of FY 2004. CPP-1619 will be developed as the single MLLW facility supporting INEEL needs from FY 2005 through FY 2035.

This CA consists of numerous tasks performed to ensure compliance with Resource Conservation and Recovery Act (RCRA), State of Idaho, and other applicable facility requirements. Generally, this CA facilitates the collection and storage of MLLW and Toxic Substance Control Act-regulated waste from INEEL on-site facilities. It provides for facility surveillance and monitoring activities, maintenance of the facility, operating documentation, inspections, and records for storage of MLLW tracked by the INEEL Integrated Waste Tracking System. Waste is prepared for shipment/relocation to off-site treatment and disposal facilities. General items such as work package preparation, training requirements for RCRA, Occupational Safety, and Health Act , Department of Transportation, etc., preparation and review of operational requirements documents such as Operating Procedures, RCRA permits and modifications, and safety analysis reports are included.

A.1.04.00.01.05 - LLW Backlog Disposition

The Liquid LLW Disposition CA is required to:

- Prepare and ship 4,950 gallons of liquid LLW to commercial vendor for processing in FY 2004. This volume assumes three separate shipping campaigns containing thirty 55-gallon drums per campaign. After FY 2004, the individual generators will fund this activity.
- Provide project management required to coordinate liquid LLW shipments from the INEEL to the commercial facilities.
- Provide project management required to coordinate the residual waste (from processing) from the commercial facilities back to the INEEL for disposal.
- Provide craft, packaging and transportation, and environmental support personnel necessary to accomplish commercial LLW shipments.
- Disposition 100% of LLW containers exceeding one year in storage as defined in the current LLW Exceeding One Year in Storage Disposition Plan (updated each May). This activity will only occur in FY 2004. After FY 2004, no legacy LLW containers will exist in inventory.
- Update the LLW Exceeding One Year in Storage Disposition Plan - May 2004.
- Prepare monthly Integrated Processing System status reports.

A.1.04.00.01.06 - Project Management

The objective of Waste Generator Services is to manage containerized waste at the INEEL, from the point of generation through final disposition at a treatment, storage, and/or disposal facility. This CA supports project management activities for A.1.04.00.01, CLN-SP1 MLLW Backlog Disposition.

This work scope supports all other work breakdown structure (WBS) work elements under A.1.04.00.01.

A.1.04.00.01.07 - MLLW Onsite Treatment

The Decontamination Facility portion of the New Waste Calcine Facility (CPP-659) is a RCRA Part B Permitted (Volume 18 of INEEL permit) facility for debris treatment of MLLW. In addition, the facility has the capability to treat wastes by leaching spent high-efficiency particulate air filters and to perform equipment decontamination. This CA includes all the activities required to maintain the facility, perform treatment, perform equipment decontamination, and support filter leaching by performing an engineering study, basket fabrication, and purchasing a new filter drying unit.

2. MAJOR PRODUCTS AND DELIVERABLES:

A.1.04.00.01.01 - Commercial Treatment and Disposal

- Ship off-site for treatment and disposal the remaining inventory of backlog MLLW (approximately 1,443 m^3) for a total backlog project goal of 2,250 m^3 by September 30, 2004.

- Final report on the MLLW Backlog Project detailing the MLLW that remains in storage at the INEEL after the backlog elimination efforts due to conditions such as: a) Unavailability of a DOE provided treatment/disposal facility, b) Unavailability of a commercial sector treatment/disposal facility, c) Cost prohibitive treatment options. These conditions are key assumptions in the Performance Based Incentives dated January 27, 2003.

A.1.04.00.01.02 - MLLW Characterization

- Remove and ship all MLLW from CPP-1617 off-site for treatment and disposal. This is a shared milestone. A.1.04.00.01.01 (Commercial Treatment and Disposal) provides for transportation and disposal costs associated with the waste removal portion while this CA provides for characterization, verification, and reconfiguration (repackaging) of all MLLW from CPP-1617 by September 30, 2004.
- Characterize and visually verify the remaining inventory of backlog MLLW (approximately 475 m^3) prior to shipment for treatment and disposal.

A.1.04.00.01.04 - MLLW Storage/Maintenance of CPP-1617

Remove all MLLW from storage at CPP -1617 by September 30, 2004.

A.1.04.00.01.05 - LLW Backlog Disposition

- Ship 4,950 gallons of liquid LLW to commercial vendor for processing – September 30, 2004.
- Disposition 100% of the all LLW exceeding one year in storage as defined in the LLW Exceeding One Year in Storage Disposition Plan – September 30, 2004.

A.1.04.00.01.06 - Project Management

None.

A.1.04.00.01.07 - MLLW Onsite Treatment

- Complete procurement of second dryer to support filter leaching operations by September 30, 2004.
- Complete preparation and approval of installation package for second dryer by September 30, 2004.
- Perform an engineering evaluation on CPP-666 to define the scope and budget required to facilitate the retrieval of fluorinel dissolution process filters by September 30, 2004.
- Fabricate 100 filter boxes by September 30, 2004.
- Complete Decontamination Facility transfer to Clean/Close Idaho Nuclear Technology and Engineering Center at the end of September FY 2004.

3. ESTIMATE DEVELOPMENT BASIS:

Cost estimates for the CLN-SP1 MLLW Backlog Disposition subproject activities are based on the most appropriate means available, with first consideration given to a bottoms-up methodology, using process knowledge and/or historical data from FY 2001 and FY 2002 to arrive at a unit cost.

Other cost estimate development methodologies were used, including:

- Professional experience and judgment of Subject Matter Experts, e.g., process engineers, technicians, managers, and outside consultants, where applicable, was used to determine appropriate resources for performing new work scope activities for which no historical data was available
- Recorded hours expended for similar work activities to accomplish similar scope performed in FY 2002/2003. In most cases, adjustments were made–up or down, as necessary–to reflect changes in operating conditions, scope of work, lessons learned, or other factors currently existing or projected going forward

- Engineering estimates were developed for facility and system modifications utilizing standard engineering and construction methods of estimating costs from drawings and specifications
- Other sources of reliable cost data were used, i.e., vendor quotes and estimates, FY 2002/2003 baseline cost estimates, and FY 2002/2003 estimates at completion.

Detailed cost estimates are provided in the individual planning packages for the various CAs.

Contingency Guideline Implementation:

The contingency for each CA in the CLN-SP1 MLLW Backlog Disposition subproject was developed per the Life Cycle Baseline (LCB) Contingency Guidance. The project team reviewed and discussed issues and concerns, as documented in the LCB Contingency Analysis Questionnaire, and assigned appropriate contingency values. Based on the details within the scope of work, and the assumptions identified with that scope of work, along with the contingency dollars incorporated, the project team considers the contingency reasonable based on the current environment for this CA.

The contingency analysis for this project has been performed for each CA within the project and is available with each CA plan located in the backup project file documentation.

4. ASSUMPTIONS:

A.1.04.00.01.01 - Commercial Treatment and Disposal

A. The INEEL Site Treatment Plan disposition paths do not change as of the February 2000 revision. Waste stream estimates identified in IWTS are also correct.

B. Private sector facilities are available to treat all INEEL-generated MLLW.

C. The FY 2003 Detailed Work Plan (DWP) for the MLLW Treated– Waste Generator Services' CA has approved scope to ship 350 m^3 of backlog MLLW for treatment and disposal. The LCB anticipates the approval of a baseline change proposal to the CA, which will increase the volume of MLLW to be shipped off-site for treatment and disposal in FY 2003 from 350 m^3 to 455 m^3.

D. Approximately 1,443 m^3 of MLLW will be available in FY 2004 to ship off-site for treatment and disposal.

E. Approximately 30 m^3 (of the 1,443 m^3) of Legacy MLLW will have no identified off-site treatment and/or disposal path at the end of FY 2004.

F. Backlog MLLW identified in Integrated Waste Tracking System only is considered for treatment.

G. Treatment costs assumed to be: $90.00 per gallon for liquid MLLW, e.g., flammable, Polychlorinated Biphenyls/Toxic Substance Control Act, $232.00 per ft^3 for MLLW requiring Stabilization, $139.10 per ft^3 for MLLW requiring Macro encapsulation, $90.00 per gallon for MLLW requiring thermal treatment, and $1,000.00 per ft^3 for mercury (Hg) amalgamation/ stabilization.

H. Treatment and Disposal contracts will be available and cost effective.

I. Existing treatment facilities and capabilities must remain available or alternatives must be identified.

A.1.04.00.01.02 - MLLW Characterization

A. Inventory of MLLW currently in storage at numerous facilities at the INEEL can be consolidated into the CPP-1617 MLLW storage facility by the conclusion of FY 2004. This assumption is based on the successfull completion of removal of following:

   - waste in the Mixed Waste Storage Facility (MWSF) will occur by the conclusion of FY 2002.
   - waste in the Waste Experimental Reduction Facility Waste Storage Building (WWSB) and the portable storage units (PSUs) will occur by the conclusion of FY 2003.
   - waste in CPP-1617 will occur by the conclusion of FY 2004.

B. CPP-1619 will be developed as that single MLLW facility supporting INEEL needs from FY 2007 through FY 2035. Accordingly, the work scope associated with operating CPP-1619 from FY 2007

through FY 2035 as the INEEL's single MLLW storage facility is not addressed in this CA. Although CPP-1619 is intended to provide for all MLLW storage, space is limited in that facility. It is probable that additional storage space in the form of another facility, fenced or controlled area may be required in addition to or in lieu of CPP-1619.

C. The cost associated with the development of a RCRA Closure Plans and initiation of closure activities for the WWSB, MWSF, MWSF Repack Booth, PSUs, and CPP-1617are not within the scope of this subproject.

D. Adequate treatment paths are available for the MLLW backlog excluding the 30 m^3 of Legacy MLLW that will have no identified off-site treatment and/or disposal path at the end of FY 2004.

E. Adequate funding will be available for characterization and visual verification of the MLLW Backlog inventory.

F. CPP-1617 MLLW inventory is primarily solid waste (non-liquid) in the form of debris, steel, personal protective equipment, etc.

A.1.04.00.01.04 - MLLW Storage/Maintenance of CPP-1617

A. Validated FY 2003 DWP, including the backup supporting documentation, forms the approved basis for the LCB and negates the need for further rigorous review. Any changes/adjustments that require further analysis are associated with this LCB.

B. Inventory of MLLW currently in storage at numerous facilities at the INEEL can be consolidated into a single INEEL MLLW storage facility by the conclusion of FY 2004. This assumption is based on the following events being successfully completed as noted below. Any acceleration or slip in any of these dates will impact the basis of estimate.

- Removal of the waste in the WWSB and the PSUs will occur by the conclusion of FY 2003.
- Removal of the waste in CPP-1617 will occur by the conclusion of FY 2004.

C. CPP-1619 will be developed as that single MLLW facility supporting INEEL needs from FY 2005 through FY 2035. Accordingly, the work scope associated with operating CPP-1619 from FY 2005 through FY 2035 as the INEEL's single MLLW storage facility is not addressed in this CA.

D. Although CPP-1619 is intended to provide for all MLLW storage, space is limited in that facility. It is probable that additional storage space in the form of another facility, fenced or controlled area may be required in addition to or in lieu of CPP-1617.

E. Both preventive and corrective maintenance work scope associated with the operation of CPP-1617 will be executed via this CA.

A.1.04.00.01.05 - LLW Backlog Disposition

A. 4,950 gallons of containerized liquid LLW will be generated and available for commercial processing.

B. The projected volume is based on outside container volumes.

C. Duratek will continue accepting and processing liquid LLW from the INEEL.

D. The state of Idaho, Environmental Protection Agency, or DOE-ID will issue no additional regulations.

A.1.04.00.01.06 - Project Management

Validated FY 2003 DWP, including the backup supporting documentation, forms the approved basis for the LCB and negates the need for further rigorous review. No changes/adjustments that require further analysis are associated with this LCB.

A.1.04.00.01.07 - MLLW Onsite Treatment

A. Receive approval from the Idaho Department of Environmental Quality for postponement of filter leaching.

B. Continue to work the MLLW Sorting and Segregation four-day/week 24-hours/day production schedule

C. Maintain production rate of 3.5 boxes per week.

D. Complete all required in-cell maintenance work with no major equipment failures.

E. 140 boxes required throughput to meet the Performance Based Incentive goal. After sorting and segregating the 140 boxes, assume a volume equivalent to 20 boxes remain to be debris treated.

F. Decontamination cell will be available for backlog reduction work eleven months in FY 2004 and the four-day/week 24-hours/day production schedule is maintained.

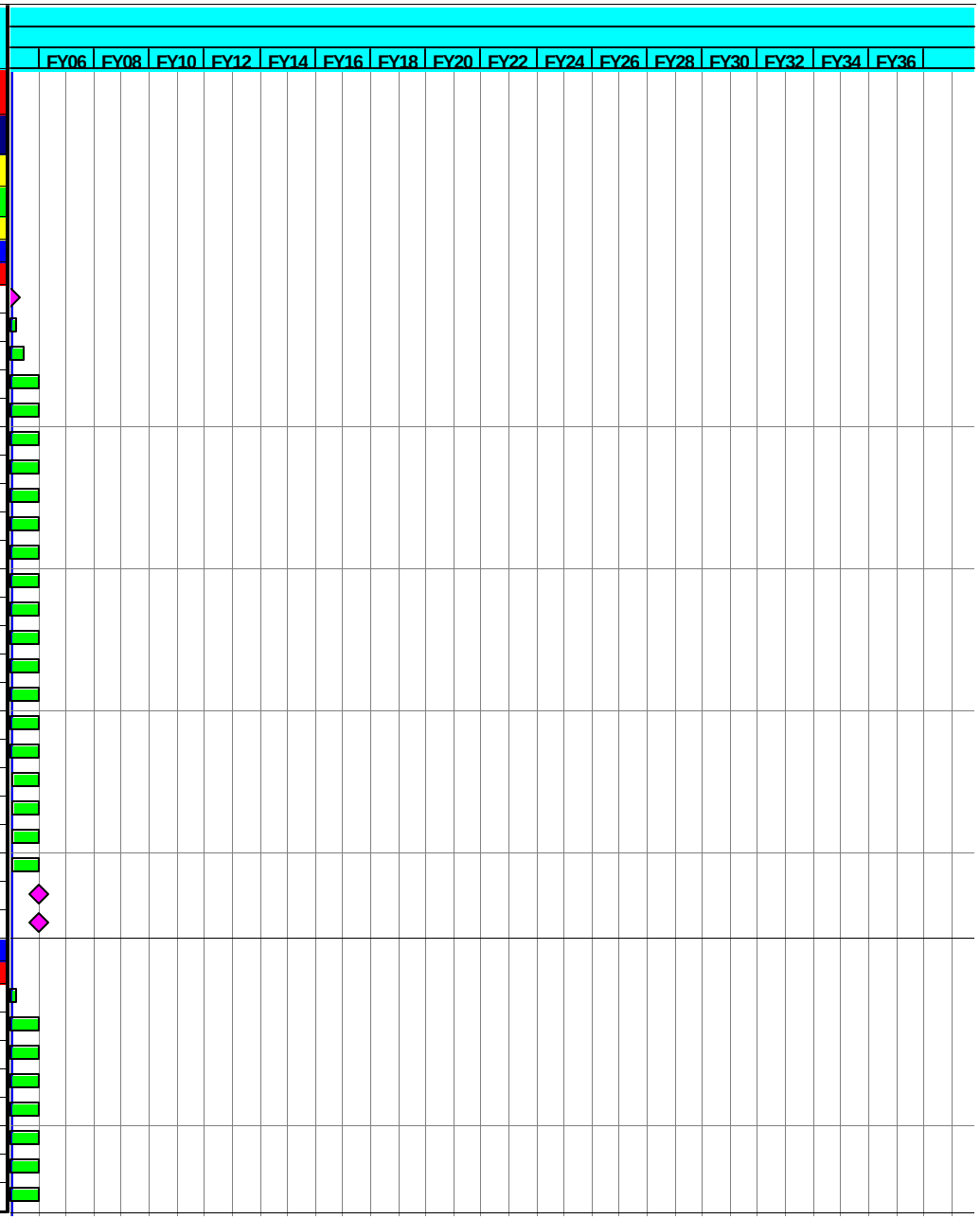
G. Remaining 35 boxes will be sorted and segregated the first 10 weeks of FY 2004 prior to annual four-week maintenance shut down.

H. The scope of this planning package will end in FY 2004. In FY 2005, the responsibility for continued debris treatment, equipment decontamination, and facility maintenance and support services will be transferred to Clean/Close Idaho Nuclear Technology and Engineering Center. Transfer scope for high-efficiency particulate air Filter Leach to WBS element A.1.04.01.03.20.

5. SCIENCE AND TECHNOLOGY NEEDS

Science And Technology Need Number	Science And Technology Need Description
None identified	

Activity ID	Activity Description	Early Start	Early Finish
INEEL			
EM Project			
Remaining INEEL Completion			
Remaining INEEL Completion PBS D Cleanup			
CLN-SP1 MLLW Backlog Disposition			
Commercial Treatment & Disposal			
Commercial Treatment & Disposal			
CLCLBEG4	Begin FY04	01OCT03	
CLCL1095	Relocate PER-641 to INTEC	01OCT03	24DEC03
CLCL1005	Eval Data/Prepare Vendor Profile (950m3)	01OCT03	31MAR04
CLCL1010	Review and Investigate Profiles (950m3)	01OCT03	30SEP04
CLCL1035	Prepare Shipping Docs (1000m3)	01OCT03	30SEP04
CLCL1040	Load and Ship (1000m3)	01OCT03	30SEP04
CLCL1045	Treatment and Disposal (1000m3)	01OCT03	30SEP04
CLCL1050	Project Management	01OCT03	30SEP04
CLCL1055	MLLW Accountant	01OCT03	30SEP04
CLCL1060	IWTS Support Data Entry	01OCT03	30SEP04
CLCL1065	Project Engineers	01OCT03	30SEP04
CLCL1070	Training and Development	01OCT03	30SEP04
CLCL1075	Contract Administration	01OCT03	30SEP04
CLCL1080	Project Related Business Travel	01OCT03	30SEP04
CLCL1085	Project Scheduling	01OCT03	30SEP04
CLCL1105	Commercial T&D Contingency	01OCT03	30SEP04
CLCL1115	Negative Contingency Adjustment	01OCT03	30SEP04
CLCL1015	Identify Sample Req (950m3)	15OCT03	30SEP04
CLCL1020	Prepare Shipping Docs (950m3)	15OCT03	30SEP04
CLCL1025	Load and Ship (950m3)	15OCT03	30SEP04
CLCL1030	Treatment and Disposal (950m3)	15OCT03	30SEP04
CLCL1046	Complete Disposition of 1900m3 Legacy MLLW		30SEP04*
CLCL1056	Complete Disposition of 2250m3 Legacy MLLW		30SEP04*
MLLW Characterization			
MLLW Characterization			
CLCL2005	Perform Sampling and Analysis (950m3)	01OCT03	24DEC03
CLCL2010	Perform Gamma Spec (950m3)	01OCT03	30SEP04
CLCL2015	Prepare and Approve SAP (950m3)	01OCT03	30SEP04
CLCL2020	Project Management	01OCT03	30SEP04
CLCL2025	Project Engineers	01OCT03	30SEP04
CLCL2030	Training and Development	01OCT03	30SEP04
CLCL2035	Contract Administration	01OCT03	30SEP04
CLCL2040	Project Related Business Travel	01OCT03	30SEP04



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:46

Early Bar
Progress Bar
Critical Activity

CJC2

Sheet 1 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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Idaho National Engineering and Environmental Laboratory

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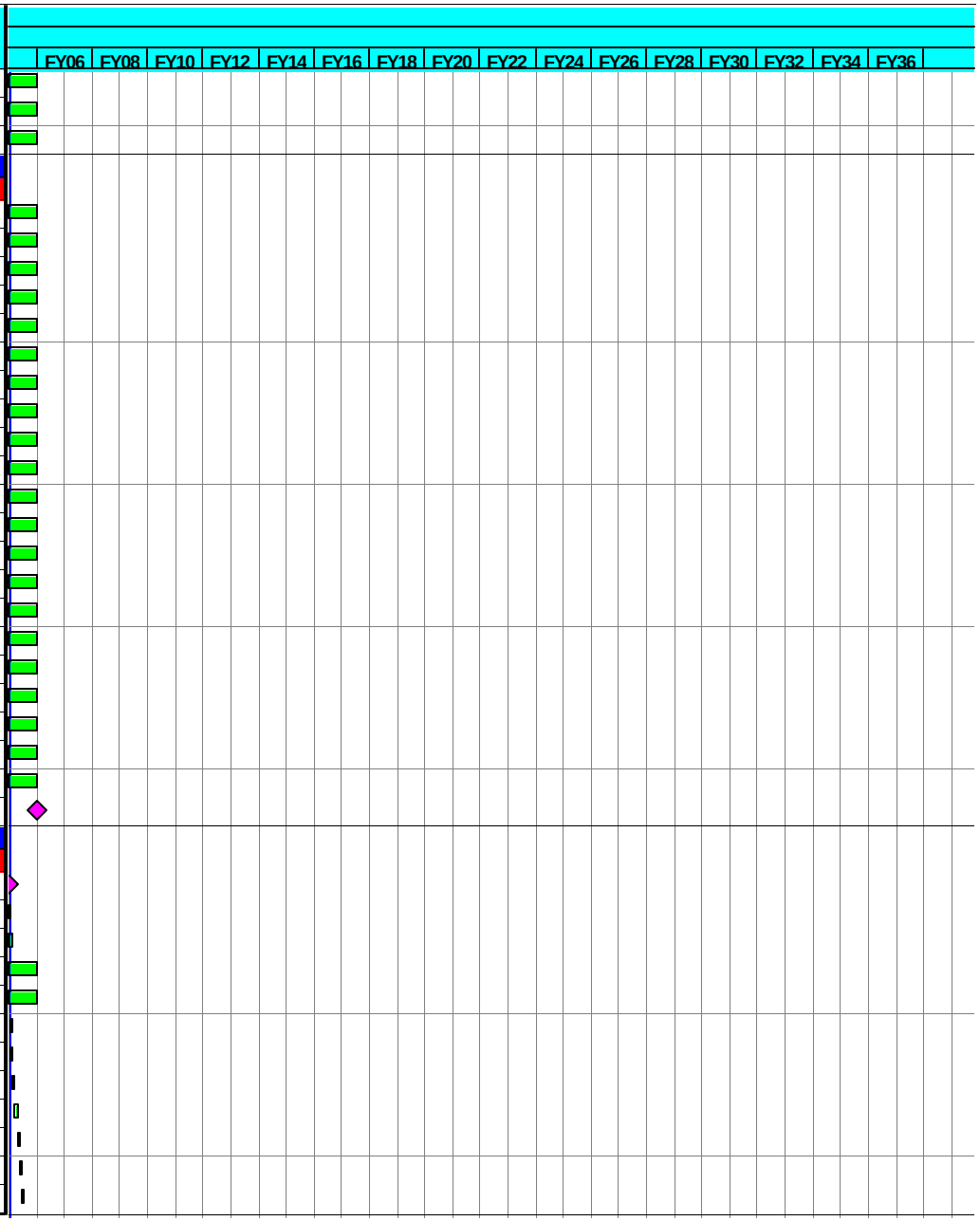
Activity ID	Activity Description	Early Start	Early Finish
CLCL2045	Project Scheduling	01OCT03	30SEP04
CLCL2055	Characterization Project Contigency	01OCT03	30SEP04
CLCL2065	Negative FY04 Contingency Adjustment	01OCT03	30SEP04
MLLW Storage/Maintenance - CPP 1617			
MLLW Storage/Maintenance - CPP 1617			
CLCL4030	Provide Supv/Oversight - 1617 -OPS	01OCT03	30SEP04
CLCL4035	Perform Day-To-Day Operations -OPS	01OCT03	30SEP04
CLCL4040	Maint RCRA Compliance/Cond Inspcts	01OCT03	30SEP04
CLCL4045	Refurbish Boxes/Miscellaneous Packaging	01OCT03	30SEP04
CLCL4050	Procure Matl/Equipt/Supplies/Consumables	01OCT03	30SEP04
CLCL4055	Provide BOP Engineering Support	01OCT03	30SEP04
CLCL4060	Prepare/Revise Engineering Drawings	01OCT03	30SEP04
CLCL4065	Provide Supervision / Oversight	01OCT03	30SEP04
CLCL4067	Maintain CPP1617 and 1619 SAR	01OCT03	30SEP04
CLCL4075	Perf Day-to-Day Compliance Support	01OCT03	30SEP04
CLCL4080	Perf self assess/correct actions/issue	01OCT03	30SEP04
CLCL4085	Provide Radiological Engineering Support	01OCT03	30SEP04
CLCL4090	Provide Industrial Hygiene Support	01OCT03	30SEP04
CLCL4095	Provide Quality Control Support	01OCT03	30SEP04
CLCL4100	Prov Industrial Safety/Fire Protect Suppor	01OCT03	30SEP04
CLCL4105	Provide ES&H Supervision/Oversight	01OCT03	30SEP04
CLCL4110	Maintain Document Control	01OCT03	30SEP04
CLCL4140	Manage Control Account Work Packages	01OCT03	30SEP04
CLCL4150	Maintenance of CPP-1617	01OCT03	30SEP04
CLCL4170	CPP-1617 Project Contingency	01OCT03	30SEP04
CLCL4180	Negative FY04 Contingency Adjustment	01OCT03	30SEP04
CLCL4160	Handoff CPP-1617 to INTEC for RCRA Closure		30SEP04*
LLW Backlog Disposition			
Disposition of LLW Exceeding One Year			
CLLBEG04	Begin LLW FY04 Scope	01OCT03	
CLL64015	Develop SAP	01OCT03	30OCT03
CLL64005	Data Collection and Disposition Path Anlys	01OCT03	26NOV03
CLL64155	LLW Backlog Contingency FY04	01OCT03	30SEP04
CLL64165	FY04 Contingency Adjustment	01OCT03	30SEP04
CLL64025	Sample Waste Containers	03NOV03	25NOV03
CLL64035	Lab Analysis	03NOV03	25NOV03
CLL64045	December Disposition of 9 Containers	26NOV03	16DEC03
CLL64055	January Disposition of 9 Containers	17DEC03	21JAN04
CLL64065	February Disposition of 9 Containers	22JAN04	17FEB04
CLL64075	March Disposition of 9 Containers	18FEB04	17MAR04
CLL64085	April Disposition of 9 Containers	18MAR04	15APR04



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Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:46

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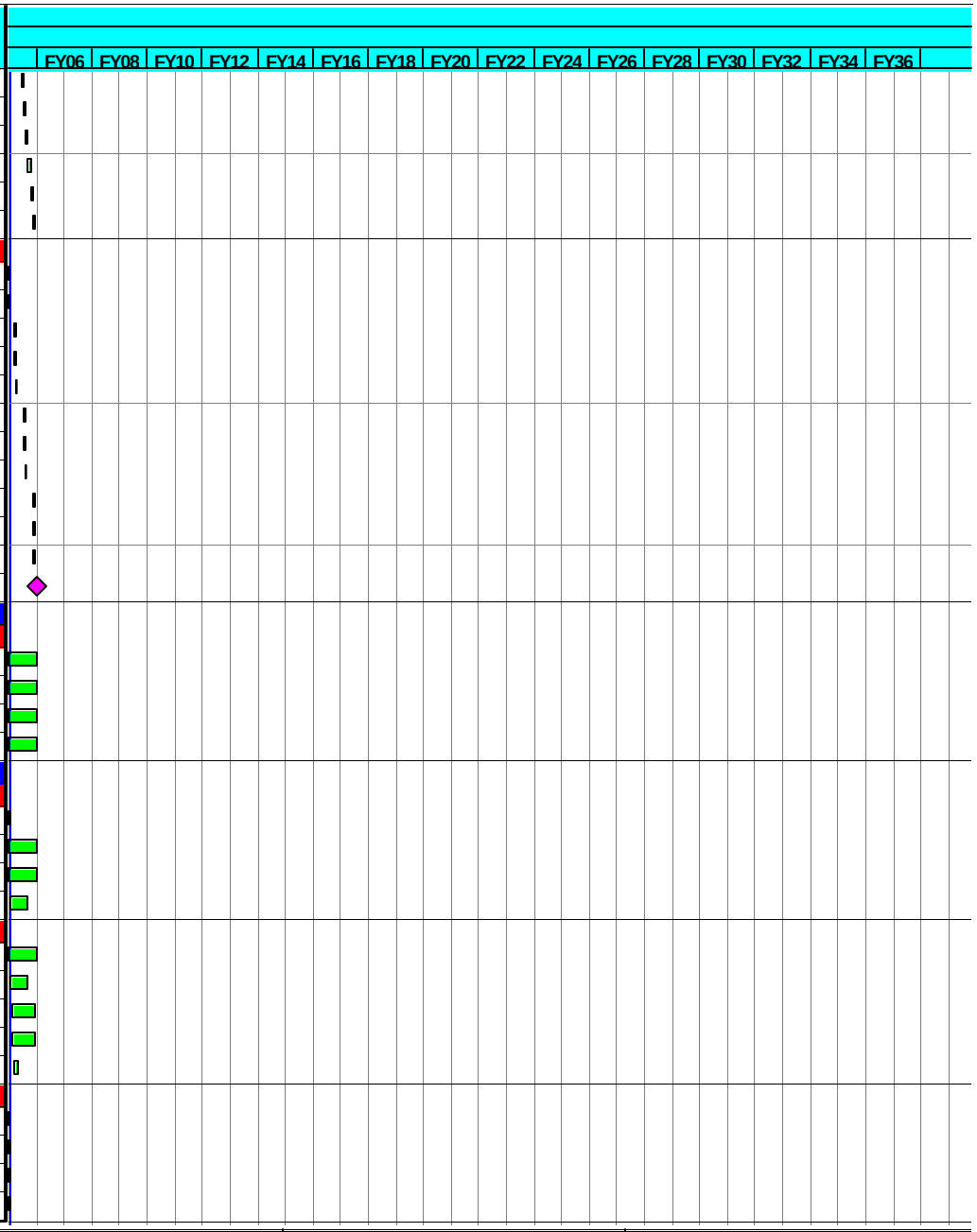
Activity ID	Activity Description	Early Start	Early Finish
CLL64145	Update LLW Exceed One Year in Storage Disp Plan	23MAR04	19APR04
CLL64095	May Disposition of 9 Containers	19APR04	13MAY04
CLL64105	June Disposition of 9 Containers	17MAY04	15JUN04
CLL64115	July Disposition of 9 Containers	16JUN04	14JUL04
CLL64125	August Disposition of 9 Containers	15JUL04	09AUG04
CLL64135	September Disposition of 6 Containers	10AUG04	07SEP04
Liquid LLW Disposition			
CLL61248	FY02 Liquid VR Drum Compaction	01OCT03	01OCT03
CLL61253	FY02 Waste Return	01OCT03	01OCT03
CLL61161	1st Shipment LLW Liquid VR Programatic	10DEC03	14JAN04
CLL61162	1st Shipment LLW Liquid VR Operations	10DEC03	14JAN04
CLL61143	1st Shipment Waste Return Coordination	12JAN04	14JAN04
CLL61250	2nd Shipment LLW Liquid VR Programatic	14APR04	11MAY04
CLL61260	2nd Shipment LLW Liquid VR Operations	14APR04	11MAY04
CLL61144	2nd Shipment Waste Return Coordination	06MAY04	06MAY04
CLL61240	3rd Shipment LLW Liquid VR Programatic	16AUG04	13SEP04
CLL61261	3rd Shipment LLW Liquid VR Operations	16AUG04	13SEP04
CLL61243	3rd Shipment Waste Return Coordination	02SEP04	07SEP04
CLLEND04	END LLW FY04 Scope		30SEP04
Project Management			
Project Management			
CLCL6010	MLLW Project Manager	01OCT03	30SEP04
CLCL6085	MLLW Planning and Controls Activities	01OCT03	30SEP04
CLCL6095	MLLW PM Contingency	01OCT03	30SEP04
CLCL6105	FY04 MLLW PM Contingency Adj	01OCT03	30SEP04
MLLW Onsite Treatment			
Decon Facility Ops			
CLCLD069	Decon Facility Radcon Support	01OCT03	27OCT03
CLCLD050	Plant Breathing Air	01OCT03	30SEP04
CLCLD079	Decon Facility Support	01OCT03	30SEP04
CLCLD074	Decon Facility Ops	28OCT03	16JUN04
Leached HEPA Filters			
4L20F005	RCRA Inspections- FDP Filters FY04	01OCT03	30SEP04
4L20F010	Perform CPP–666 Engineering Evaluation	03NOV03*	01JUN04
4L20F015	Purchase Dryer and Prepare Installation Plan	01DEC03*	15SEP04
4L20F020	Fabricate 100 Filter Boxes	01DEC03*	15SEP04
4L20F022	Filter Leach Support For 9 Filters	22DEC03*	22JAN04
Decon Facility Maintenance			
CLCLD604	PLAN-ANNUAL PM SATS-NCD-214 JAN	01OCT03	07OCT03
CLCLD615	ANNUAL PM SATS-NCD-214 JAN	01OCT03	14OCT03
CLCLD620	ANNUAL PM CRN-NCD-901 SEP	01OCT03	14OCT03
CLCLD605	APPROVE-ANNUAL PM SATS-NCD-214 JAN	01OCT03	29OCT03



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:46

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Progress Bar
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CJC2

Sheet 3 of 27

Eliminate MLLW Backlog/Environmental Services

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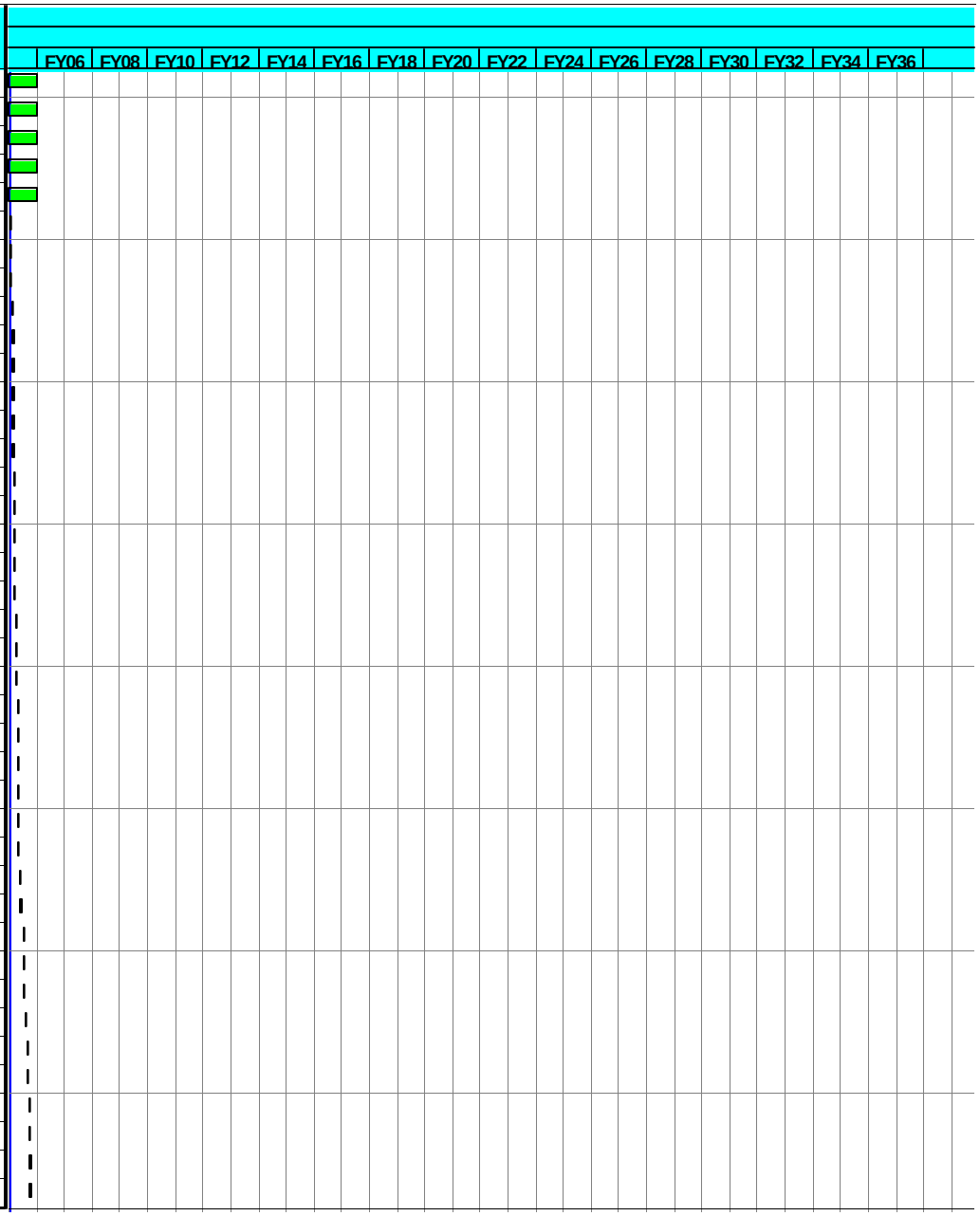
Activity ID	Activity Description	Early Start	Early Finish
CLCLD133	Engineering Support Activities	01OCT03	30SEP04
CLCLD135	Planning Activities	01OCT03	30SEP04
CLCLD137	Crafts Support	01OCT03	30SEP04
CLCLD139	Administrative Activities	01OCT03	30SEP04
CLCLD219	Preventive Maintenance Support	01OCT03	30SEP04
CLCLD473	ANNUAL PM LGW-NCD-904 OCT	15OCT03*	15OCT03
CLCLD335	MONTHLY PM C&H DECON-001 OCT	21OCT03	21OCT03
CLCLD337	MONTHLY PM ON C&H DECON-001 NOV	05NOV03*	05NOV03
CLCLD395	ANNUAL PM ON UC-NCD-921 NOV	11NOV03*	11NOV03
CLCLD456	MAN-NCD-905 HATCH PULL/INSTALL SCAFFOLDING	02DEC03*	02DEC03
CLCLD457	COMPLETE DECON/SURVEYS OF DECON CELL	02DEC03*	02DEC03
CLCLD385	ANNUAL PM ON CRN-NCD-912 DEC	02DEC03*	03DEC03
CLCLD507	ANNUAL PM ON DOR-NCD-309A DEC	02DEC03*	03DEC03
CLCLD708	ANNUAL PM DOR-NCD-716 (RQST) SEP FY04	02DEC03*	23DEC03
CLCLD445	CRN-NCD-912 Y01 PM- EO PORTION-DEC	03DEC03*	03DEC03
CLCLD403	ANNUAL PM MAN-NCD-905 DEC	03DEC03*	04DEC03
CLCLD463	MAN-NCD-905 Remove Scaffold / Install hatch	04DEC03*	04DEC03
CLCLD458	MAN-NCD-905 Remove Scaffold / Install hatch	08DEC03*	08DEC03
CLCLD339	MONTHLY PM ON C&H DECON-001 DEC	16DEC03*	16DEC03
CLCLD471	ANNUAL PM ON HOOK-NCD-901 JAN	07JAN04*	07JAN04
CLCLD521	CANCEL - ANNUAL PM BLO-NCD-289 JAN	08JAN04*	08JAN04
CLCLD341	MONTHLY PM ON C&H DECON-001 JAN	15JAN04*	15JAN04
CLCLD475	ANNUAL PM ON P-NCD-226 FEB	03FEB04*	03FEB04
CLCLD571	PM ON P-NCD-227	03FEB04*	03FEB04
CLCLD573	*PM ON P-NCD-228	03FEB04*	03FEB04
CLCLD575	*PM ON P-NCD-229	03FEB04*	03FEB04
CLCLD343	MONTHLY PM ON C&H DECON-001 FEB	05FEB04*	05FEB04
CLCLD505	PM ANNUAL CRN-NCD-917 FEB	11FEB04*	11FEB04
CLCLD557	*ANNUAL PM TD-NCD-915 MARCH	03MAR04*	03MAR04
CLCLD345	MONTHLY PM C&H DECON-001 MAR	11MAR04*	11MAR04
CLCLD522	ANNUAL PM ON BLO-NCD-286 APR	07APR04*	07APR04
CLCLD347	MONTHLY PM ON C&H DECON-001 APRIL	08APR04*	08APR04
CLCLD465	Annual PM RUE-NCD-901April	15APR04*	15APR04
CLCLD349	MONTHLY PM ON C&H DECON-001 MAY	06MAY04*	06MAY04
CLCLD351	MONTHLY PM ON C&H DECON-001 JUN	14JUN04*	14JUN04
CLCLD599	*ANNUAL PM DOR-NCD-418D	16JUN04*	16JUN04
CLCLD353	MONTHLY PM ON C&H DECON-001 JUL	01JUL04*	01JUL04
CLCLD451	Perform P-NCD-223 ANNUAL PM	08JUL04*	08JUL04
CLCLD455	ANNUAL PM ON AG-NCD-427 JUL	13JUL04*	15JUL04
CLCLD469	ANNUAL PM ON WNH-NCD-930 JULY	14JUL04*	14JUL04



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CJC2 Sheet 4 of 27

Eliminate MLLW Backlog/Environmental Services

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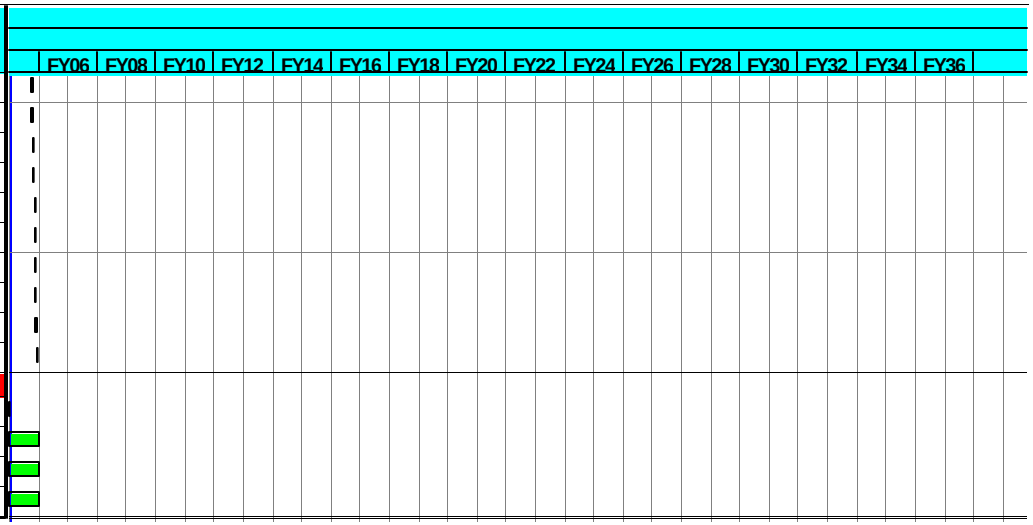
Activity ID	Activity Description	Early Start	Early Finish
CLCLD556	*ANNUAL PM ON AG-NCD-428	14JUL04*	14JUL04
CLCLD601	*ANNUAL PM DOR-NCD-419A	14JUL04*	14JUL04
CLCLD477	ANNUAL PM BLO-NCD-287-1 AUG	04AUG04*	04AUG04
CLCLD355	MONTHLY PM ON C&H DECON-001 AUG	05AUG04*	05AUG04
CLCLD555	*ANNUAL PM RUE-NCD-902 AUG	11AUG04*	11AUG04
CLCLD597	*ANNUAL PM DOR-NCD-417A	11AUG04*	11AUG04
CLCLD603	*ANNUAL GBX-NCD-920	11AUG04*	11AUG04
CLCLD476	ANNUAL PM BLO-NCD-287-2 AUG	18AUG04*	18AUG04
CLCLD357	MONTHLY PM ON C&H DECON-001 SEP	02SEP04*	02SEP04
CLCLD381	ANNUAL PM CRN-NCD-901 SEP	07SEP04*	07SEP04
Decon Facility Project Support			
CLCLD040	Onsite Treatment FY04 Contingency Adjustment	01OCT03	01OCT03
CLCLD005	Project Management and Support	01OCT03	30SEP04
CLCLD020	Documentation, Training and Enviromental Service	01OCT03	30SEP04
CLCLD030	MLLW Onsite Treatment Contingency	01OCT03	30SEP04



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Progress Bar
Critical Activity

CJC2 Sheet 5 of 27

Eliminate MLLW Backlog/Environmental Services

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Eliminate MLLW Backlog/Enviromental Services

Subproject Breakout by Budget Element

WBS[4]		BE		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cumulative
A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition												
	BURDENED BASE											
		L	BCWS	11,416	0	0	0	0	0	0	0	11,416
		M	BCWS	649	0	0	0	0	0	0	0	649
		N	BCWS	367	0	0	0	0	0	0	0	367
		S	BCWS	11,185	0	0	0	0	0	0	0	11,185
		T	BCWS	74	0	0	0	0	0	0	0	74
	Results... Totals:		BCWS	23,691	0	0	0	0	0	0	0	23,691
	ESCALATION											
		L	BCWS	348	0	0	0	0	0	0	0	348
		M	BCWS	14	0	0	0	0	0	0	0	14
		N	BCWS	8	0	0	0	0	0	0	0	8
		S	BCWS	235	0	0	0	0	0	0	0	235
		T	BCWS	2	0	0	0	0	0	0	0	2
	Results... Totals:		BCWS	606	0	0	0	0	0	0	0	606
	SUMMARY (BASE+ESCALATION)											
		L	BCWS	11,765	0	0	0	0	0	0	0	11,765
		M	BCWS	663	0	0	0	0	0	0	0	663
		N	BCWS	374	0	0	0	0	0	0	0	374
		S	BCWS	11,420	0	0	0	0	0	0	0	11,420
		T	BCWS	75	0	0	0	0	0	0	0	75
	Results... Totals:		BCWS	24,297	0	0	0	0	0	0	0	24,297
WBS[4] Totals:			BCWS	24,297	0	0	0	0	0	0	0	24,297

SUBPROJECT PLAN
Life-Cycle FY 2004

WBS: A.1.04.01.03
Title: Environmental Services

PROJ Mgr:	**Jeffrey Mousseau**	**Planning & Controls:**	**Jason Chapple**
DOE-ID:		**ES&H Field Manager:**	**Richard Jansen**
PBS Manager:	**Jeffrey Mousseau**	**Other:**	

1. WORK DESCRIPTION:

Environmental Services Approach

The Environmental Services subproject provides cross-cutting work scope across the Idaho National Engineering and Environmental Laboratory (INEEL) to the Idaho Completion Project (ICP), and waste generator services, landfills and waste disposal, sampling services, air and water monitoring, integrated waste tracking, and operations and maintenance.

Work Scope

This subproject consists of 21 control accounts (CAs) that are necessary to provide support to the Idaho Completion Project for waste management and disposition through the lifecycle of the ICP mission at the INEEL. These control accounts are:

A.1.04.01.03.01 – Site Treatment Plan

Provides for the management of the Site Treatment Plan (STP) for maintaining the inventory of waste required by the Idaho Department of Environmental Quality (IDEQ), and also provides the annual Site Treatment Plan report generated every fiscal year in November for submittal to the IDEQ.

A.1.04.01.03.02 – Integrated Waste Tracking System

Provides for maintenance of and enhancements to the Integrated Waste Tracking System (IWTS). IWTS consists of systems for site-wide containerized waste inventory, limit evaluation, processing, and shipping at all INEEL waste generating facilities, Treatment, Storage and Disposal facilities, and temporary accumulation areas for containerized waste, i.e., mixed low-level waste (MLLW), hazardous waste (HW), low-level waste (LLW), and recyclable materials.

A.1.04.01.03.03 – Transportation Compliance

Provides programmatic, technical compliance support to the Packaging and Transportation (P&T) organization. Requirements for radioactive and hazardous materials and wastes at the INEEL are as follows:

- Manage waste packaging for the Eliminate MLLW Backlog & Environmental Services Project.
- Assure that all waste packaging is properly specified, procured, inspected, inventoried, and used.
- Provide surveillance and preventive maintenance for shipping casks and assure that cask Certificates of Compliance are renewed on time.
- Maintain the packaging and transportation of radioactive and hazardous materials and wastes in compliance with applicable regulations and requirements.

A.1.04.01.03.04 – ESH&QA Compliance

Provides oversight and guidance to the ICP Eliminate MLLW Backlog and Environmental Services activities, to ensure they are conducted in accordance with applicable federal, state, Department of Energy (DOE), and contractor policies, and as they relate to environmental, safety, health, radiological control, training, quality assurance, and records management.

This control account includes the following:

- Provide a rigorous safety and health program that supports zero accidents.
- Provide a training program that properly develops and maintains the organization staff for implementing the program.

- Provide environmental compliance/permitting regulatory support and maintain the storage area database.
- Provide radiological engineering support.
- Provide quality engineering and waste certification officer support.
- Develop and support implementation of the quality improvement program.
- Maintain waste records in a manner that supports previous internal and external audit findings.

A.1.04.01.03.05 – CPP-1619 Ops & Maintenance

CPP-1619 Operations:

This work scope is required to operate and maintain CPP-1619 Storage Facility at the Idaho Nuclear Technologies and Engineering Complex (INTEC) in a manner to provide permitted and compliant storage of the Resource Conservation and Recovery Act (RCRA) HW, Toxic Substance Control Act-regulated waste, and industrial waste that does not meet the INEEL Landfill Waste Acceptance Criteria.

CPP-1619 Maintenance:

This building and structures maintenance (Bin 1) work scope provides for the maintenance and repair of structural/architectural, electrical, plumbing, heating, ventilation, and air conditioning, and communication components, of the CPP-1619 Hazardous Waste Storage Facility at the INTEC. This includes all other services incidental to maintaining the integrity of a structure's envelope and environmental controls to ensure the habitability of the structure for the assigned occupants and missions.

A.1.04.01.03.06 – Sitewide LLW Integration

Provides the work scope to support the DOE Order 435.1, *Radioactive Waste Management*. It includes the following:

Waste Disposal Project Management:

Conduct Project Management activities necessary to manage the LLW Disposal work scope. Management activities are required to Interface with contractor management and DOE-ID, i.e.,

- Respond to inquiries from the DOE-ID and Department of Energy Headquarters on LLW generated, treated, and stored material.
- Answer questions from stakeholders, Indian tribes, and the IDEQ.
- Interface with Nevada Test Site, Hanford, and Envirocare personnel on issues relating to off-site LLW disposal.
- Set policies at a program level to direct LLW Disposal activities.

Provides the LLW technical planning for LLW forecasting to be used for onsite and off-site disposal planning. This annual planning effort incorporates changing conditions that affect INEEL LLW disposal strategies.

Offsite LLW Disposal Support:

- FY 2004: Covers all activities associated with the off-site disposal of 500 m^3. Contains funding for transportation, disposal, waste certification official activities, and packaging certifier activities. Also, contains work scope to support facility audits, perform cost transfers, subcontract management, procurement support, issue resolution, and disposal facility working group meetings.
- FY 2005 – FY 2008: With the exception of disposal and transportation activities, covers all activities associated with the off-site disposal of 1,000 m^3 in FY 2005, 2,000 m^3 in FY 2006, 3,000 m^3 in FY 2007, and 4,000 m^3 in FY 2008. Contains work scope for waste certification official activities, packaging certifier activities, facility audit support, cost transfers, subcontract management, procurement support, issue resolution, and disposal facility working group meetings.

- FY 2009 – FY 2035: Contains work scope to manage 100% of INEEL crosscutting activities to support off-site disposal. Activities include facility audit support, cost transfers, subcontract management, procurement support, issue resolution, and disposal facility working group meetings.

One cubic meter RH-LLW Shipping Cask:

This work scope is to develop one remote handled (RH) LLW Nuclear Regulatory Commission (NRC) licensed road trailer transported waste shipping cask with sufficient shielding and maximum waste volume that weighs less than the over-the-road legal weight limit (80,000 lbs). This cask will be used to support all INEEL generators of RH LLW. The cask must be received during FY 2009 to allow operational onsite and disposal facility personnel training and operational readiness prior to complete discontinuance of RH LLW disposal at the Radioactive Waste Management Complex (RWMC) in FY 2010. The will have the following features and support equipment: 1 m^3 waste volume, dry and wet top loading and unloading, total trailer/cask/waste weight less than 80,000 lbs, NRC certificate of compliance, shielded for 30,000 R/h at contact, two transfer shielding bells, two sets of lifting devices and necessary operational instructions, tools and accessories.

A.1.04.01.03.07 – Hazardous Waste Integration

Conduct project management activities required to manage the work completed by WGS in the HW area. This includes supervision of employees and HW project management. Coordination with off-site treatment and/or disposal facilities for the INEEL generated HW, recyclable used oil, and non-radioactive RCRA recyclable metals, review and approval of HW determinations/characterization data, and identification and evaluation of treatment and disposal paths for HW. There will be contract renegotiations every five years.

A.1.04.01.03.08 – Sampling

Contains activities for sample management and waste stream sampling events. Sample management is funded as a direct recovery account.

The sampling work scope provides support of a core waste characterization sampling team in the areas of training, material support, and labor for historical (where a project owner can not be identified or is no longer in existence) waste stream sampling and data retrieval.

A.1.04.01.03.09 – LLW Vaults

Provides the work scope to complete the LLW Vault General Plant Project that provides 100 new RH LLW disposal vaults in the RWMC Subsurface Disposal Area. Construction work will complete in FY 2003 and this control account provides the final reports and project closeout activities to complete the General Plant Project.

A.1.04.01.03.10 – Program Management

- Provides program management for the Eliminate MLLW Backlog & Environmental Services project. This CA includes management of pollution prevention/waste minimization, LLW, MLLW, other waste, personnel management, and activities supporting the project organization.

A.1.04.01.03.11 – LLW Disposal Recovery Account

Includes the cost recovery for continued disposal of the INEEL LLW at the RWMC and off-site disposal of INEEL LLW.

Supports the following drivers:

- Annual Performance Evaluation Measurement Plan (PEMP) requirements for disposing specified amounts in m^3 of contact-handled (CH) LLW and RH LLW
- Annual DOE-ID Program Execution Guidance requirement to reduce the INEEL LLW inventory to less than 1,000 m^3 by the end of each FY
- DOE Order 435.1 requirements related to disposal of LLW.

Fulfills the LLW Disposal Facility Federal Review Group (LFRG) and DOE Order 435.1 requirements to maintain the RWMC Disposal Authorization Statement. The following are the LFRG requirements and work scope which correspond to the requirements:

- Performance Assessment (PA)/Composite Analysis (CA) annual report; RWMC LLW Disposal PA/CA,
- Maintain RWMC LLW PA and CA;
- Maintain RWMC LLW Disposal Pit Monitoring Plan;
- Maintain RWMC LLW Disposal Pit Closure Plan;
- Subsurface transport and corrosion research needs to support PA/CA.

The DOE Waste Management (WM) Programmatic Environmental Impact Statement Record of Decision has made the Nevada Test Site (NTS), the Hanford Site, and Envirocare available for off-site disposal of INEEL LLW. The Record of Decision also allows continued disposal of LLW at the INEEL consistent with current practice and to the extent practical and requires continued disposal of the INEEL Naval Reactors Facility LLW. To address this off-site disposal capability and the requirement to continue to dispose of Naval Reactors Facility LLW, this control account also supports off-site disposal of CH LLW at Hanford, NTS, and Envirocare. It is expected that roughly 92% of the LLW can be sent to Envirocare.

Based on the 2012 plan being implemented for accelerated clean-up at the INEEL, the active LLW disposal pit at the RWMC is planned to cease accepting CH LLW waste at the end of FY 2008 and to cease accepting RH LLW at the end of FY 2009. In order to obtain approval for off-site disposal of each waste stream and to develop the infrastructure to begin shipping all waste off-site in FY 2010, beginning in FY 2004, the amounts of CH LLW shipped to NTS or Envirocare are planned to increase substantially and to continue to ramp up until FY 2009. This control account includes cost recovery for transportation and disposal of waste off-site as well as operation of a staging and shipping facility for these wastes. Generator specific activities are not covered in this control account and will be funded by the generator.

A.1.04.01.03.12 – Consolidated LLW Staging & Shipping Facility

In support of closing the RWMC LLW Disposal Pit operations at the end of FY 2008, a consolidated site-wide LLW staging and shipping facility is necessary to support off-site LLW disposal. The current plans are to locate this facility near the rail spur immediately east of the INTEC and south of the Coal Fired Steam Generation Facility Ash Bury Pit.

Containerized LLW from every INEEL generator will be shipped and consolidated at the staging and shipping facility. Rail and truck campaigns to off-site disposal facilities (such as Envirocare, the NTS, and Hanford) will be coordinated from this facility.

This facility will consist of a fenced asphalt pad constructed on each side of the existing railroad track spur leading to CPP-603, an administrative building for support personnel, and an access road connecting to the existing INTEC perimeter road.

A.1.04.01.03.13 – Air

Includes activities associated with effluent air and ambient air surveillance. The effluent air scope includes site-wide air permitting and reporting activities required to comply with Clean Air Act regulations. Ambient air surveillance is conducted to determine the impact of operations at the INEEL on the environment and natural resources.

A.1.04.01.03.14 – Water

Includes activities required to perform monitoring, analyze samples, manage data, and perform reporting functions necessary for various water-related tasks (liquid effluent, drinking water, storm water, and groundwater) in order for the INEEL to demonstrate compliance with applicable regulations as well as coordinate, conduct and provide support as necessary, for activities that are not specific to any single INEEL Water Monitoring Program.

A.1.04.01.03.15 - Environmental Surveillance

Comprised of: Soils and Biota Surveillance. This work is conducted at all waste management facilities, per DOE Order 435.1, and outside all operational facilities at the INEEL, to determine the impacts of operation on the environment and natural resources, per DOE Order 450.1.

A.1.04.01.03.16 – Environmental Reporting

Provides for the preparation and submittal of site-wide compliance reports, permits, and records required by Toxic Substances Control Act (TSCA), RCRA, Federal Insecticide, Fungicide, and Rodenticide Act, and Emergency Planning and Community Right-to-Know (EPCRA).

Includes management functions (i.e., project management, records management, planning and controls, administrative support, travel), sampling and laboratory support, and contractor-mandated programs such as Integrated Safety Management Systems and Voluntary Protection Program, and training such as Occupational Safety Hazard Association, Radiation Worker, etc.

A.1.04.01.03.17– MLLW Integration

Provides the work scope to oversee and conduct the following:

- Provide off-site treatment and disposal for newly generated MLLW at the INEEL. The intent is to establish a single point-of-contact for off-site waste treatment contact administration for the ICP waste.

  This work scope is required to:

  - provide a single point-of-contact for treatment and disposal of newly generated MLLW,
  - maintain MLLW treatment projections and STP agreements,
  - prepare documentation,
  - profile waste,
  - coordinate disposal contracts and waste acceptance criteria (WAC) reviews, and
  - ship newly generated MLLW off-site for treatment and disposal.

A.1.04.01.03.18 – Landfill Operations

This work scope is currently indirectly funded therefore this WBS element will remain a placeholder only.

A.1.04.01.03.19 – Lead Disposition

Provides for the primary disposition of the INEEL mixed waste lead through a private sector treatment/disposal facility. This control account implements the RCRA STP for "Off-Site Disposition" of mixed waste lead and is required to accomplish the following activities:

- Identify, sample, characterize, and ship radiological contaminated lead forms off-site for recycling or reuse (i.e., chunks, brick.) The lead will be melted down and recast into brick or shielded containers for reuse at the INEEL or other locations, such as the Idaho Accelerator Center at Idaho State University. Lead shapes such as pigs and bricks will be directly reused offsite without recycling, if possible.
- Work with facility point-of-contacts to update, maintain, and operate a lead inventory database for lead at the INEEL. This lead inventory database will contain lead in-use, mixed waste lead, scrap lead, and lead product. It will quantify as best possible, the amounts (volume and weight), types, locations, packaging, and physical and radiological contamination characteristics of the lead.
- Identify, sample, characterize, and ship radiological contaminated lead forms and debris not acceptable for off-site recycling (i.e., lead wool, and blankets, shot.) The lead will be packaged and shipped to an off-site treatment and disposal facility.

- Provide technical assistance for characterization, decontamination, and dismantlement of lead shielded casks and devices that are highly contaminated with radioactivity or other hazardous materials.
- Provide INEEL Lead Program management and control.

A.1.04.01.03.20– MLLW Onsite Treatment

The Decontamination Cell in CPP-659, New Waste Calcine Facility, has the capability to treat wastes by leaching spent high-efficiency particulate air (HEPA) filters. This CA includes all the activities required to perform Filter Leach activities in FY 2005 – FY 2007. The scope for maintenance of the facility and performance of debris treatment and decontamination activities is returned to Clean/Closure INTEC Project beginning in FY 2005.

- Provide HEPA filter leaching service for filters that do not meet off-site disposal waste acceptance criteria requirements. This scope will remain the responsibility of Eliminate MLLW Backlog/Service until all backlog filters are processed. Beginning in FY 2005, work scope and management direction will be provided by Eliminate MLLW Backlog/Service and Clean/Closure INTEC will be responsible for providing the facility and services required to leach filters. The near term objective is to leach filters stored in CPP-659 and to perform all work necessary to enable retrieval of filters stored in CPP-666, FAST. The CPP-666 filters were generated as a by-product of the fluorinel dissolution process (FDP).
- Work scope includes all labor, support services and supplies, CPP-666 safety documentation and facility modification associated with retrieving FDP filters, and Volume 18 Part B Permit surveillance for HEPA filters in storage.

A.1.04.01.03.21 – MLLW with No Path to Disposal

Required to provide off-site treatment/disposal and on-site treatment/storage of Legacy (i.e., backlog) MLLW currently in permitted storage at the INEEL.

Approximately 30 m^3 of Legacy MLLW will have no identified off-site treatment and/or disposal path at the end of FY 2004 (when the MLLW Backlog Project ends). This waste has no commercial or government treatment options due to radiation levels, chemical composition, physical matrix or a combination of each. New treatment technologies and/or expansion of existing facility treatment capabilities must be developed for all of this MLLW. All remaining containers will require complete detailed sampling for RCRA, TSCA and radioactive analysis against the future treatment facility WAC.

MLLW remaining will be in small containers of approximately 3.5 ft^3 or 10 containers per 1 m^3. Approximately 3 m^3 of MLLW will be dispositioned in FY 2005 and FY 2006. Approximately 4m^3 per year of the 24 m^3 remaining will be dispositioned in FY 2007 – FY 2012. Of the 24 m^3 of MLLW remaining in FY 2007, it has been assumed that 75% (18 m^3) will eventually be treated in a commercial facility and the remaining 25% (6 m^3) will require INEEL developed treatment. INEEL treatment will fit into an existing treatment unit and will require slight facility modification and significant RCRA Permit modification.

2. MAJOR PRODUCTS AND DELIVERABLES:

- Deliver annual reports and STP update to the State of Idaho due November 30, each year.
- Provide input for annual Department of Energy Headquarters Chief Financial Officer report due March 30, each year.
- Maintain an IWTS operations system available 24 hours per day, seven days per week
- Produce three to four IWTS builds (software upgrades/updates) annually, dependent on user needs.
- Produce weekly P&T compliance status updates for DOE-ID.
- Produce monthly P&T compliance reports for DOE-ID.

- Develop and update management control and technical procedures to assure packaging and transportation of hazardous materials and wastes is performed in compliance with regulatory and INEEL contractor requirements for direct funded work.
- Maintain INEEL contractor compliance as an interstate carrier of hazardous material.
- Maintain Department of Transportation driver files in accordance with regulatory and INEEL contractor requirements.
- Perform self-assessments and independent assessment of P&T activities.
- Renew cask CNS 1-13CII Certificate of Compliance May 31, 2004 (every five years)
- Renew cask NuPac 125B Certificate of Compliance March 31, 2006 (every five years)
- Update P&T packaging/procurement specifications as required to support WGS to assure that packaging is specified, procured, inspected, inventoried, and used in compliance with requirements.
- Maintain annual LLW inventory goal of less than 1,000 m^3.
- Submit monthly LLW activity report (LLW: amount generated, current inventory, treated, and disposed).
- Input annual LLW forecasting data into IPABS.
- Annually revise and issue Engineering Design File (EDF)-RWMC-1591, *LLW Forecasting Assessment for the INEEL*.
- Complete Requirements and procurement documentation for one cubic meter RH-LLW shipping cask.
- Bid and Award, cask design, NRC license, cask fabrication, receive RH-LLW shipping cask at INEEL Sept. FY 2008.
- Final Approval to operate one cubic meter RH-LLW shipping cask September FY 2009.

<u>RWMC LLW Disposal Pit Closure and Transition</u>

- Complete final PA/CA for active LLW disposal pits
- Complete Final Closure Plan for active LLW disposal pits
- Final LW vaults construction completion report.
- Annual PA/CA Monitoring Report
- Meet annual LLW disposal levels per DOE-ID PEMP requirements
- Meet annual LLW inventory goal per DOE-ID PEMP requirements
- FY 2004 – Draft revised PA/CA report
- FY 2005 – Final revised PA/CA report
- FY 2004, FY 2008 – retrieve corrosion coupons

<u>Consolidated LLW Staging & Shipping Facility</u>

- Complete Project Execution Plan by September 30, 2004
- Complete Title II design by September 30, 2005
- Construction complete and project acceptance/closeout by September 30, 2006
- Dispose of 100,000 lbs Lead per year, FY 2004 through FY 2012.
- Recycle 100,000 lbs of Lead per year FY 2004 through FY 2012.

- Characterize 200,000 lbs of lead per year (100,000 disposed + 100,000 recycled), FY 2004 through FY 2012.

Air Monitoring:

- Three year cycle update Air Emission report
- Permit to Construct reports
- Toxic Emission Report
- Non-Radiological Air Emissions Report
- National Emission Standards for Hazardous Air Pollutants report
- CFR 60.40c-48c Subpart Dc reports
- Nitrous Oxide (NOx) report
- Asbestos Notification and Report

Water:

- Letters for pH logs to the City of Idaho Falls
- Monitoring results for the INEEL Research Center and Willow Creek Building to the City of Idaho Falls
- WLAP Site Performance report to the IDEQ
- Bacteriological report to the IDEQ
- Fee Assessment for INEEL drinking water systems to State of Idaho
- INEEL Storm Waster Pollution Prevention Plant-Industrial Areas Notice of Intents
- NPDES Nation-wide storm water permit documentation
- Inspections and analysis in accordance with the Storm Water Pollution Prevention Plans
- Comprehensive well inventory updates.

Environmental Reporting:

- EPCRA 311 Report
- EPCRA 312 Report
- EPCRA 313 Report
- RCRA Part A Summary
- Volume 1, Section A of the INEEL RCRA Permit Application
- Volume 3, Part B of the INEEL RCRA Permit Application
- TSCA Document Log/Inventory
- TSCA Radioactive Waste Inventory
- Idaho Hazardous Waste Generator Report

MLLW Onsite Treatment:

- Start Filter Leaching and leach 67 CPP-659 backlog filters, FY 2005.
- Fabricate 80 Filter Boxes, by the end of FY 2005.
- Perform modifications and update the safety documentation for FDP filter removal from CPP-666, due month FY 2005.

- Leach 81 CPP-659 backlog filters, due FY 2006.
- Leach remaining 66 CPP-659 backlog filters and all 148 CPP-666 filters, due FY 2007.
- Transfer responsibility for leaching filters generated since FY 2003 to Clean/Close INTEC, due FY 2007.

MLLW with No Path to Disposal:

- FY 2005 through FY 2006 – Ship 3 m^3 per year of Legacy MLLW off-site for treatment and disposal
- FY 2007 through FY 2012 – Ship 3 m^3 per year of Legacy MLLW off-site for treatment and disposal
- FY 2007 through FY 2012 – Treat on site (at INEEL) 1 m^3 per year of Legacy MLLW.

3. ESTIMATE DEVELOPMENT BASIS:

Cost estimates for the CC-SP4 Environmental Services subproject activities are based on the most appropriate means available, with first consideration given to a bottoms-up methodology, using process knowledge and/or historical data from FY 2001 and FY 2002 to arrive at a unit cost.

Other cost estimate development methodologies were used, including:

- Professional experience and judgment of Subject Matter Experts, e.g., process engineers, technicians, managers, and outside consultants, where applicable, was used to determine appropriate resources for performing new work scope activities for which no historical data was available
- Recorded hours expended for similar work activities to accomplish similar scope performed in FY 2002/2003. In most cases, adjustments were made–up or down, as necessary–to reflect changes in operating conditions, scope of work, lessons learned, or other factors currently existing or projected going forward
- Engineering estimates were developed for facility and system modifications utilizing standard engineering and construction methods of estimating costs from drawings and specifications
- Other sources of reliable cost data were used, i.e., vendor quotes and estimates, FY 2002/2003 baseline cost estimates, and FY 2002/2003 estimates at completion.

Detailed cost estimates are provided in the individual planning packages for the various CAs.

Contingency Guideline Implementation:

The contingency for each control account was developed per the Life Cycle Baseline (LCB) Contingency Guidance. The project team reviewed and discussed issues and concerns, as documented in the LCB Contingency Analysis Questionnaire, and assigned appropriate contingency values. Based on the details within the scope of work, and the assumptions identified with that scope of work, along with the contingency dollars incorporated, the project team considers the contingency reasonable based on the current environment for this CA.

The contingency analysis for this project has been performed for each control account within the project and is available with each control account plan located in the backup project file documentation.

4. ASSUMPTIONS:

A.1.04.01.03.01 - Site Treatment Plan

A. The Department of Energy and the State of Idaho will maintain the Federal Facility Compliance Act Consent Order.

B. Only routine updates to the STP are required.

A.1.04.01.03.02 - Integrated Waste Tracking System

A. There will be no changes in tracking or reporting requirements that will adversely affect this scope of work or the costs associated with it.

B. Waste Generator Services and associated process, procedures, and policies will be maintained, as they currently exist.

C. The IWTS is operated and manned five days per week (261 days per year) and 51 weeks year (one week down for curtailment at Christmas).

D. The IWTS maintenance costs are primarily a product of the number of builds (new releases) planned each year. Three annual builds or major releases are planned in the out years. This is based on history and experience.

E. With the ramp up of the Advanced Mixed Waste Treatment Project in the next few years there may be a significant impact to producing site wide reports such as the Idaho Annual report and the Idaho Biennial report to the Environmental Protection Agency. These two reports are currently heavily dependent on the use of the IWTS program and the repository designed to house data elements outside of the containerized waste tracking system. If the Advanced Mixed Waste Treatment Project does not utilize the IWTS for tracking of the generation, storage, transportation, and disposal tracking of waste, then significant effort will be required to modify existing systems to accept data electronically or manual incorporation of the data into the reports will be required.

A.1.04.01.03.03 - Transportation Compliance

A. Certificate of Compliance renewals for casks NuPac 125B and CNS 1-13CII will be made without revisions.

B. Responsibility for transportation compliance, as identified in this CA, will remain as a centralized function at the Idaho National Engineering and Environmental Laboratory.

A.1.04.01.03.04 - ESH&QA Compliance

A. Line Operations ESH&QA managers are responsible for performing operational specific environmental, Quality Assurance, Radiological Control, Safety and Health oversight for their respective facilities. The Eliminate MLLW Backlog & Environmental Services project is responsible for those activities directly associated with waste characterization and management in Temporary Accumulation Areas and transfer to Treatment, Storage, and Disposal Facilities. Work will be coordinated between the ESH&QA manager and the line operations ESH&QA manager.

B. Setting Contractor Environmental Policy, writing top-level company procedures, and providing regulatory interpretations on non-routine matters is the responsibility of Environmental Affairs.

C. Day-to-day Radiological Control/Safety/Health support at INEEL operational areas, is the responsibility of each tenant facility and the Site Area Director organizations, i.e., work control, safe work permit, and confined space permit.

A.1.04.01.03.05 - CPP-1619 Ops & Maintenance

A. Hazardous waste requiring handling/storage at CPP-1619 will continue to be generated at INTEC and other INEEL facilities at current generation rates (approximately 200 containers per year are handled). The generators requiring performance of that work will pay for any work required beyond the performance indicated by the waste generator in the work scope.

B. Although a number of INEEL facilities are permitted to store HW only, CPP-1619 will continue to provide primary storage for on-site facilities. Incidental storage of MLLW at this facility will not impact the mission of HW storage.

C. Hazardous waste will continue to be disposed of at off-site Treatment/Storage/Disposal facilities.

D. There will be no maintenance activities in CPP-1619 required as a result of major equipment failure.

E. Space will be available for expansion of CPP-1619 immediately adjacent, or in close proximity, to the existing facility due to footprint reduction.

F. Costs for closure of CPP-1617 projected to be incurred in FY 2004 or FY 2005, will not be funded from this control account.

G. CPP-1619 will be turned over to the INTEC facility at the end of its lifecycle.

A.1.04.01.03.06 - Sitewide LLW Integration

No specific assumptions.

A.1.04.01.03.07 - Hazardous Waste Integration

A. Current waste management vendor facilities will continue to store/treat/dispose of INEEL-generated HW and honor contracts.

B. Current off-site recycling vendor facilities will continue to receive and recycle INEEL-generated recyclable materials and honor contracts.

C. No waste moratoriums will preclude off-site waste and RCRA shipping.

D. Waste generators will fund the characterization of their own waste.

A.1.04.01.03.08 - Sampling

A. The benefiting organization/generator will provide funding for the facility representatives for the LCB.

B. The waste generator provides funding for sample and analysis costs.

C. The laboratory adder will completely fund the Sample and Analysis Management in FY 2004.

A.1.04.01.03.09 - LLW Vaults

Vault construction will be completed by the end of FY 2003.

A.1.04.01.03.10 - Program Management

No specific assumptions.

A.1.04.01.03.11 - LLW Disposal Recovery Account

General

A. Disposal volume forecasts will not vary significantly from EDF-1591, Rev. 2, *LLW Forecasting Assessment for the INEEL*

B. Generators will pay for containers, packages, and other facility specific costs.

C. Costs for disposal billed to generators will be based on a composite of onsite and off-site (including transportation) disposal costs and will include costs of operating a staging and shipping facility.

D. Decisions regarding the fractions of LLW to be disposed of onsite and off-site from FY 2004 through FY 2009 will have a significant impact on the closure schedule for the RWMC and also on costs of waste disposal to individual generators. Changes in the closure schedule for the RWMC will affect the timing of PA/CA activities and Verification and Validation activities.

CH-LLW Offsite Disposal Support

A. Envirocare is available for up to 92% of off-site CH LLW disposal. This is based on a review of actual disposal inventories that suggested that 92% of LLW recently disposed at the RWMC would be acceptable for disposal at Envirocare.

B. Shipping and off-site disposal costs are assumed to remain constant except for escalation.

C. Costs for operating an onsite staging and shipping facility are included in the recovery.

D. All CH-LLW transport is by truck assuming 36 m^3 per shipment.

E. Waste containers are single use and will be disposed with the waste.

RH-LLW Offsite Disposal Support

Advanced Test Reactor resins will be shipped and disposed as RH LLW.

RWMC LLW Disposal-Operations:

Active pits will accept CH LLW through FY 2008 and RH LLW through FY 2009.

RWMC LLW Disposal Authorization:

Revised PA/CA will be accepted without major revisions being required by the LFRG.

A.1.04.01.03.12 - Consolidated LLW Staging & Shipping Facility

A. The facility will be constructed south of the existing Coal Fired Steam Generation Facility ash bury pit at the southeast corner of INTEC.

B. The existing track can be used for storing and loading rail cars.

C. Only flat bed rail cars that can be loaded by forklift directly from the pad will be utilized for shipping waste. No allowance is included for loading boxcars.

D. A Cultural Resource Survey review will be required to confirm the construction area is covered by an existing survey. No allowance for modification of an existing survey or preparation of a new survey is included in the estimate.

E. The pit run gravel will be furnished to the construction subcontractor from the Test Reactor Area gravel pit at no cost to the subcontractor.

F. The administrative facility will utilize a new septic system for sanitary waste disposal.

G. Electrical service will be provided by constructing a new duct bank from CPP-778 to the new construction area. Primary service will be 2,400 volts and will utilize a transformer inside the new pad area to provide 480/208 Y 120 Volt service to the building.

H. Alarm, voice and data communications will utilize the same duct bank as the electrical service and will be extended from the utility tunnel at the northeast corner of the Coal Fired Steam Generation Facility.

I. A formal Title I Design will not be required.

A.1.04.01.03.13 - Air

A. The number and locations of air monitors remain constant.

B. Spikes (Quality Control Samples) are prepared by outside organizations on schedule.

C. Work control practices at the INEEL will not require additional labor resources to program plans, procedures, job safety analyses, or training requirements in order to perform the necessary fieldwork.

D. No more than one fire requiring monitoring will occur per month during fire season.

E. Facilities and programs will fund specific permitting compliance activities, including notification/reporting for their respective facilities.

F. Specific Manufacturing Capability operations will continue to fund Test Area North point-of-contact for Air Effluent group (including requirements database, Operating Permit, and air emission reporting).

G. Ozone Depleting Substance compliance will be funded by indirect work packages.

H. The level of detail in previous annual National Emission Standards for Hazardous Air Pollutants radioactive emission annual reports will continue to be acceptable to regulators.

I. There will be a transition from Environmental Management to Nuclear Energy funding in 2012.

A.1.04.01.03.14 - Water

A. The monitoring programs currently in place at the INEEL waste handling and processing facilities (re: DOE Order 435.1) will not change in this LCB.

B. Additional monitoring programs will not be initiated at the INEEL in this LCB.

C. There will be a transition from Environmental Management to Nuclear Energy funding in 2012.

A.1.04.01.03.15 - Environmental Surveillance

A. No additional cost increase due to changes in laboratory or disposal costs.

B. No additional cost due to changes or availability of analytical laboratories will occur.

C. There will be a transition from Environmental Management to Nuclear Energy funding in 2012.

A.1.04.01.03.16 - Environmental Reporting

A. The reporting programs currently in place at the INEEL waste handling and processing facilities (re: DOE Order 435.1) will not change in this LCB.

B. Argonne National Laboratory-West and the Naval Reactors Facility will complete the TSCA inventories and document logs for their respective facilities and submit to BBWI in order to complete the INEEL report. No work is planned in this account to perform this work.

C. Ten RCRA permit modification requests will be required on an annual basis. Prior to each Request, Volume 3 of the RCRA Part B Permit Application for the INEEL will be reviewed for accuracy and completeness. The 10 reviews to Volume 3 will result in no more than two revisions per year to Volume 3.

D. The revisions to Volume 3 will incorporate the ongoing floodplain studies information as they are completed and approved.

E. Any future floodplain studies required for compliance with RCRA 40 CFR 270.14 and 264.18(b) will be funded by the impacted facilities.

F. Facility-specific RCRA permit modifications and Part A and B changes will be funded by the facility.

G. Specific site areas and facilities are responsible for funding noxious weed encroachment prevention and re-vegetation.

H. Requirements for EPCRA 311, 312, and 313 reporting will not change from year to year.

I. The INEEL contractor will compile data for the EPCRA 313 report from its facilities and transmit the data to DOE-ID. DOE-ID will compile data from the Naval Reactors Facility, Argonne National Laboratory-West, and the INEEL contractor and transmit the final report to the IDEQ, and EPA. The described work is the responsibility of others.

J. Records management requirements, such as dual storage, do not change.

K. There will be a transition from Environmental Management to Nuclear Energy funding in 2012.

A.1.04.01.03.17 - MLLW Integration

A. Newly generated MLLW will not exceed 10 m^3 for Thermal, 20 m^3 for Stabilization, 30 m^3 for Macroencapsulation, and 100 m^3 for direct disposal.

B. To allow for off-site treatment and disposal of MLLW, generator-provided characterization data is sufficient, or funding exists to obtain additional characterization to prepare the necessary documentation.

C. Treatment and disposal contracts, private sector technologies, and commercial off-site facilities are available to cost effectively treat newly generated MLLW.

D. The INEEL STP disposition paths do not change as of the February, 2000 revision. Waste stream estimates identified in IWTS are also correct.

E. Newly generated waste from tenant facilities will require funding i.e. Naval Reactor Facility, Argonne National Laboratory-West, etc.

F. There will be a transition from Environmental Management to Nuclear Energy funding in 2012.

A.1.04.01.03.18 - Landfill Operations

This will remain an indirectly funded account.

A.1.04.01.03.19 - Lead Disposition

All lead re-use activities in this control account will conform to the requirements set forth in Department of Energy Secretary Memorandums of February 14, 2000 and July 13, 2000 concerning the recycling of metal from radiation areas.

A. An INEEL-wide lead in-use and mixed waste lead inventory, initiated in FY 1996, continues to be updated and will provide adequate data to make management decisions for mixed waste lead processing and final disposition.

B. No new Notice of Violations will adversely affect the current or planned regulatory scheme or management policy of the INEEL Lead Program.

C. During FY 2004 through FY 2012, approximately 2,000,000 lbs of mixed waste lead meeting the criteria for commercial disposal/recycling will be available from the mixed waste lead storage or from other sources for disposal and recycling.

D. The Lead Management Project will make the determination as to suitability of scrap recycling for cask dismantlement activities of small casks (e.g., pigs).

A.1.04.01.03.20 - MLLW Onsite Treatment

A. The 83 HEPA filters stored in CPP-1617 can be shipped off-site without leaching.

B. Existing backlog HEPA filters that are candidates for leaching does not exceed 362 filters.

C. Production rate of 4.5 filters/week of CPP-659 filters and 20 filters/week of CPP-666 filters can be maintained.

D. Starting in FY 2008, Filter Leaching scope is turned over to Clean/Close INTEC for leaching of filters that were generated after FY 2003.

A.1.04.01.03.21 - MLLW With No Path to Disposal

Commercial Treatment/Disposal Work Package:

A. Approximately 30 m^3 of Legacy MLLW will have no identified off-site treatment and/or disposal path at the end of FY04 (when the MLLW Backlog Project ends). This waste has no commercial or government treatment options due to: Radiation Levels, Chemical Composition, Physical Matrix or a combination of each.

B. New technology or expanded existing facilities must be developed for MLLW with no to disposal. Due to the situation where this waste will be identified throughout the MLLW Backlog project, Science & Technology needs will be identified as the waste is added to the inventory with no path to disposal.

C. 3 m3 will be dispositioned in FY 2005, FY 2006 and 4 m^3 per year of the 24 m^3 remaining will be dispositioned in FY 2007 – FY 2012.

D. MLLW remaining will be in small containers of approximately 3.5 ft^3 or 10 containers to 1 m^3.

E. All remaining containers will require complete detailed sampling for RCRA, TSCA and radioactive analysis against the future treatment facility WAC.

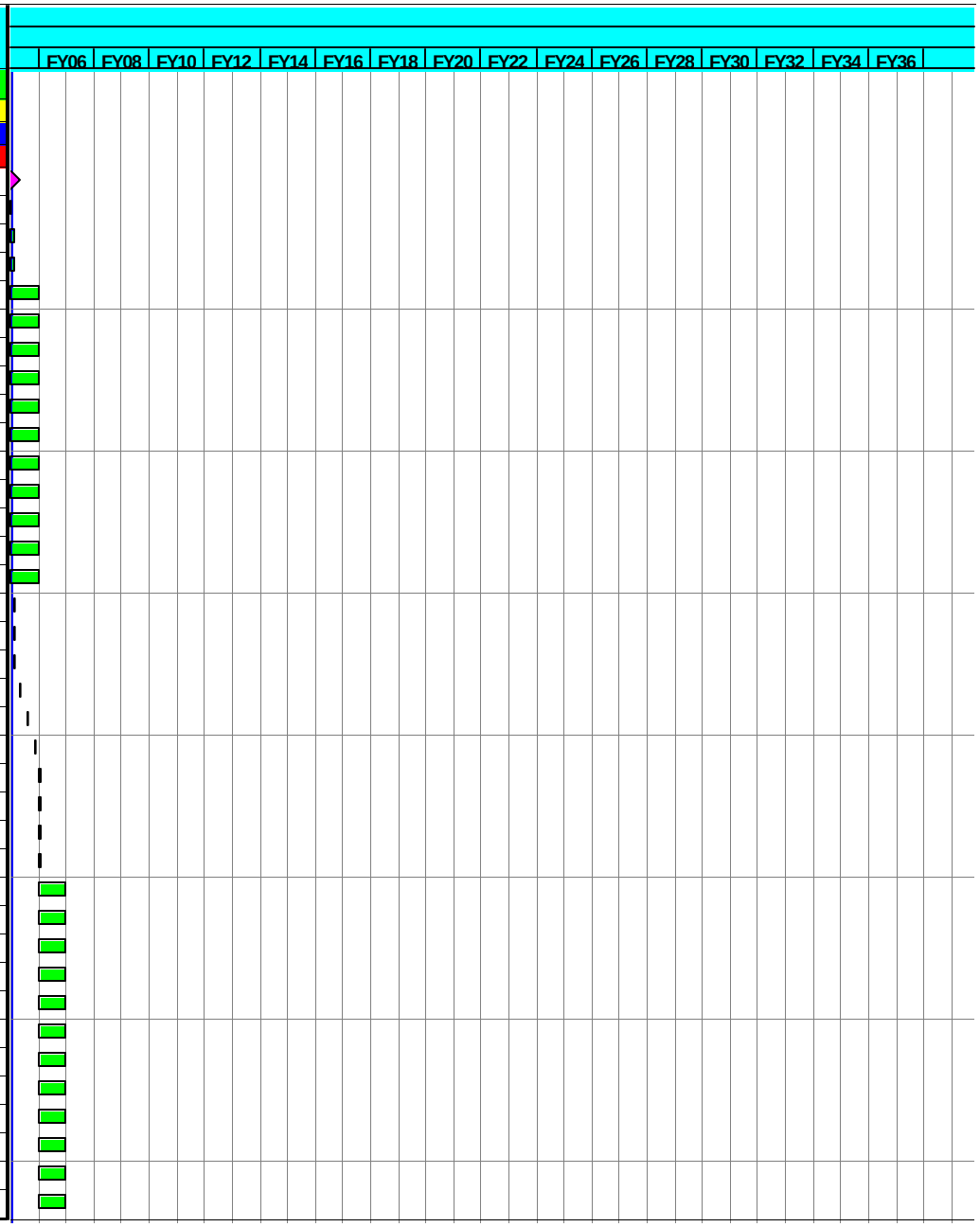
F. 75% of the remaining MLLW will eventually be treated in a commercial facility and the remaining 25% will require INEEL developed treatment.

G. INEEL treatment will fit into an existing treatment unit and will require slight facility modification and significant RCRA Permit modification.

5. SCIENCE AND TECHNOLOGY NEEDS

Science And Technology Need Number	Science And Technology Need Description
ID-3.1.77	Ability to establish remote monitoring stations without access to existing utility (electrical, phone, etc.) grid.
ID-3.1.78	Integrity of sampling systems.
ID-3.1.79	The ability to measure and predict contaminant transport in three directions in air and water.

Activity ID	Activity Description	Early Start	Early Finish
Remaining INEEL Completion Cross-Cut Suppo			
CC-SP4 Evironmental Services			
Site Treatment Plan			
Site Treatment Plan			
4LSTBEG4	STP Begin FY04	01OCT03	
4LSTP102	FY04 STP Contingency Adjustment	01OCT03	01OCT03
4LSTP085	Prepare Annual STP Update	01OCT03	14NOV03
4LSTP090	Prepare Annual STP Reports	01OCT03	14NOV03
4LSTP101	FY04 Contingency	01OCT03	29SEP04
4LSTP005	Maintain & Update STP	01OCT03	30SEP04
4LSTP010	Track & Report Status - STP Facility Milestones	01OCT03	30SEP04
4LSTP015	Maintain the Mixed Waste Inv.	01OCT03	30SEP04
4LSTP020	Provide Input to DOE HQ CFO Report	01OCT03	30SEP04
4LSTP025	Provide Assistance (Adhoc Basis)	01OCT03	30SEP04
4LSTP030	FFCA/INEEL-STP Management	01OCT03	30SEP04
4LSTP035	STP QPP Maintenance	01OCT03	30SEP04
4LSTP040	RCRA/LDR Compliance Support	01OCT03	30SEP04
4LSTP045	Maintain FFCA/STP/INEEL Consent Order Records	01OCT03	30SEP04
4LSTP050	Publishing Activity	01OCT03	30SEP04
4LSTP105	4TH quarter 2002 STP Meeting	14NOV03*	13NOV03
4LSTP110	Annual STP Update Complete	17NOV03*	14NOV03
4LSTP115	Deliver Annual STP Report to DEQ	17NOV03*	14NOV03
4LSTP120	1ST Quarter 2003 STP Meeting	13FEB04*	12FEB04
4LSTP125	2ND Quarter 2003 STP Meeting	14MAY04*	13MAY04
4LSTP130	3RD Quarter 2003 STP Meeting	13AUG04*	12AUG04
4LSTP215	Prepare Annual STP Update	01OCT04*	12NOV04
4LSTP220	Prepare Annual STP Reports	01OCT04*	12NOV04
4LSTP225	Maintain and Update the STP on a quarterly basis	01OCT04*	12NOV04
4LSTP230	Prepare Annual Report	01OCT04*	12NOV04
4LSTP135	Maintain & Update STP	01OCT04*	30SEP05
4LSTP140	Track & Report Status - STP Facility Milestones	01OCT04*	30SEP05
4LSTP145	Maintain the Mixed Waste Inv.	01OCT04*	30SEP05
4LSTP150	Provide Input to DOE HQ CFO Report	01OCT04*	30SEP05
4LSTP155	Provide Assistance (Adhoc Basis)	01OCT04*	30SEP05
4LSTP160	FFCA/INEEL-STP Management	01OCT04*	30SEP05
4LSTP165	STP QPP Maintenance	01OCT04*	30SEP05
4LSTP170	RCRA/LDR Compliance Support	01OCT04*	30SEP05
4LSTP175	Maintain FFCA/STP/INEEL Consent Order Records	01OCT04*	30SEP05
4LSTP180	Publishing Activity	01OCT04*	30SEP05
4LSTP185	Maintain INEEL Mixed Waste Inventory	01OCT04*	30SEP05
4LSTP190	Maintain FFCA/INEEL STP/INEEL STP Consent Order	01OCT04*	30SEP05



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:46

Early Bar
Progress Bar
Critical Activity

CJC2

Sheet 6 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

INEEL
Home of Science and Engineering Solutions
Idaho National Engineering and Environmental Laboratory

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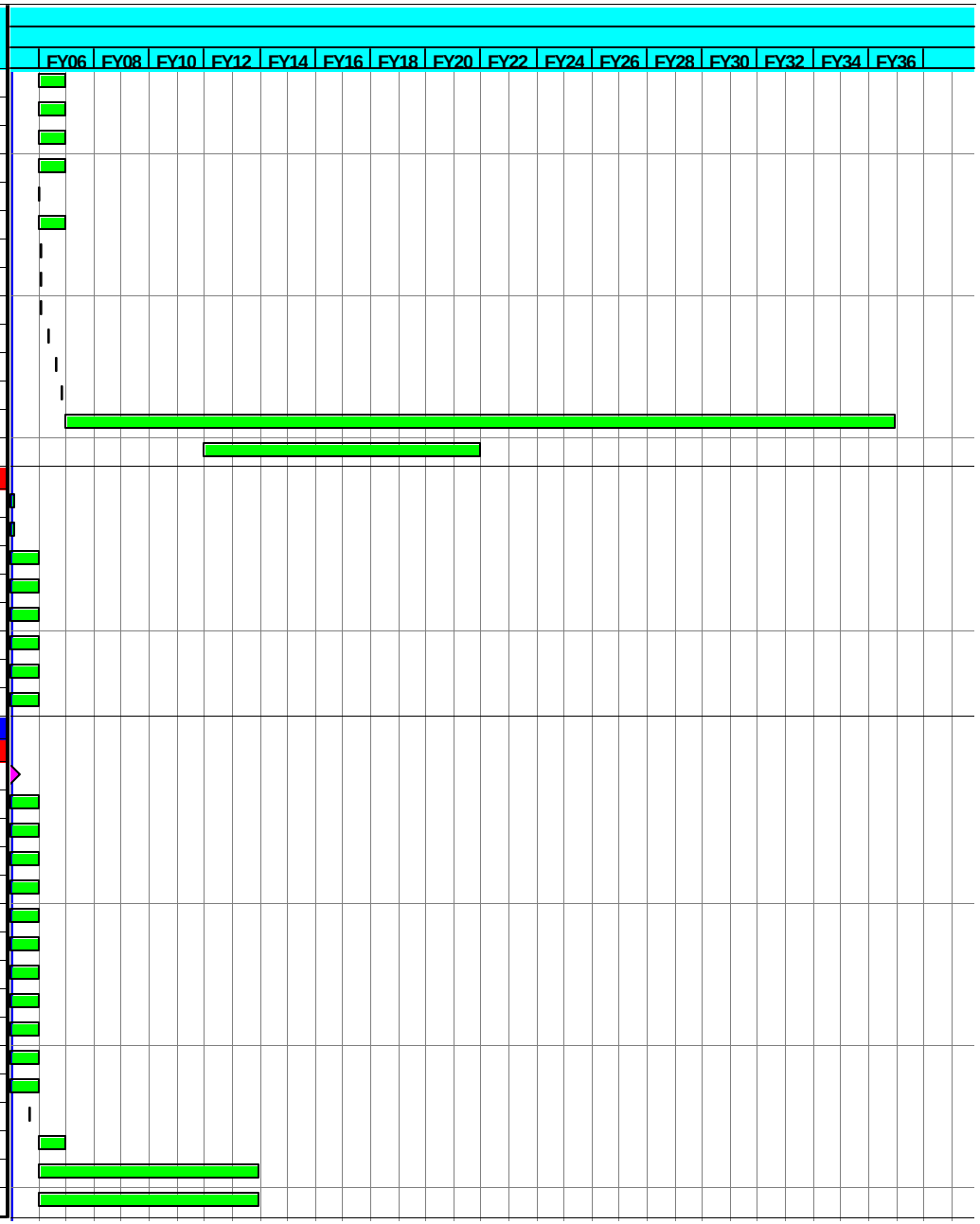
Activity ID	Activity Description	Early Start	Early Finish
4LSTP195	Track and Report Status of STP facility Mileston	01OCT04*	30SEP05
4LSTP200	Provide RCRA/LDR Compliance Support,	01OCT04*	30SEP05
4LSTP205	FFCA and INEEL STP Management	01OCT04*	30SEP05
4LSTP210	Maintain STP QPP	01OCT04*	30SEP05
4LSTP232	FY05 STP Contingency Adjustment	04OCT04*	04OCT04
4LSTP231	FY05 Contingency	04OCT04*	29SEP05
4LSTP235	4TH quarter 2003 STP Meeting	15NOV04*	12NOV04
4LSTP240	Annual STP Update Complete	15NOV04*	12NOV04
4LSTP245	Deliver Annual STP Report to DEQ	15NOV04*	12NOV04
4LSTP250	1ST Quarter 2004 STP Meeting	14FEB05*	11FEB05
4LSTP255	2ND Quarter 2004 STP Meeting	16MAY05*	13MAY05
4LSTP260	3RD Quarter 2004 STP Meeting	15AUG05*	12AUG05
4LSTP265	INEEL STP Management FY2006-FY2035	03OCT05*	28SEP35
4LSTP275	STP Outyear Contingency Adjustment	01OCT10*	30SEP20
HLW Site Treatment Plan			
4LSTP095	Maintain and Update the STP on a quarterly basis	01OCT03	14NOV03
4LSTP100	Prepare Annual Report	01OCT03	14NOV03
4LSTP055	Maintain INEEL Mixed Waste Inventory	01OCT03	30SEP04
4LSTP060	Maintain FFCA/INEEL STP/INEEL STP Consent Order	01OCT03	30SEP04
4LSTP065	Track and Report Status of STP facility Mileston	01OCT03	30SEP04
4LSTP070	Provide RCRA/LDR Compliance Support,	01OCT03	30SEP04
4LSTP075	FFCA and INEEL STP Management	01OCT03	30SEP04
4LSTP080	Maintain STP QPP	01OCT03	30SEP04
Integrated Waste Tracking System			
IWTS Operating Support			
4L3BEG40	Beg LCBL Scope	01OCT03	
4L324X01	Facil Unit Model Mgm	01OCT03	30SEP04
4L324X02	Demo, Policy,Proc Rv	01OCT03	30SEP04
4L324X03	Hot Line Users Spt	01OCT03	30SEP04
4L324X04	TSCA&EPCRA Rpts	01OCT03	30SEP04
4L324X06	Training	01OCT03	30SEP04
4L324X07	Spt Inv Load & Onsit	01OCT03	30SEP04
4L324X08	Facil/Process Spec S	01OCT03	30SEP04
4L324X09	Phys Inventory/Verif	01OCT03	30SEP04
4L324X10	IWTS OPS Proj Suppor	01OCT03	30SEP04
4L324X50	FY04 Contingency	01OCT03	30SEP04
4L324X60	FY04 Contingency Adjustment	01OCT03	30SEP04
4L324X05	Cert & Trng Man U/D	02JUN04*	17JUN04
4L325X60	FY05 Contingency Adjustment	01OCT04*	30SEP05
4L325X01	Facil Unit Model Mgm	01OCT04	28SEP12
4L325X02	Demo, Policy,Proc Rv	01OCT04	28SEP12



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:46

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Sheet 7 of 27

Eliminate MLLW Backlog/Environmental Services

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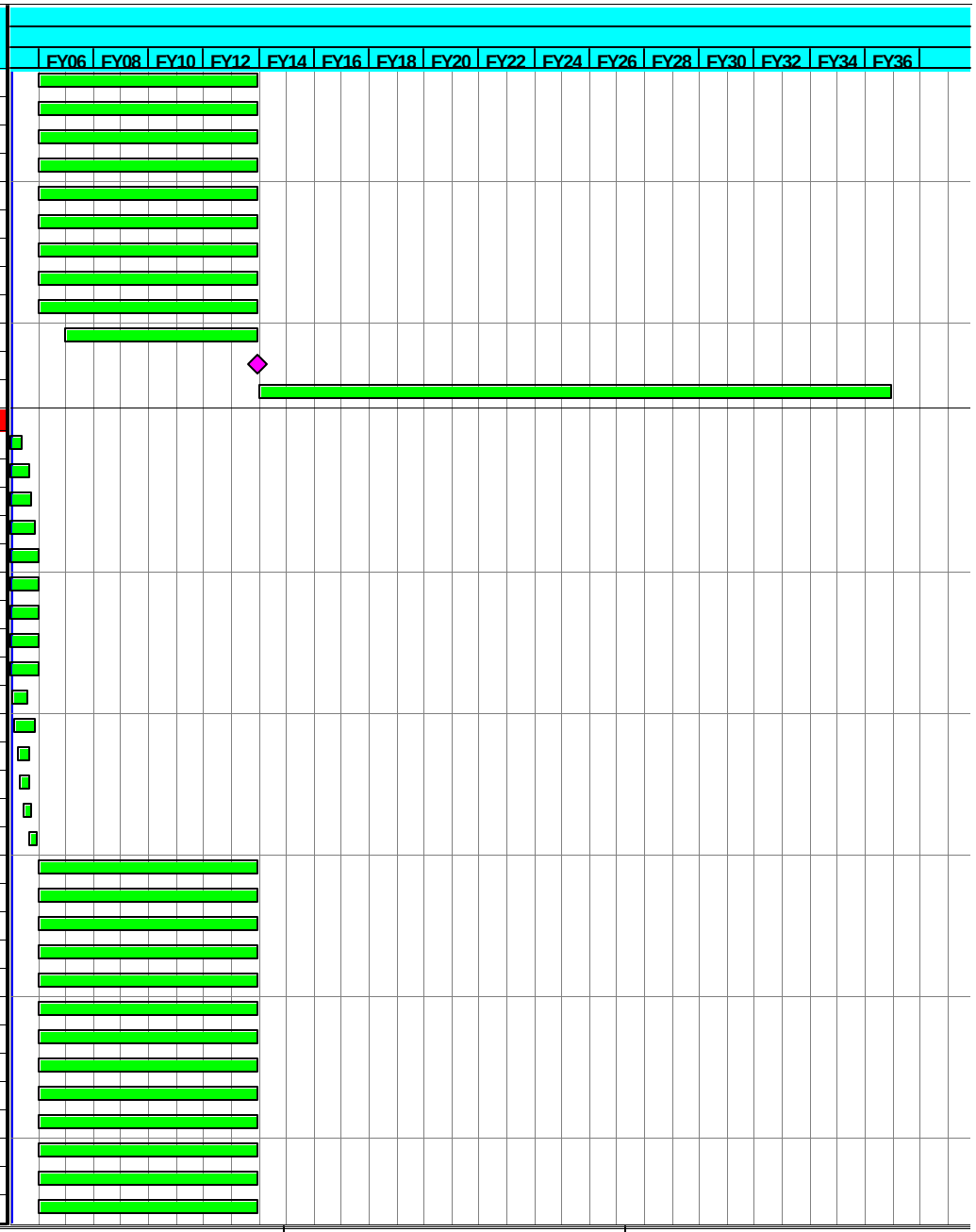
Activity ID	Activity Description	Early Start	Early Finish
4L325X03	Hot Line Users Spt	01OCT04	28SEP12
4L325X04	TSCA&EPCRA Rpts	01OCT04	28SEP12
4L325X05	Cert & Trng Man U/D	01OCT04*	28SEP12
4L325X06	Training	01OCT04	28SEP12
4L325X07	Spt Inv Load & Onsit	01OCT04	28SEP12
4L325X08	Facil/Process Spec S	01OCT04	28SEP12
4L325X09	Phys Inventory/Verif	01OCT04	28SEP12
4L325X10	IWTS OPS Proj Suppor	01OCT04	28SEP12
4L325X50	FY05 - FY12 Contingency	01OCT04	28SEP12
4L325X70	FY06 - FY12 Contingency Adj	03OCT05*	28SEP12
4L3END40	End LCB Scope		28SEP12
4L325X80	FY13 - FY35 IWTS Function	01OCT12	28SEP35
IWTS Software Maintenance Support			
4L324X20	1st Bid SW CR/Req An	01OCT03	05MAR04
4L324X27	Ops &DB Mgmt Sys Upg	01OCT03	28MAY04
4L324X26	Server Upgrade	01OCT03	30JUN04
4L324X31	Test Bed Mem/Drv/Pro	01OCT03	11AUG04
4L324X24	Web Rpt & Maint	01OCT03	30SEP04
4L324X28	Replication Maint.	01OCT03	30SEP04
4L324X29	U/G Tst Bed Ops/DB S	01OCT03	30SEP04
4L324X32	IWTS SW Maint Proj S	01OCT03	30SEP04
4L324X33	SW & HW Documentatio	01OCT03	30SEP04
4L324X21	1st Bld Design & Dev	22OCT03*	07MAY04
4L324X30	Restart/Iss Res/Rese	21NOV03*	20AUG04
4L324X22	1st & 2nd Bld Testi	15JAN04*	28MAY04
4L324X23	1st &3rd Bld SW Depl	06FEB04*	09JUN04
4L324X25	PDA/ITRqmnts/Des/Tst	05APR04*	08JUL04
4L324X34	PSA Requirements Def	16JUN04*	15SEP04
4L325X20	1st Bid SW CR/Req An	01OCT04*	28SEP12
4L325X21	1st Bld Design & Dev	01OCT04*	28SEP12
4L325X22	1st & 2nd Bld Testi	01OCT04*	28SEP12
4L325X23	1st &3rd Bld SW Depl	01OCT04*	28SEP12
4L325X24	Web Rpt & Maint	01OCT04	28SEP12
4L325X25	PDA/ITRqmnts/Des/Tst	01OCT04*	28SEP12
4L325X26	Server Upgrade	01OCT04*	28SEP12
4L325X27	Ops &DB Mgmt Sys Upg	01OCT04*	28SEP12
4L325X28	Replication Maint.	01OCT04	28SEP12
4L325X29	U/G Tst Bed Ops/DB S	01OCT04	28SEP12
4L325X30	Restart/Iss Res/Rese	01OCT04*	28SEP12
4L325X31	Test Bed Mem/Drv/Pro	01OCT04*	28SEP12
4L325X32	IWTS SW Maint Proj S	01OCT04	28SEP12



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
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Sheet 8 of 27

Eliminate MLLW Backlog/Environmental Services

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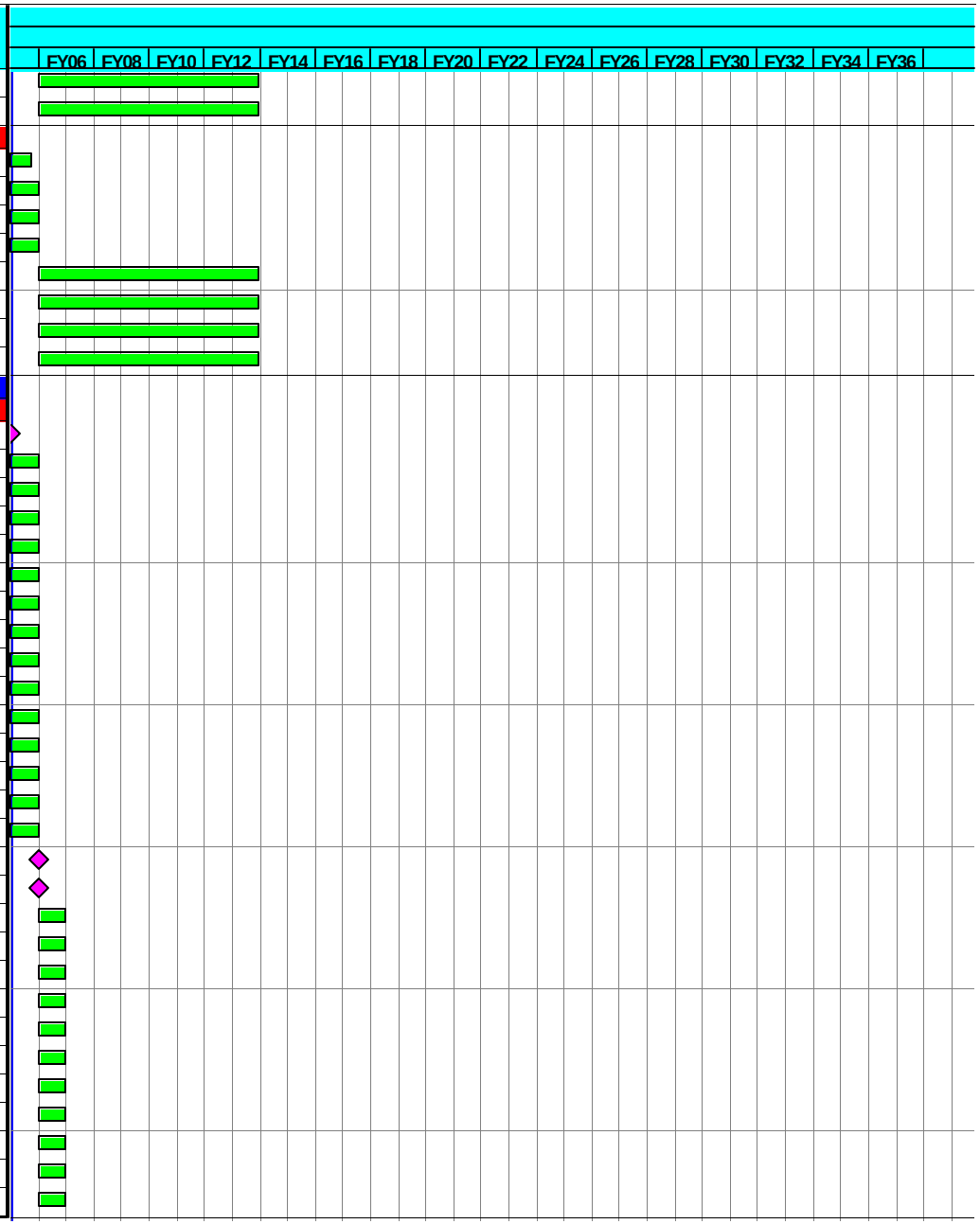
Activity ID	Activity Description	Early Start	Early Finish
4L325X33	SW & HW Documentatio	01OCT04	28SEP12
4L325X34	PSA Requirements Def	01OCT04*	28SEP12
PM & Technical Support			
4L324X43	IDGR Data & Report	01OCT03	09JUL04
4L324X40	Project Management	01OCT03	30SEP04
4L324X41	Technical Support	01OCT03	30SEP04
4L324X42	Tech Demos & Oversig	01OCT03	30SEP04
4L325X40	Project Management	01OCT04	28SEP12
4L325X41	Technical Support	01OCT04	28SEP12
4L325X42	Tech Demos & Oversig	01OCT04	28SEP12
4L325X43	IDGR Data & Report	01OCT04*	28SEP12
Transportation Compliance			
Transportation Compliance			
4L13BEG4	Begin FY04	01OCT03	
4L133070	Super Tiger	01OCT03	27SEP04
4L133100	CNS 14-190	01OCT03	27SEP04
4L133080	125-B	01OCT03	29SEP04
4L133090	CNS1-13CII	01OCT03	29SEP04
4L133110	Shield Bell	01OCT03	29SEP04
4L133000	Project Management	01OCT03	30SEP04
4L133010	Training	01OCT03	30SEP04
4L133020	Review and Update Procedures	01OCT03	30SEP04
4L133030	Driver and Carrier Compliance	01OCT03	30SEP04
4L133040	Assessments	01OCT03	30SEP04
4L133050	Compliance Management	01OCT03	30SEP04
4L133120	Waste Package Mgt and QC	01OCT03	30SEP04
4L133370	FY04 Contingency	01OCT03	30SEP04
4L133400	FY04 Contingency Adjustment	01OCT03*	30SEP04
4L13END4	End FY04		30SEP04
4L13BEG5	Begin FY05	04OCT04	
4L133190	Super Tiger	04OCT04	27SEP05
4L133220	CNS 14-190	04OCT04	27SEP05
4L133130	Project Management	04OCT04*	29SEP05
4L133140	Training	04OCT04	29SEP05
4L133150	Review and Update Procedures	04OCT04	29SEP05
4L133160	Driver and Carrier Compliance	04OCT04	29SEP05
4L133170	Assessments	04OCT04	29SEP05
4L133180	Compliance Management	04OCT04	29SEP05
4L133200	125-B	04OCT04	29SEP05
4L133210	CNS1-13CII	04OCT04	29SEP05
4L133230	Shield Bell	04OCT04	29SEP05



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Finish Date	28SEP35
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Run Date	14APR03 09:47

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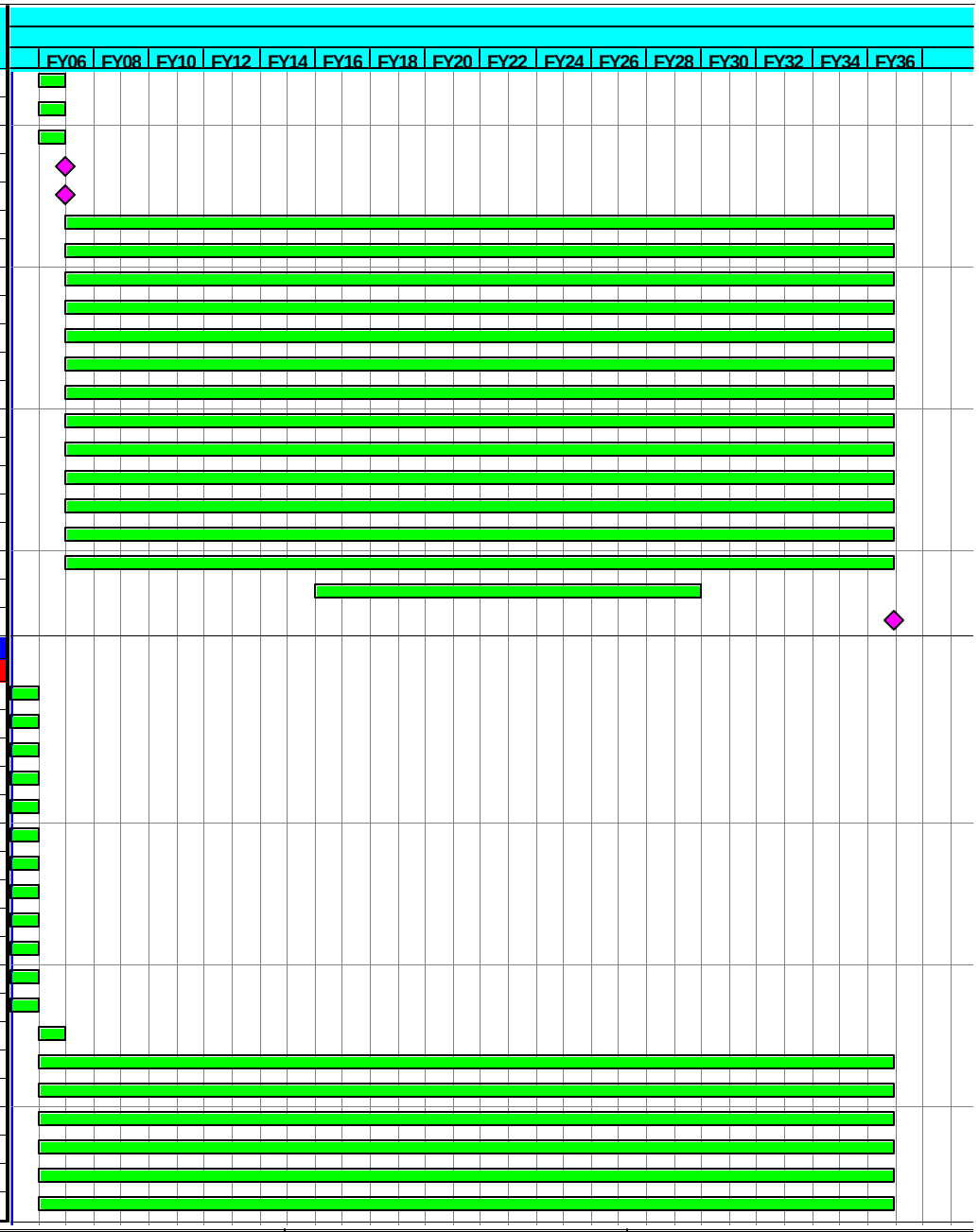
Activity ID	Activity Description	Early Start	Early Finish
4L133240	Waste Package Mgt and QC	04OCT04	29SEP05
4L133380	FY05 Contingency	04OCT04	29SEP05
4L133410	FY05 Contingency Adjustment	04OCT04*	29SEP05
4L13END5	End FY05		29SEP05
4L13BEG6	Begin FY06	03OCT05	
4L133250	Project Management	03OCT05	27SEP35
4L133260	Training	03OCT05	27SEP35
4L133270	Review and Update Procedures	03OCT05	27SEP35
4L133280	Driver and Carrier Compliance	03OCT05	27SEP35
4L133290	Assessments	03OCT05	27SEP35
4L133300	Compliance Management	03OCT05	27SEP35
4L133310	Super Tiger	03OCT05	27SEP35
4L133320	125-B	03OCT05	27SEP35
4L133330	CNS1-13CII	03OCT05	27SEP35
4L133340	CNS 14-190	03OCT05	27SEP35
4L133350	Shield Bell	03OCT05	27SEP35
4L133360	Waste Package Mgt and QC	03OCT05	27SEP35
4L133390	FY06 - FY35 Contingency	03OCT05	27SEP35
4L133420	FY15 - FY25 Contingency Adjust	01OCT14*	28SEP28
4L1END35	End FY2035		27SEP35
ESH&QA Compliance			
ESH&QA Compliance			
4L134000	ES&H Supervision and Oversight	01OCT03	30SEP04
4L134010	Quality Assurance/Metrics	01OCT03	30SEP04
4L134020	Env. Compliance and Oversight	01OCT03	30SEP04
4L134030	Rad Engineering Support	01OCT03	30SEP04
4L134040	Safety and Health Support	01OCT03	30SEP04
4L134050	Packaging & Transportation Records	01OCT03	30SEP04
4L134060	WGS Records	01OCT03	30SEP04
4L134070	Environmental Records	01OCT03	30SEP04
4L134080	WGS Training	01OCT03	30SEP04
4L134090	Waste Acceptance Criteria Documentation	01OCT03	30SEP04
4L134460	FY04 Contingency	01OCT03	30SEP04
4L134560	FY04 Contingency Adjustment	01OCT03*	30SEP04
4L134570	FY05 Contingency Adjustment	04OCT04*	03OCT05
4L134100	ES&H Supervision and Oversight	04OCT04*	27SEP35
4L134110	Quality Assurance/Metrics	04OCT04*	27SEP35
4L134120	Env. Compliance and Oversight	04OCT04*	27SEP35
4L134130	Rad Engineering Support	04OCT04*	27SEP35
4L134140	Safety and Health Support	04OCT04*	27SEP35
4L134150	Packaging & Transportation Records	04OCT04*	27SEP35



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Sheet 10 of 27

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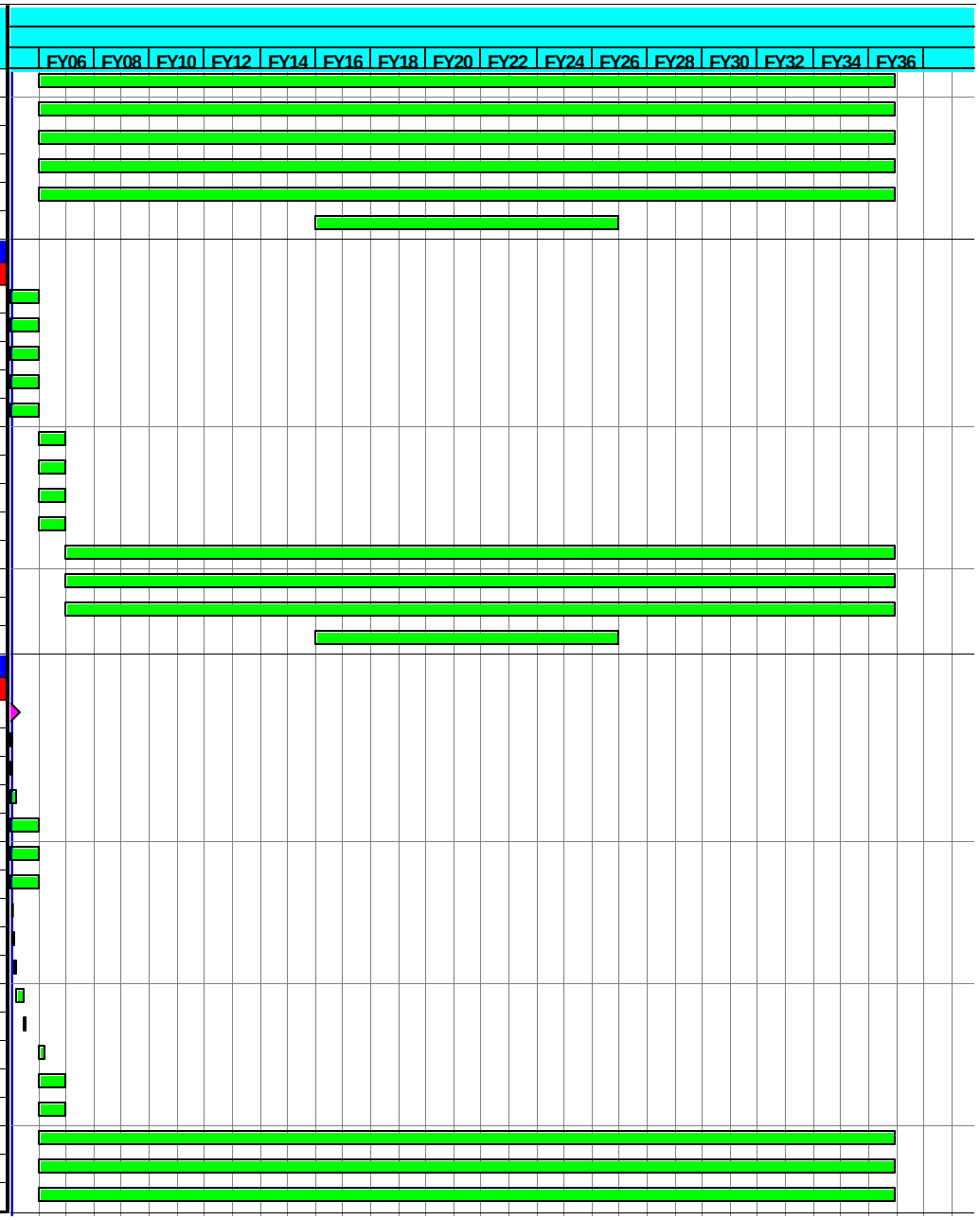
Activity ID	Activity Description	Early Start	Early Finish
4L134160	WGS Records	04OCT04*	27SEP35
4L134170	Environmental Records	04OCT04*	27SEP35
4L134180	WGS Training	04OCT04*	27SEP35
4L134190	Waste Acceptance Criteria Documentation	04OCT04*	27SEP35
4L134470	FY05 - FY35 Contingency	04OCT04*	27SEP35
4L134580	FY15 - FY25 Contingency Adjust	01OCT14*	30SEP25
CPP-1619 Ops & Maintenance			
CPP-1619 Ops & Maintenance			
4L134330	CPP-1619 Operation	01OCT03	30SEP04
4L134340	CPP-1619 Maintenance	01OCT03	30SEP04
4L134390	Modifications to CPP-1619	01OCT03	30SEP04
4L134480	FY04 Contingency	01OCT03	30SEP04
4L134590	FY04 Contingency Adjustment	01OCT03*	30SEP04
4L134350	CPP-1619 Operation	04OCT04	29SEP05
4L134360	CPP-1619 Maintenance	04OCT04	29SEP05
4L134490	FY05 Contingency	04OCT04	29SEP05
4L134600	FY05 Contingency Adjustment	04OCT04*	29SEP05
4L134370	CPP-1619 Operation	03OCT05	27SEP35
4L134380	CPP-1619 Maintenance	03OCT05	27SEP35
4L134500	FY06 - FY35 Contingency	03OCT05	27SEP35
4L134610	FY15 - FY25 Contingency Adjust	01OCT14*	30SEP25
Sitewide LLW Integration			
LLW Technical Planning			
4L686415	Offsite shipment of RH LLW		30SEP03
4L432310	EDF-1591 Work Scope Devment Rev Approval	01OCT03	14OCT03
4L432335	LLW Forecasting Training Review IPABS Sys	01OCT03	21OCT03
4L486405	Draft LLW Offsite Disposal PMP	01OCT03	17DEC03
4L432305	Cond Project Engineering & Sppt Activities	01OCT03	30SEP04
4L686425	FY04 Contingency	01OCT03*	30SEP04
4L686745	FY04 Contingency Adjustment	01OCT03*	30SEP04
4L432320	Revise Generator Reporting Forms	15OCT03	28OCT03
4L432315	Generator Contacting	29OCT03	25NOV03
4L432325	Sppt Generators During Data Compilation	26NOV03	10DEC03
4L432330	Evaluate Generator Waste Forecasts	11DEC03	18MAR04
4L432340	Technical Evaluation and EDF-1591 Revision	22MAR04	15APR04
4L586405	Draft LLW Offsite Disposal PMP	04OCT04*	20DEC04
4L686435	FY05 Contingency	04OCT04*	29SEP05
4L686755	FY05 Contingency Adjustment	04OCT04*	29SEP05
4L532305	Cond Project Engineering & Sppt Activities	04OCT04	27SEP35
4L532310	EDF-1591 Work Scope Devment Rev Approval	04OCT04	27SEP35
4L532315	Generator Contacting	04OCT04	27SEP35



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Lifecycle Baseline

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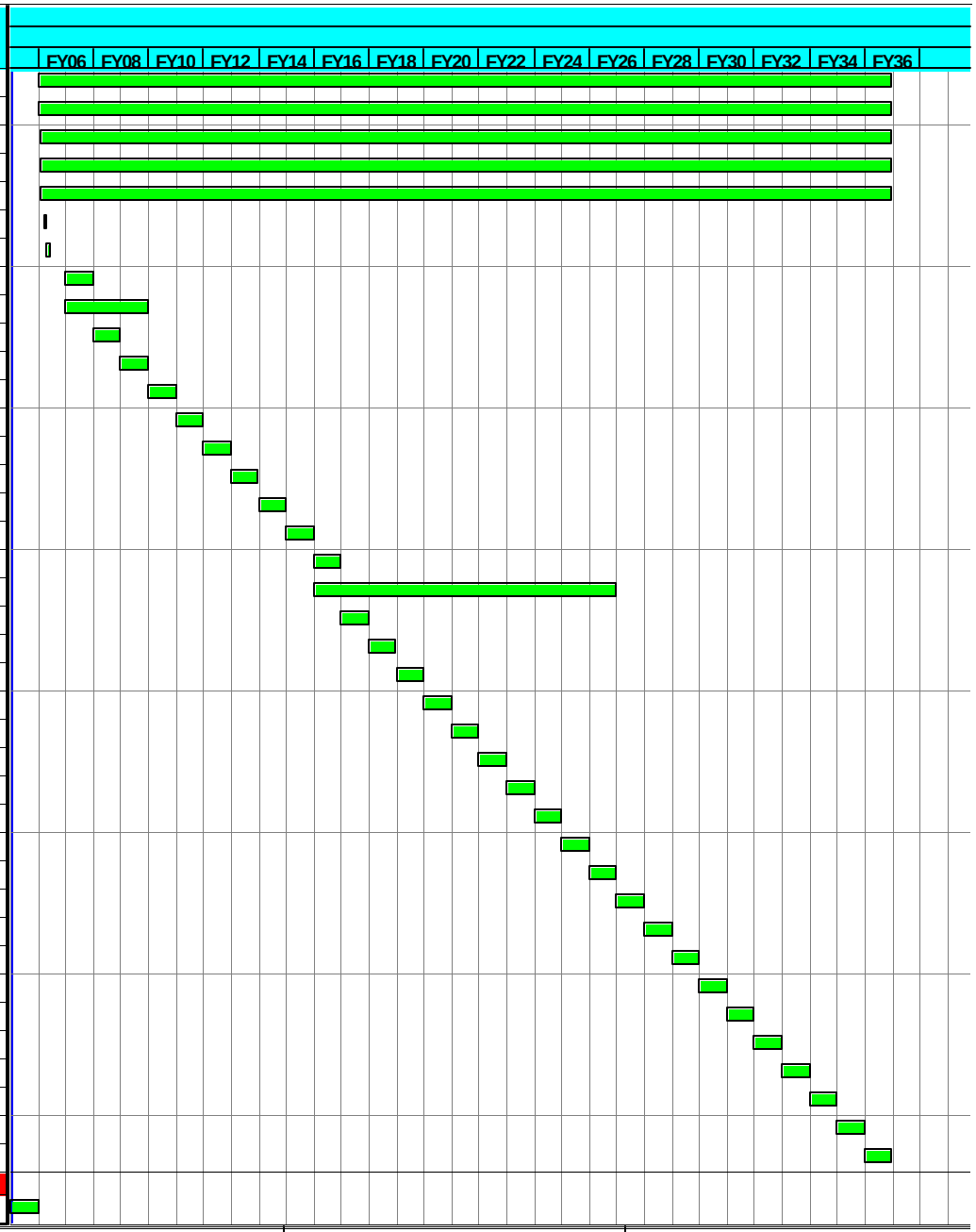
Activity ID	Activity Description	Early Start	Early Finish
4L532320	Revise Generator Reporting Forms	04OCT04	27SEP35
4L532335	LLW Forecasting Training Review IPABS Sys	04OCT04	27SEP35
4L532325	Sppt Generators During Data Compilation	08NOV04	27SEP35
4L532330	Evaluate Generator Waste Forecasts	08NOV04	27SEP35
4L532340	Technical Evaluation and EDF-1591 Revision	08NOV04	27SEP35
4L586410	Review Draft LLW Offsite Disposal PMP	04JAN05	17JAN05
4L586415	Incorp. Rev. Comment in LLW Off.Dis. PMP	18JAN05	24FEB05
4L686445	FY06 Contingency	03OCT05*	28SEP06
4L686405	Draft LLW Offsite Disposal PMP	03OCT05*	30SEP08
4L686455	FY07 Contingency	02OCT06*	27SEP07
4L686465	FY08 Contingency	01OCT07*	30SEP08
4L686475	FY09 Contingency	01OCT08*	30SEP09
4L686485	FY10 Contingency	01OCT09*	30SEP10
4L686495	FY11 Contingency	04OCT10*	29SEP11
4L686505	FY12 Contingency	03OCT11	27SEP12
4L686515	FY13 Contingency	01OCT12	30SEP13
4L686525	FY14 Contingency	01OCT13	30SEP14
4L686535	FY15 Contingency	01OCT14	30SEP15
4L686765	FY15 - FY25 Contingency Adjustment	01OCT14*	30SEP25
4L686545	FY16 Contingency	01OCT15	29SEP16
4L686555	FY17 Contingency	03OCT16	28SEP17
4L686565	FY18 Contingency	02OCT17	27SEP18
4L686575	FY19 Contingency	01OCT18	30SEP19
4L686585	FY20 Contingency	01OCT19	30SEP20
4L686595	FY21 Contingency	01OCT20	30SEP21
4L686605	FY22 Contingency	04OCT21	29SEP22
4L686615	FY23 Contingency	03OCT22	28SEP23
4L686625	FY24 Contingency	02OCT23	30SEP24
4L686635	FY25 Contingency	01OCT24	30SEP25
4L686645	FY26 Contingency	01OCT25	30SEP26
4L686655	FY27 Contingency	01OCT26	30SEP27
4L686665	FY28 Contingency	04OCT27	28SEP28
4L686675	FY29 Contingency	02OCT28	27SEP29
4L686685	FY30 Contingency	01OCT29	30SEP30
4L686695	FY31 Contingency	01OCT30	30SEP31
4L686705	FY32 Contingency	01OCT31	30SEP32
4L686715	FY33 Contingency	04OCT32	29SEP33
4L686725	FY34 Contingency	03OCT33	28SEP34
4L686735	FY35 Contingency	02OCT34	27SEP35
Offsite LLW Disposal Support			
4L999100	WCOWPC	01OCT03	30SEP04



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Eliminate MLLW Backlog/Environmental Services

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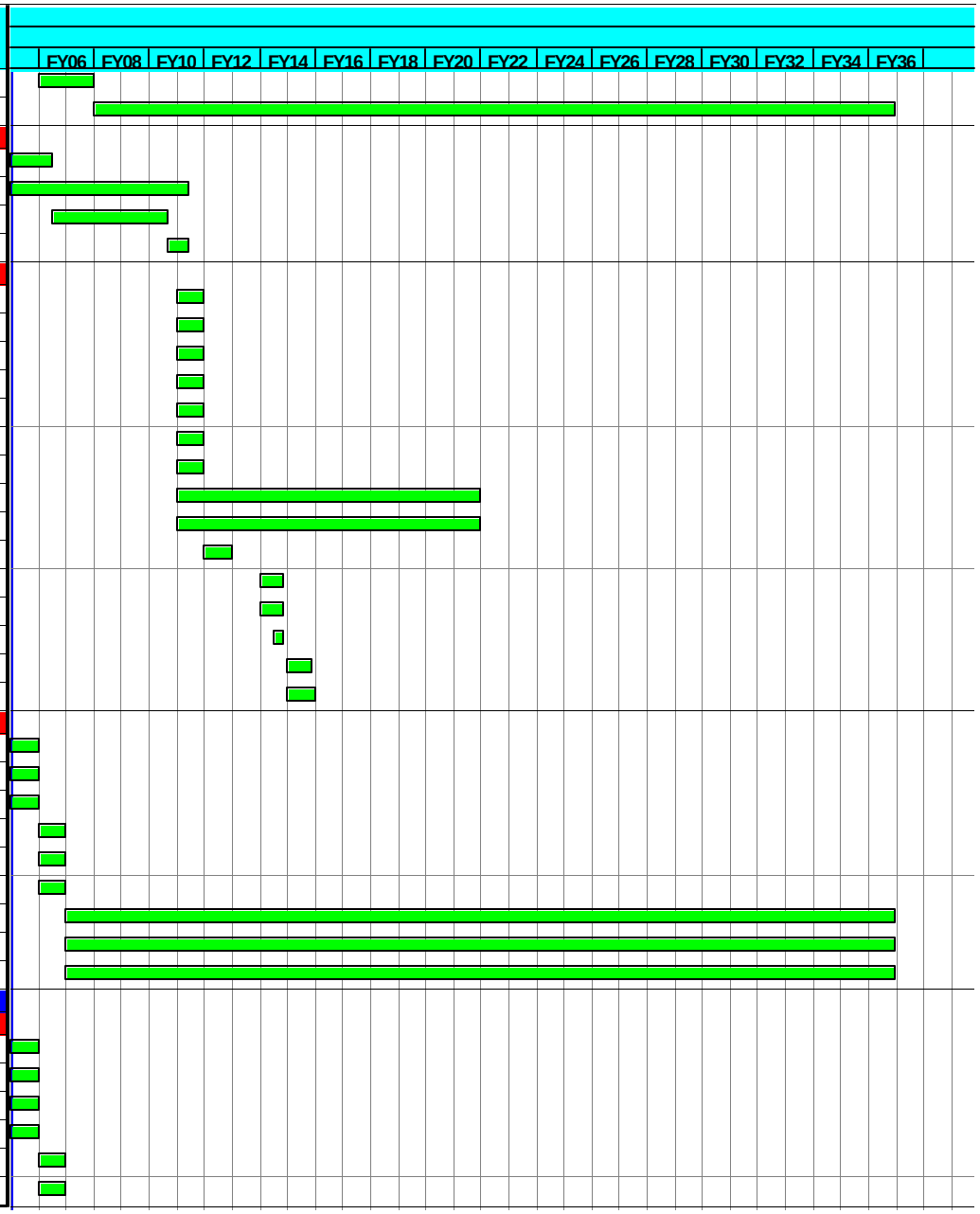
Activity ID	Activity Description	Early Start	Early Finish
4L999105	WCOWPC	04OCT04	28SEP06
4L999110	WCOWPC	02OCT06	27SEP35
1 m3 RH-LLW Shipping Cask Procurement			
4L999235	Project start (Requirements, Bid & Award Operati	01OCT03	30MAR05
4L999250	Project Management	01OCT03	25FEB10
4L999240	Cask Procurement Subcontract (Design, NRC Licens	31MAR05	27MAY09
4L999245	Project Acceptance/Closeout (Cask reciept, dry-r	28MAY09	24FEB10
RWMC LLW Disposal Pit Closure & Transition			
4L483450	Finalize Closure Plan	01OCT09*	28SEP10
4L483430	Draft Final PA/CA	01OCT09*	30SEP10
4L483435	Sensitivity / Uncertainty Analysis	01OCT09	30SEP10
4L4A3360	Install Monitoring Stations as Necessary -PRG	01OCT09	30SEP10
4L4A3361	Install Monitoring Stations as Necessary -OPS	01OCT09	30SEP10
4L4A3362	Complete Instrumentation for Row 6 - PRG	01OCT09*	30SEP10
4L4A3363	Complete Instrumentation for Row 6 - OPS	01OCT09*	30SEP10
4L483445	Transition Support	01OCT09*	30SEP20
4L4A4320	Verification and Validation	01OCT09	30SEP20
4L483440	Final Review / Complete PA/CA	04OCT10	28SEP11
4L4D3380	Document Corrosion Retrieval Task - PRG	01OCT12*	20AUG13
4LD43381	Document Corrosion Retrieval Task - OPS	01OCT12*	20AUG13
4L4D3385	Berm Preparation - PRG	15APR13*	15AUG13
4L4D3375	Corrosion Retrieval Task Training - PRG	01OCT13*	19AUG14
4L483404	Retrieve Corrosion Coupons	01OCT13*	30SEP14
Waste Disposal & Landfill Project Management			
4L4M1110	LLW Project/CAWP Management	01OCT03	30SEP04
4L4M1130	LLW PCE Support	01OCT03	30SEP04
4L4M1140	NRF LLW Disposal Support	01OCT03	30SEP04
4L5M1110	LLW Project/CAWP Management	04OCT04	29SEP05
4L5M1130	LLW PCE Support	04OCT04	03OCT05
4L5M1140	NRF LLW Disposal Support	04OCT04	03OCT05
4L6M1110	LLW Project/CAWP Management	03OCT05	27SEP35
4L6M1130	LLW PCE Support	04OCT05	27SEP35
4L6M1140	NRF LLW Disposal Support	04OCT05	27SEP35
Hazardous Waste Integration			
Hazardous Waste Integration			
4L134220	HW Disposal Contract Coordination	01OCT03	30SEP04
4L134230	HW Project Management	01OCT03	30SEP04
4L134510	FY04 Contingency	01OCT03	30SEP04
4L134620	FY04 Contingency Adjustment	01OCT03*	30SEP04
4L134240	HW Disposal Contract Coordination	04OCT04	29SEP05
4L134250	HW Project Management	04OCT04	29SEP05



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
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CJC2 Sheet 13 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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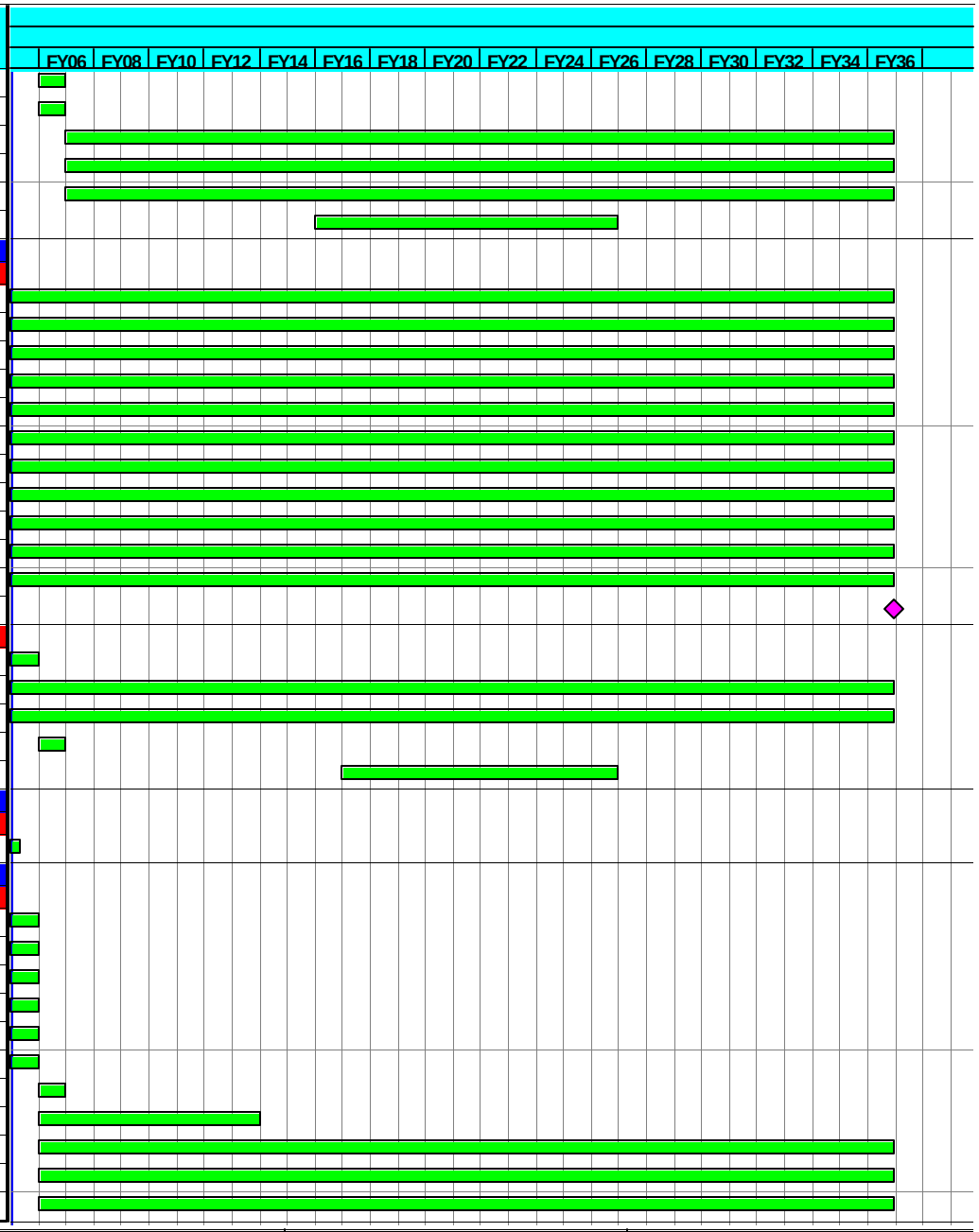
Activity ID	Activity Description	Early Start	Early Finish
4L134520	FY05 Contingency	04OCT04	29SEP05
4L134630	FY05 Contingency Adjustment	04OCT04*	29SEP05
4L134260	HW Disposal Contract Coordination	03OCT05*	27SEP35
4L134270	HW Project Management	03OCT05*	27SEP35
4L134530	FY06 - FY35 Contingency	03OCT05	27SEP35
4L134640	FY15 - FY25 Contingency Adjust	01OCT14*	30SEP25
Sampling			
SAM Recovery			
4LW51030	Management, Admin & Support	01OCT03	28SEP35
4LW51040	Radiochemistry, Organic, Inorganic Tech Supp	01OCT03	28SEP35
4LW51050	National Support	01OCT03	28SEP35
4LW51060	Validate data, contract prep & maint	01OCT03	28SEP35
4LW51070	Lab Performance Eval Program	01OCT03	28SEP35
4LW51080	SAM Data Management	01OCT03	28SEP35
4LW51090	SAM Training	01OCT03	28SEP35
4LW51100	IEMDS Data Entry Upgrades	01OCT03	28SEP35
4LW51110	IEDMS Internet Web Interfaces	01OCT03	28SEP35
4LW51120	IEDMS Maintenance & End User Support	01OCT03	28SEP35
4LW51130	SAM Recovery	01OCT03	28SEP35
4LW51020	End Sampling		28SEP35
Sampling			
4LW51160	Fy04 Contingency Reduction	01OCT03*	30SEP04
4LW51140	WGS Sampling Oversight	01OCT03	27SEP35
4LW51150	Lifecycle Contingency	01OCT03	27SEP35
4LW51170	Fy05 Contingency Reduction	04OCT04*	29SEP05
4LW51180	Outyear Contingency Adjustment	01OCT15*	30SEP25
LLW Vaults			
LLW Vaults			
4L090005	GPP Vault Closeout	01OCT03	12FEB04
Program Management			
Program Management			
4L134200	Program Management	01OCT03	30SEP04
4L134280	Pollution Prevention	01OCT03	30SEP04
4L134400	IWTS Support	01OCT03	30SEP04
4L134420	MLLW PM	01OCT03	30SEP04
4L134540	FY04 Contingency	01OCT03	30SEP04
4L134650	FY04 Contingency Adjustment	01OCT03*	30SEP04
4L134660	FY05 Contingency Adjustment	04OCT04*	29SEP05
4L134430	MLLW PM	04OCT04*	01OCT12
4L134210	Program Management	04OCT04	27SEP35
4L134290	Pollution Prevention	04OCT04	27SEP35
4L134410	IWTS Support	04OCT04	27SEP35



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Progress Bar
Critical Activity

CJC2

Sheet 14 of 27

Eliminate MLLW Backlog/Environmental Services

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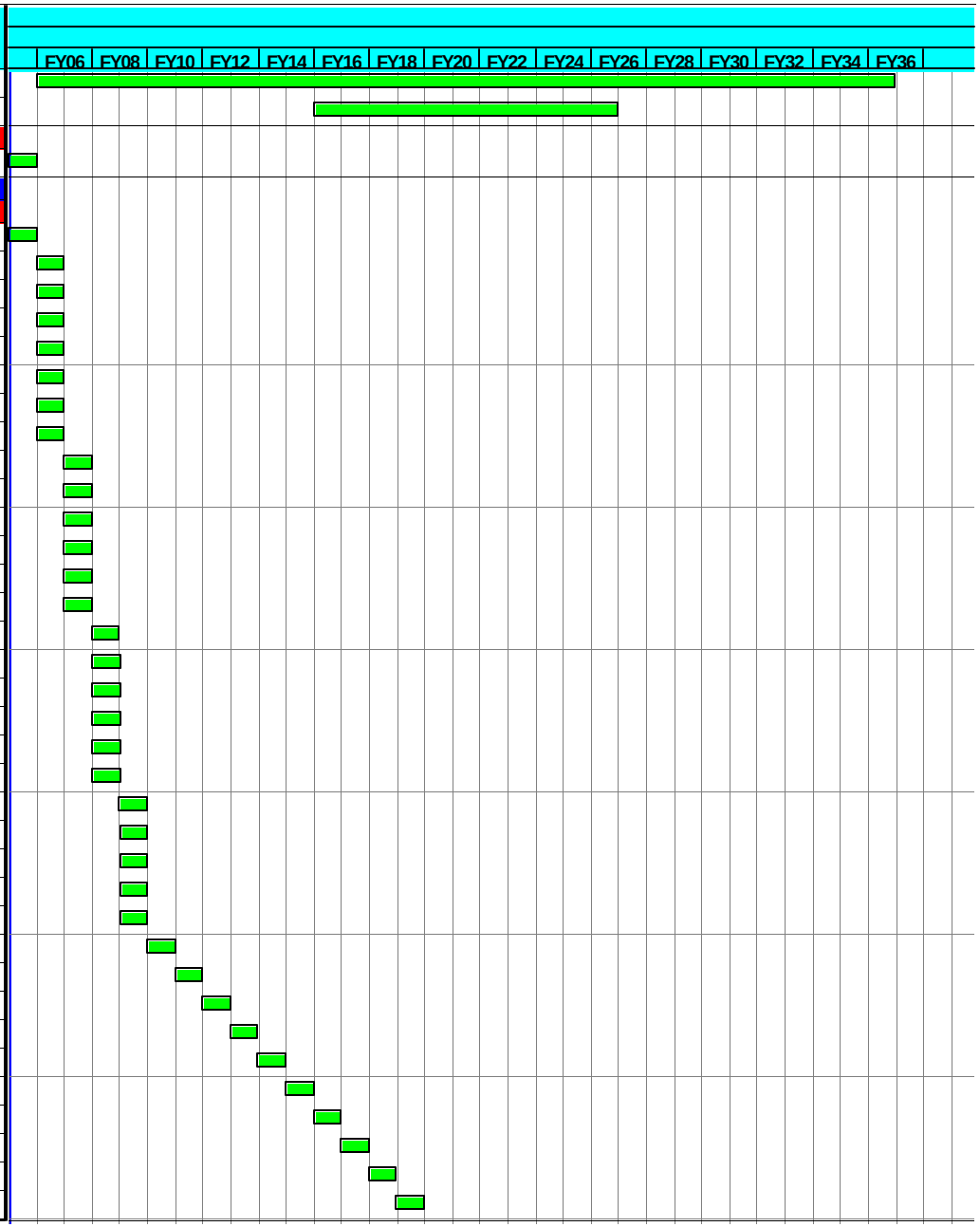
Activity ID	Activity Description	Early Start	Early Finish
4L134550	FY05 - FY35 Contingency	04OCT04	27SEP35
4L134670	FY15 - FY25 Contingency Adjust	01OCT14*	30SEP25
P&C Support (FY04)			
4L134450	P&C Support	01OCT03	30SEP04
LLW Disposal Recovery Account			
CH-LLW Offsite Disposal Support			
4L999171	FY04 Negative Adjustment Activity	01OCT03	28SEP04
4L999181	FY05 Negative Adjustment Activity	29SEP04	27SEP05
4L999135	920 m3 Disposal at Envirocare	04OCT04	03OCT05
4L999140	920 m3 Transportation to Envirocare	04OCT04	03OCT05
4L999145	80 m3 Disposal to NTS	04OCT04	03OCT05
4L999150	80 m3 Transportation to NTS	04OCT04	03OCT05
4L999155	Work Package Management	04OCT04	03OCT05
4L999170	160 m3 Disposal at NTS	04OCT04	03OCT05
4L999206	FY06 Negative Adjustment Activity	28SEP05	26SEP06
4L999160	1840 m3 Disposal at Envirocare	04OCT05	03OCT06
4L999165	1840 m3 Transportation to Envirocare	04OCT05	03OCT06
4L999175	160 m3 Transportation to NTS	04OCT05	03OCT06
4L999180	Work Package Management	04OCT05	03OCT06
4L999195	240 m3 Disposal at NTS	04OCT05	03OCT06
4L999231	FY07 Negative Adjustment Activity	27SEP06	25SEP07
4L999185	2760 m3 Disposal at Envirocare	04OCT06	02OCT07
4L999190	2760 m3 Transportation to Envirocare	04OCT06	02OCT07
4L999200	240 m3 Transportation to NTS	04OCT06	02OCT07
4L999205	Work Package Management	04OCT06	02OCT07
4L999220	320 m3 Disposal at NTS	04OCT06	02OCT07
4L999232	FY08 Negative Adjustment Activity	26SEP07	25SEP08
4L999210	3680 m3 Disposal at Envirocare	03OCT07	29SEP08
4L999215	3680 m3 Transportation to Envirocare	03OCT07	29SEP08
4L999225	320 m3 Transportation to NTS	03OCT07	29SEP08
4L999230	Work Package Management	03OCT07	29SEP08
4L999233	FY09 Negative Adjustment Activity	29SEP08	28SEP09
4L999234	FY10 Negative Adjustment Activity	29SEP09	28SEP10
4L999255	FY11 Negative Adjustment Activity	29SEP10	27SEP11
4L999256	FY12 Negative Adjustment Activity	28SEP11	25SEP12
4L999257	FY13 Negative Adjustment Activity	26SEP12	25SEP13
4L999258	FY14 Negative Adjustment Activity	26SEP13	25SEP14
4L999259	FY15 Negative Adjustment Activity	29SEP14	28SEP15
4L999260	FY16 Negative Adjustment Activity	29SEP15	27SEP16
4L999261	FY17 Negative Adjustment Activity	28SEP16	26SEP17
4L999262	FY18 Negative Adjustment Activity	27SEP17	25SEP18



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Progress Bar
Critical Activity

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Eliminate MLLW Backlog/Environmental Services

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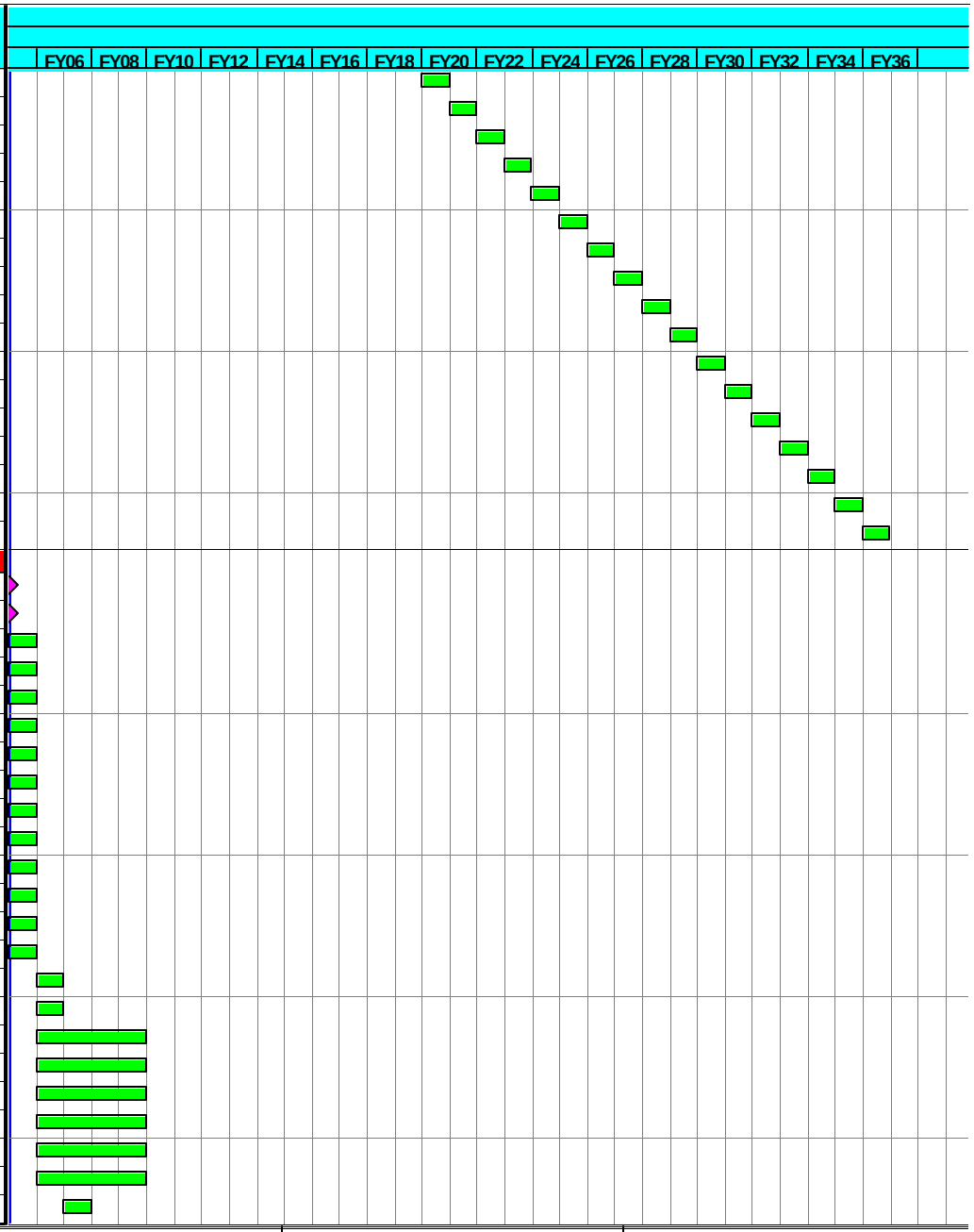
Activity ID	Activity Description	Early Start	Early Finish
4L999263	FY19 Negative Adjustment Activity	26SEP18	25SEP19
4L999264	FY20 Negative Adjustment Activity	26SEP19	28SEP20
4L999265	FY21 Negative Adjustment Activity	29SEP20	28SEP21
4L999266	FY22 Negative Adjustment Activity	29SEP21	27SEP22
4L999267	FY23 Negative Adjustment Activity	28SEP22	26SEP23
4L999268	FY24 Negative Adjustment Activity	27SEP23	25SEP24
4L999269	FY25 Negative Adjustment Activity	26SEP24	25SEP25
4L999270	FY26 Negative Adjustment Activity	29SEP25	28SEP26
4L999271	FY27 Negative Adjustment Activity	29SEP26	28SEP27
4L999272	FY28 Negative Adjustment Activity	29SEP27	26SEP28
4L999273	FY29 Negative Adjustment Activity	27SEP28	25SEP29
4L999274	FY30 Negative Adjustment Activity	26SEP29	25SEP30
4L999275	FY31 Negative Adjustment Activity	26SEP30	25SEP31
4L999276	FY32 Negative Adjustment Activity	29SEP31	28SEP32
4L999277	FY33 Negative Adjustment Activity	29SEP32	27SEP33
4L999278	FY34 Negative Adjustment Activity	28SEP33	26SEP34
4L999279	FY35 Negative Adjustment Activity	27SEP34	25SEP35
RWMC LLW Disposal Operations			
4L4D1240	Discontinue CH-LLW at RWMC		30SEP03
4L4D1250	Discontinue RH-LLW at RWMC		30SEP03
4L481200	LLW Contact Handled Waste Disposal	01OCT03	30SEP04
4L481210	LLW Disposal Equipment Rental	01OCT03	30SEP04
4L481215	LLW Disposal Engineering	01OCT03	30SEP04
4L481220	LLW Hoisting and Rigging	01OCT03	30SEP04
4L481230	LLW Administrative Support	01OCT03	30SEP04
4L481240	LLW Disposal Operations Work Package Management	01OCT03	30SEP04
4L481245	LLW Disposal Operations Training	01OCT03	30SEP04
4L481250	LLW RH EM Disposal Ops Cost Recovery	01OCT03	30SEP04
4L481255	LLW RH Non EM Disposal Ops Cost Recovery	01OCT03	30SEP04
4L481260	LLW CH EM Disposal Ops Cost Recovery	01OCT03	30SEP04
4L481265	LLW CH Non EM Disposal Ops Cost Recovery	01OCT03	30SEP04
4L481270	LLW Remote Handled Waste Disposal	01OCT03	30SEP04
4L481201	LLW Contact Handled Waste Disposal	04OCT04	29SEP05
4L481272	LLW Remote Handled Waste Disposal	04OCT04	29SEP05
4L481212	LLW Disposal Equipment Rental	04OCT04	30SEP08
4L481217	LLW Disposal Engineering	04OCT04	30SEP08
4L481222	LLW Hoisting and Rigging	04OCT04	30SEP08
4L481232	LLW Administrative Support	04OCT04	30SEP08
4L481242	LLW Disposal Operations Work Package Management	04OCT04	30SEP08
4L481247	LLW Disposal Operations Training	04OCT04	30SEP08
4L481202	LLW Contact Handled Waste Disposal	03OCT05	28SEP06



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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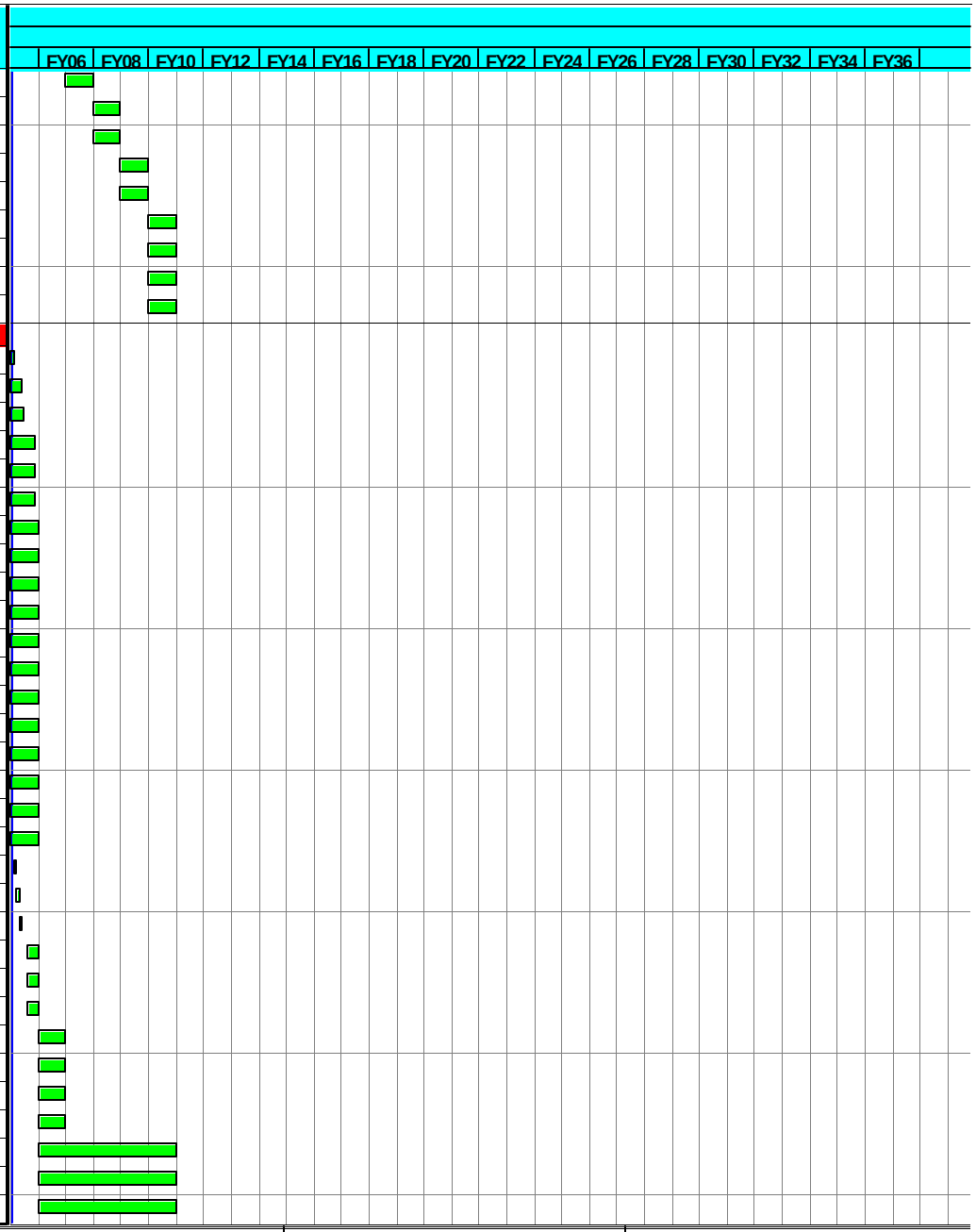
Activity ID	Activity Description	Early Start	Early Finish
4L481274	LLW Remote Handled Waste Disposal	03OCT05	28SEP06
4L481203	LLW Contact Handled Waste Disposal	02OCT06	27SEP07
4L481276	LLW Remote Handled Waste Disposal	02OCT06	27SEP07
4L481204	LLW Contact Handled Waste Disposal	01OCT07	25SEP08
4L481278	LLW Remote Handled Waste Disposal	01OCT07	30SEP08
4L4D1210	LLW Disposal Equipment Rental	01OCT08	30SEP09
4L4D1215	LLW Disposal Engineering	01OCT08	30SEP09
4L4D1220	LLW Hoisting and Rigging	01OCT08	30SEP09
4L4D1230	LLW Administrative Support	01OCT08	30SEP09
RWMC LLW Disposal Authorization			
4L483305	Compile PA/CA Data	01OCT03	19NOV03
4L483355	DWP/LCB Preparation	01OCT03	24FEB04
4L483325	Prepare Ann PA/CA Reviews	01OCT03	30MAR04
4L483375	Corrosion Retrieval Task Training - PRG	01OCT03	19AUG04
4L483380	Document Corrosion Retrieval Task - PRG	01OCT03	19AUG04
4L483381	Document Corrosion Retrieval Task - OPS	01OCT03	19AUG04
4L483330	Maintain DAS and PA/CA Reports	01OCT03	30SEP04
4L483345	Address Requests from DOE	01OCT03	30SEP04
4L483350	DAS/ER/Research Integration	01OCT03	30SEP04
4L483360	Install Monitoring Stations as Necessary -PRG	01OCT03	30SEP04
4L483361	Install Monitoring Stations as Necessary -OPS	01OCT03	30SEP04
4L483365	Coll Monit Data (sample, analyze, and re	01OCT03	30SEP04
4L483370	DAS Control Acct & Work Package Management	01OCT03	30SEP04
4L483400	Retrieve Corrosion Coupons	01OCT03	30SEP04
4L483405	Core/ Sample Column Experiment	01OCT03	30SEP04
4L483410	Draft PA/CA Revision	01OCT03	30SEP04
4L483415	Sensitivity / Uncertainty Analysis	01OCT03	30SEP04
4L484320	Verification and Validation	01OCT03	30SEP04
4L483310	Sum, Conc & Recomm from Ongoing Data Co	20NOV03	16DEC03
4L483315	CA of Proj'd and Actual Waste Vols and Rad	17DEC03	21JAN04
4L483320	Determ the Comb'd Adeq of the PA and CA	22JAN04	25FEB04
4L483362	Complete Instrumentation for Row 2 - PRG	03MAY04	30SEP04
4L483363	Complete Instrumentation for Row 2 - OPS	03MAY04	30SEP04
4L483385	Berm Preparation - PRG	25MAY04	28SEP04
4L453360	Install Monitoring Stations as Necessary -PRG	04OCT04	28SEP05
4L453361	Install Monitoring Stations as Necessary -OPS	04OCT04	28SEP05
4L483420	Maintenance Plan Revision	04OCT04	28SEP05
4L483425	PA/CA Review and Finalize	04OCT04	28SEP05
4L454320	Verification and Validation	04OCT04	30SEP09
4L483307	Compile PA/CA Data	04OCT04*	30SEP09
4L483312	Sum, Conc & Recomm from Ongoing Data Co	04OCT04	30SEP09



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2 Sheet 17 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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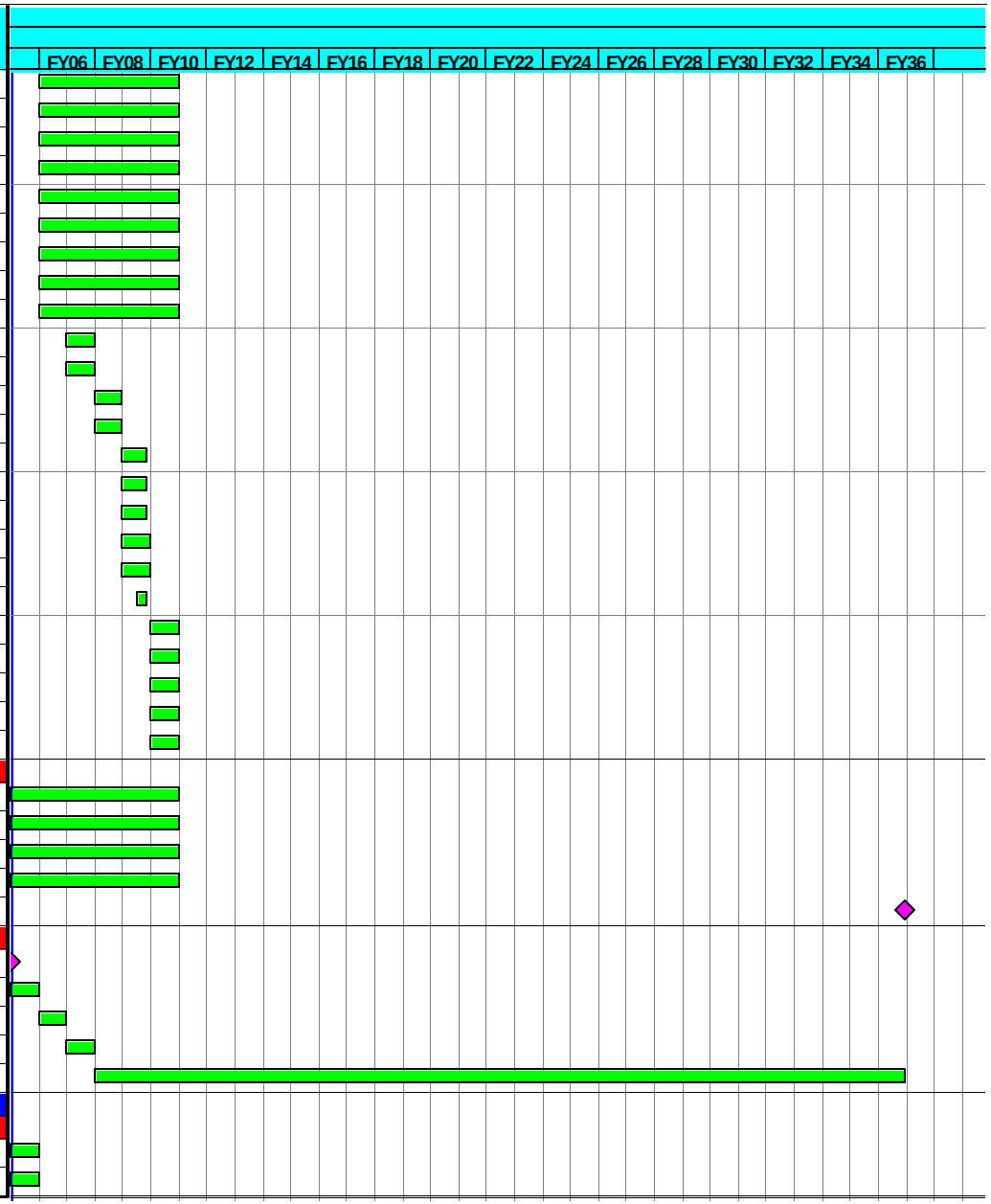
Activity ID	Activity Description	Early Start	Early Finish
4L483317	CA of Proj'd and Actual Waste Vols and Rad	04OCT04	30SEP09
4L483322	Determ the Comb'd Adeq of the PA and CA	04OCT04	30SEP09
4L483327	Prepare Ann PA/CA Reviews	04OCT04*	30SEP09
4L483332	Maintain DAS and PA/CA Reports	04OCT04	30SEP09
4L483347	Address Requests from DOE	04OCT04	30SEP09
4L483352	DAS/ER/Research Integration	04OCT04	30SEP09
4L483357	DWP/LCB Preparation	04OCT04*	30SEP09
4L483367	Coll Monit Data (sample, analyze, and re	04OCT04	30SEP09
4L483372	DAS Control Acct & Work Package Management	04OCT04	30SEP09
4L463362	Complete Instrumentation for Row 3 - PRG	03OCT05*	28SEP06
4L463363	Complete Instrumentation for Row 3 - OPS	03OCT05*	28SEP06
4L473360	Install Monitoring Stations as Necessary -PRG	02OCT06*	27SEP07
4L473361	Install Monitoring Stations as Necessary -OPS	02OCT06*	27SEP07
4L483875	Corrosion Retrieval Task Training - PRG	01OCT07*	18AUG08
4L483880	Document Corrosion Retrieval Task - PRG	01OCT07*	18AUG08
4L483881	Document Corrosion Retrieval Task - OPS	01OCT07*	18AUG08
4L483863	Complete Instrumentation for Row 4 - OPS	01OCT07*	30SEP08
4L488362	Complete Instrumentation for Row 4 - PRG	01OCT07*	30SEP08
4L483885	Berm Preparation - PRG	14APR08*	13AUG08
4L483402	Retrieve Corrosion Coupons	01OCT08*	30SEP09
4L493360	Install Monitoring Stations as Necessary -PRG	01OCT08*	30SEP09
4L493361	Install Monitoring Stations as Necessary -OPS	01OCT08*	30SEP09
4L493362	Complete Instrumentation for Row 5 - PRG	01OCT08*	30SEP09
4L493363	Complete Instrumentation for Row 5 - OPS	01OCT08*	30SEP09
RWMC LLW Disposal Maintenance			
4L421105	LLW Disposal SSC Management	01OCT03	30SEP09
4L421115	LLW Disposal Fleet Rental and Repair	01OCT03	30SEP09
4L421150	LLW Disposal Maintenance RWMC Admin. Support	01OCT03	30SEP09
4L421155	LLW Disposal Maintenance WP Management	01OCT03	30SEP09
4L4END40	Complete LCBL LLW Scope		27SEP35
Staging/Shipping Facility Operations Startup			
4L4BEG40	Begin LCBL LLW Scope	01OCT03	
4L999115	Operational Support	01OCT03	30SEP04
4L999120	Operational Support	04OCT04	29SEP05
4L999125	Operational Support	03OCT05	28SEP06
4L999130	Operational Support	02OCT06	27SEP35
Consolidated LLW Staging & Shipping Facility			
Project Development			
4L425150	Project Development	01OCT03	30SEP04
4L425155	Project Execution	01OCT03	30SEP04



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2 Sheet 18 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

INEEL
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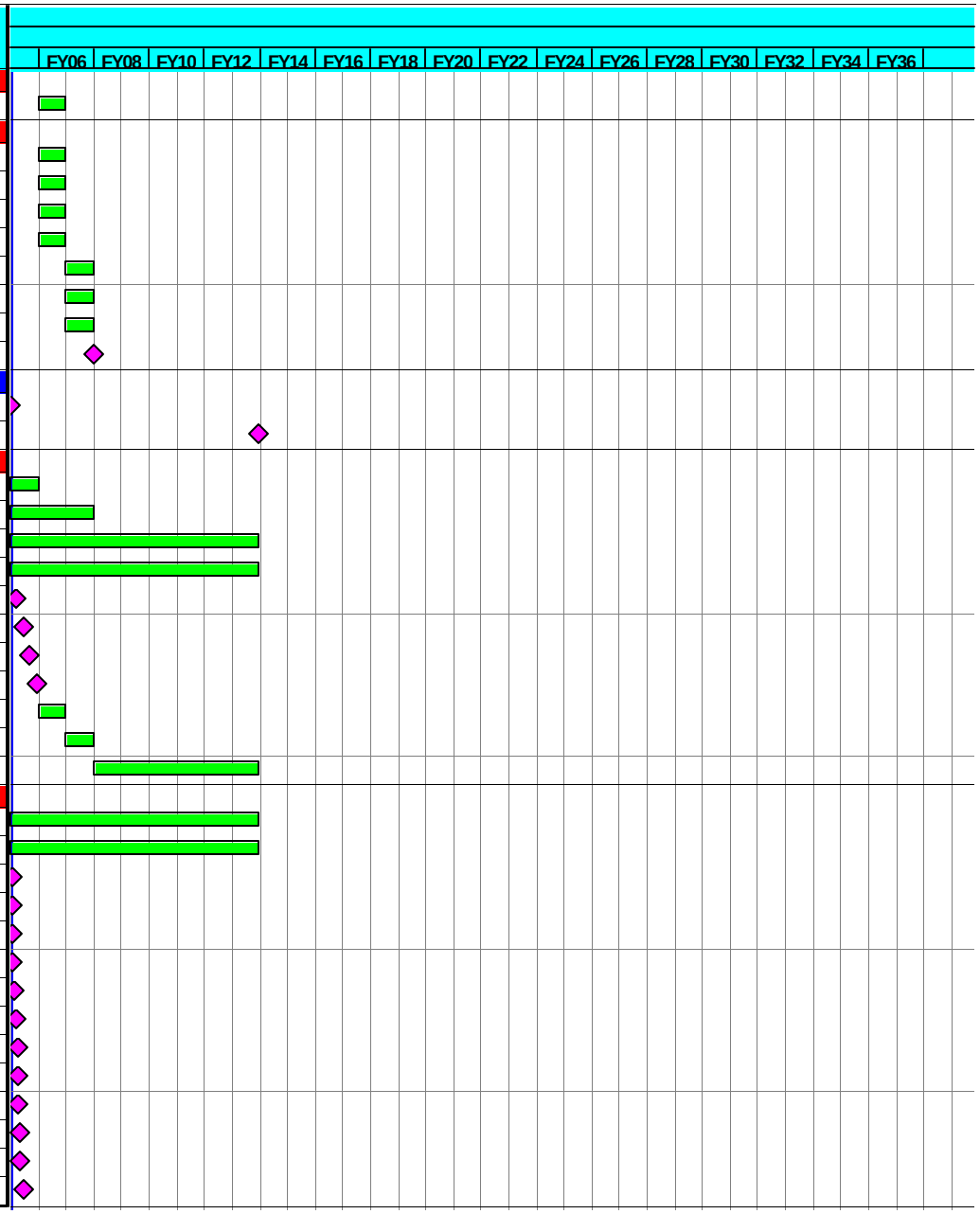
Activity ID	Activity Description	Early Start	Early Finish
Title I and Title II Design			
4L425165	Title II Design	04OCT04	29SEP05
Facility Construction			
4L425160	Construction Management	04OCT04	29SEP05
4L425170	QA	04OCT04	29SEP05
4L425175	Project Management	04OCT04	29SEP05
4L425180	Construction AE Support	04OCT04	29SEP05
4L425185	Gov Furn Equipment	03OCT05	28SEP06
4L425190	Construction	03OCT05	28SEP06
4L425195	Project Acceptance / Closeou	03OCT05	28SEP06
4L425200	Turn Over to Operations		28SEP06
Air			
4LW00110	Begin Environmental Services	01OCT03*	
4LW00120	Transition to NE		28SEP12*
Ambient Air			
4LW11040	FY04 Contingency Adjustment	01OCT03*	30SEP04
4LW11030	Lifecycle Contingency	01OCT03*	28SEP06
4LW11010	Project Mgt	01OCT03	27SEP12
4LW11020	Sampling and Analysis	01OCT03	27SEP12
4LW11175	FY04 Submit December NOx Rpt to DOE-ID	15DEC03*	
4LW11185	FY04 Submit March NOx Rpt to DOE-ID	15MAR04*	
4LW11195	FY04 Submit June NOx Rpt to DOE-ID	15JUN04*	
4LW11205	FY04 Submit September NOx Rpt to DOE-ID	15SEP04*	
4LW11050	FY05 Contingency Adjustment	04OCT04*	29SEP05
4LW11060	FY06 Contingency Adjustment	03OCT05*	28SEP06
4LW11080	FY07 - FY12 Contingency Adjustment	29SEP06	27SEP12
Air Effluent			
4LW12010	Project Mgt	01OCT03	27SEP12
4LW12020	Reporting	01OCT03	27SEP12
4LW12445	FY04 Subpart Dc to DOE-ID	15OCT03*	
4LW12500	FY04 SMC Qtrly PTC Rpt	20OCT03*	
4LW12440	FY04 Subpart Dc Rpt to EPA	01NOV03*	
4LW12590	FY04 TRA Qtrly PTC Rpt	05NOV03*	
4LW12340	FY04 Asbestos Notification to DOE-ID	01DEC03*	
4LW12350	FY04 Asbestos Notification to EPA	21DEC03*	
4LW12351	FY04 Annual Asbestos Rpt to DOE-ID	15JAN04*	
4LW12540	FY04 Prior CY Annual PTC Rpt DOE-ID	15JAN04*	
4LW12510	FY04 SMC Qtrly PTC Rpt	20JAN04*	
4LW12361	FY04 Annual Asbestos Rpt to EPA	30JAN04*	
4LW12620	FY04 TRA Qtrly PTC Rpt	05FEB04*	
4LW12325	FY04 Toxic Emission Src Rpt to DOE-ID	01APR04*	



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Progress Bar
Critical Activity

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Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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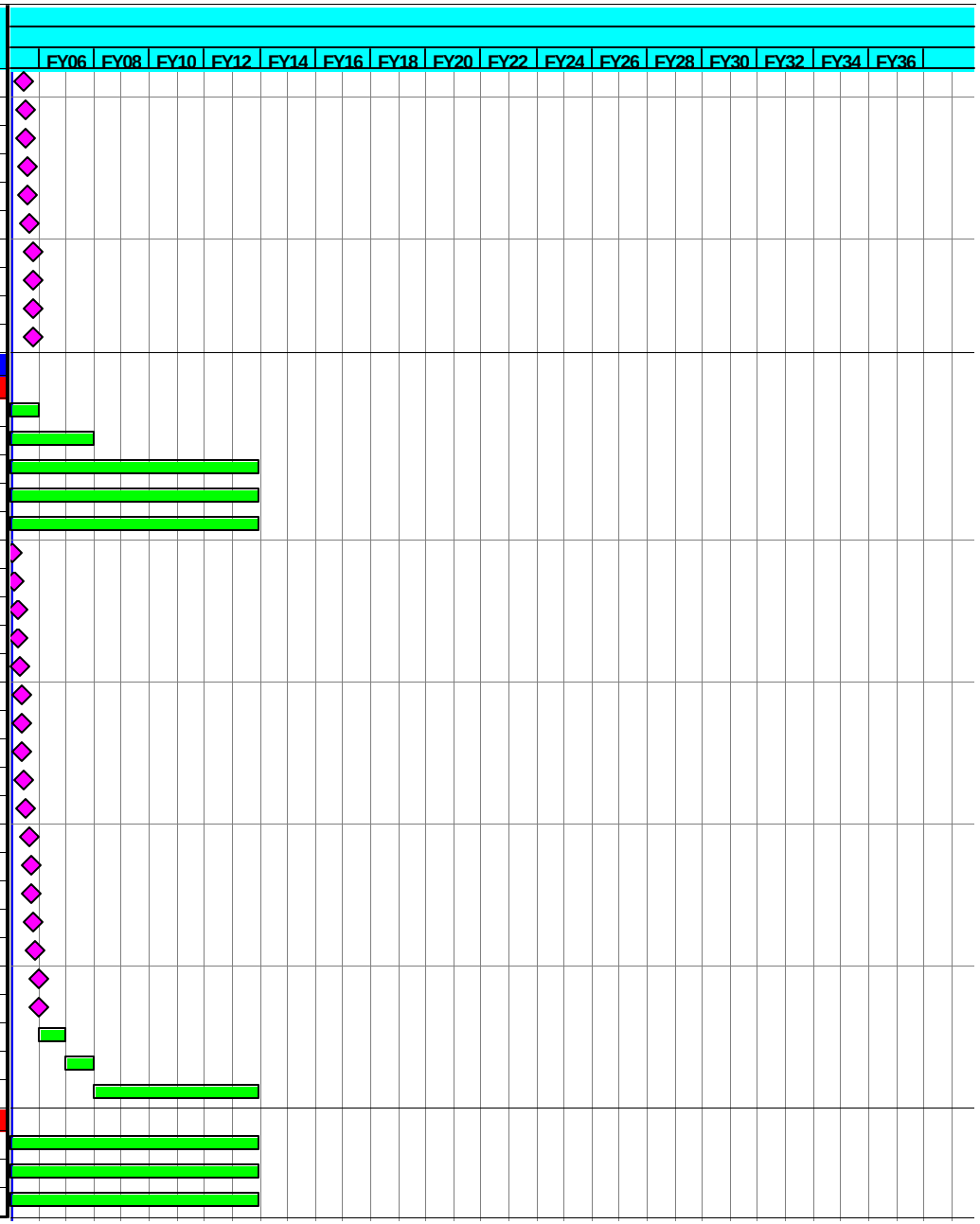
Activity ID	Activity Description	Early Start	Early Finish
4LW12490	FY04 Title V SSCPEI Rpt (for fee)	01APR04*	
4LW12470	FY04 Submit Subpart Dc to DOE-ID	15APR04*	
4LW12520	FY04 SMC Qtrly PTC Rpt	20APR04*	
4LW12455	FY04 Submit Subpart Dc Rpt to EPA	01MAY04*	
4LW12630	FY04 TRA Qtrly PTC Rpt	05MAY04*	
4LW12466	FY04 Annual NESHAP Emission Rpt to DOE-ID	01JUN04*	
4LW12530	FY04 SMC Qtrly PTC Rpt	20JUL04*	
4LW12336	FY04 3yr Cycle Air Emission Rpt to DOE-ID	31JUL04*	
4LW12420	FY04 Genl Duty Clause to DOE-ID	01AUG04*	
4LW12640	FY04 TRA Qtrly PTC Rpt	05AUG04*	
Water			
Liquid Effluent			
4LW21050	FY04 Contingency Adjustment	01OCT03*	30SEP04
4LW21040	Lifecycle Contingency	01OCT03	28SEP06
4LW21010	Project Mgt	01OCT03	27SEP12
4LW21020	Sampling and Analysis	01OCT03	27SEP12
4LW21030	Reporting	01OCT03	27SEP12
4LW21495	FY04 Ltrs for Oct pH logs to IF	31OCT03*	
4LW21497	FY04 Ltrs for Nov pH logs to IF	30NOV03*	
4LW21499	FY04 Ltrs for Dec pH logs to IF	31DEC03*	
4LW21521	FY04 1st IRC to Idaho Falls	31DEC03*	
4LW21501	FY04 Ltrs for Jan pH logs to IF	31JAN04*	
4LW21377	FY04 WLAP Ann. Site Perf Rpt DOE-ID	21FEB04*	
4LW21503	FY04 Ltrs for Feb pH logs to IF	29FEB04*	
4LW21379	FY04 WLAP Ann. Site Perf Rpt State ID	01MAR04*	
4LW21505	FY04 Ltrs for Mar pH logs to IF	31MAR04*	
4LW21507	FY04 Ltrs for Apr pH logs to IF	30APR04*	
4LW21509	FY04 Ltrs for May pH logs to IF	31MAY04*	
4LW21511	FY04 Ltrs for Jun pH logs to IF	30JUN04*	
4LW21531	FY04 2nd IRC to Idaho Falls FY04	30JUN04*	
4LW21513	FY04 Ltrs for Jul pH logs to IF	31JUL04*	
4LW21515	FY04 Ltrs for Aug pH logs to IF	31AUG04*	
4LW21371	FY04 DOE 5400.5 BAT Rpt. to DOE-ID	30SEP04*	
4LW21517	FY04 Ltrs for Sep pH logs to IF	30SEP04*	
4LW21060	FY05 Contingency Adjustment	04OCT04*	29SEP05
4LW21070	FY06 Contingency Adjustment	03OCT05*	28SEP06
4LW21090	FY07 - FY12 Contingency Replan	02OCT06*	27SEP12
Drinking Water			
4LW22010	Project Mgt	01OCT03	27SEP12
4LW22020	Sampling and Analysis	01OCT03	27SEP12
4LW22030	Reporting	01OCT03	27SEP12



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2

Sheet 20 of 27

Eliminate MLLW Backlog/Environmental Services

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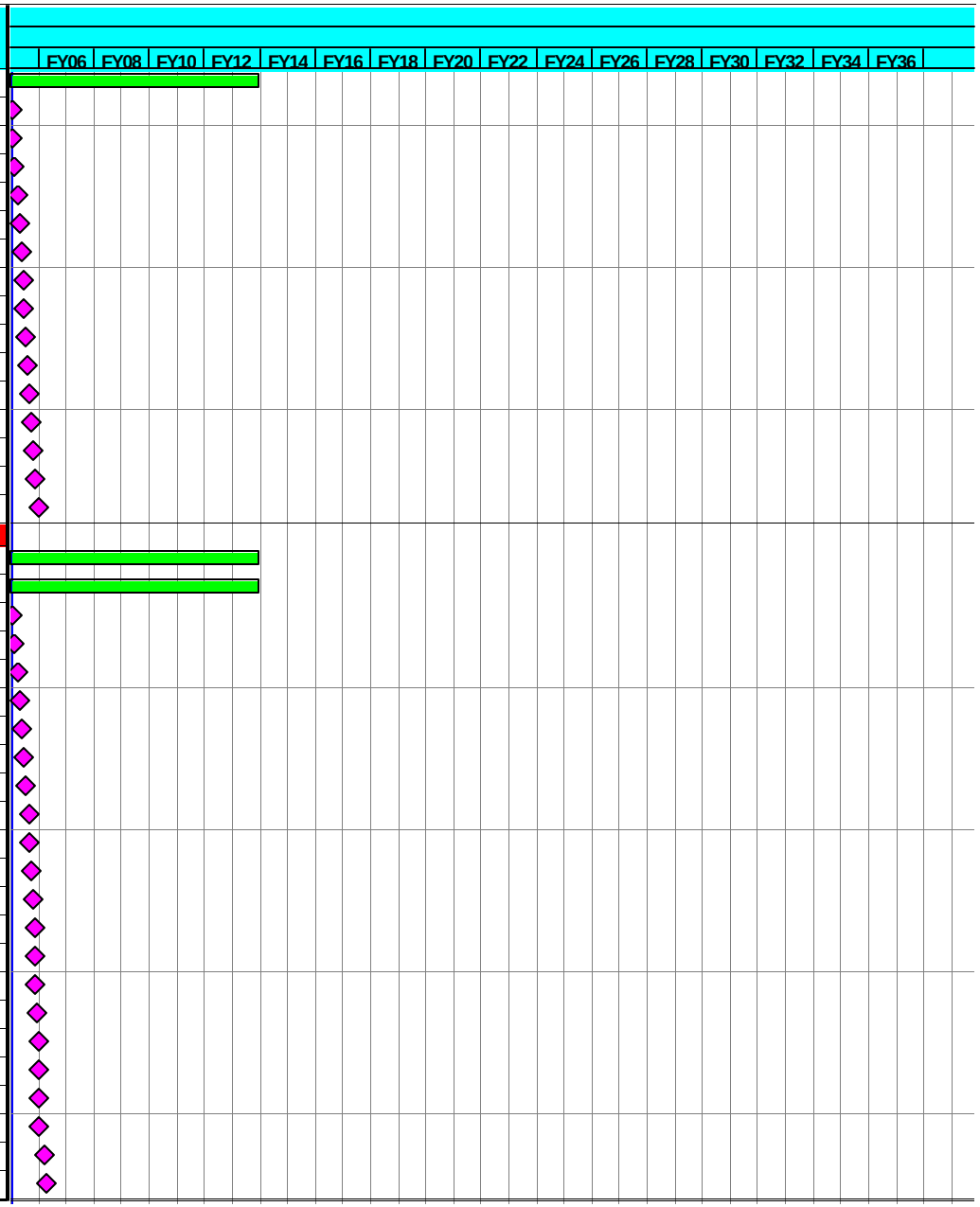
4LW22040	Cross Connection Program	01OCT03	27SEP12
4LW22210	FY04 Annual Fee Assessment to State	30OCT03*	
4LW22238	Oct-Submit Bac-t Rpt to DEQ FY04	30OCT03*	
4LW22240	Nov-Submit Bact Rpt to DEQ FY04	30NOV03*	
4LW22242	Dec-Submit Bac-t Rpt to DEQ FY04	30DEC03*	
4LW22244	Jan-Submit Bac-t Rpt to DEQ FY04	30JAN04*	
4LW22246	Feb-Submit Bac-t Rpt to DEQ FY04	29FEB04*	
4LW22248	Mar-Submit Bac-t Rpt to DEQ FY04	30MAR04*	
4LW22406	FY04 Source Wtr Assessments to DOE-ID	01APR04*	
4LW22250	Apr-Submit Bac-t Rpt to DEQ FY04	30APR04*	
4LW22416	FY04 Source Wtr Assessment to DEQ	01MAY04*	
4LW22252	May-Submit Bac-t Rpt to DEQ FY04	30MAY04*	
4LW22254	Jun-Submit Bac-t Rpt to DEQ FY04	30JUN04*	
4LW22256	Jul-Submit Bac-t Rpt to DEQ FY04	30JUL04*	
4LW22258	Aug-Submit Bac-t Rpt to DEQ FY04	30AUG04*	
4LW22260	Sep-Submit Bac-t Rpt to DEQ FY04	30SEP04*	
Storm Water Pollution Prevention			
4LW23010	Project Mgt	01OCT03	27SEP12
4LW23020	Reporting	01OCT03	27SEP12
4LW23567	FY04 SW Coal Pile MR to EPA	28OCT03*	
4LW23220	Oct Inspection of Construction Sites FY04	30NOV03*	
4LW23230	Nov Inspection of Construction Sites FY04	30DEC03*	
4LW23235	Dec Inspection of Construction Sites FY04	30JAN04*	
4LW23245	Jan Inspection of Construction Sites FY04	29FEB04*	
4LW23250	Feb Inspection of Construction Sites FY04	30MAR04*	
4LW23270	Mar Inspection of Construction Sites FY04	30APR04*	
4LW23280	Apr Inspection of Construction Sites FY04	30MAY04*	
4LW23290	Issue Status Report E4 Milestone FY04	30MAY04*	
4LW23295	May Inspection of Construction Sites FY04	30JUN04*	
4LW23315	Jun Inspection of Construction Sites FY04	30JUL04*	
4LW23325	Jul Inspection of Construction Sites FY04	30AUG04*	
4LW23355	Annual Reveg Assessment to DOE-ID	30AUG04*	
4LW23330	Transmit Annual SPCC FY04	31AUG04*	
4LW23204	FY04 SW Coal Pile DMR to DOE-ID	20SEP04*	
4LX23202	FY05 SW Coal Pile DMR to DOE-ID	28SEP04*	
4LW23241	Revise SWPPP-IA Training FY04	30SEP04*	
4LW23335	Aug Inspection of Construction Sites FY04	30SEP04*	
4LW23345	Transmit SWPPP Eval. & Rev. FY04	30SEP04*	
4LX23206	FY05 SW DMR to DOE-ID	28DEC04*	
4LX23203	FY05 SW DMR to EPA	28JAN05*	



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2 Sheet 21 of 27

Eliminate MLLW Backlog/Environmental Services

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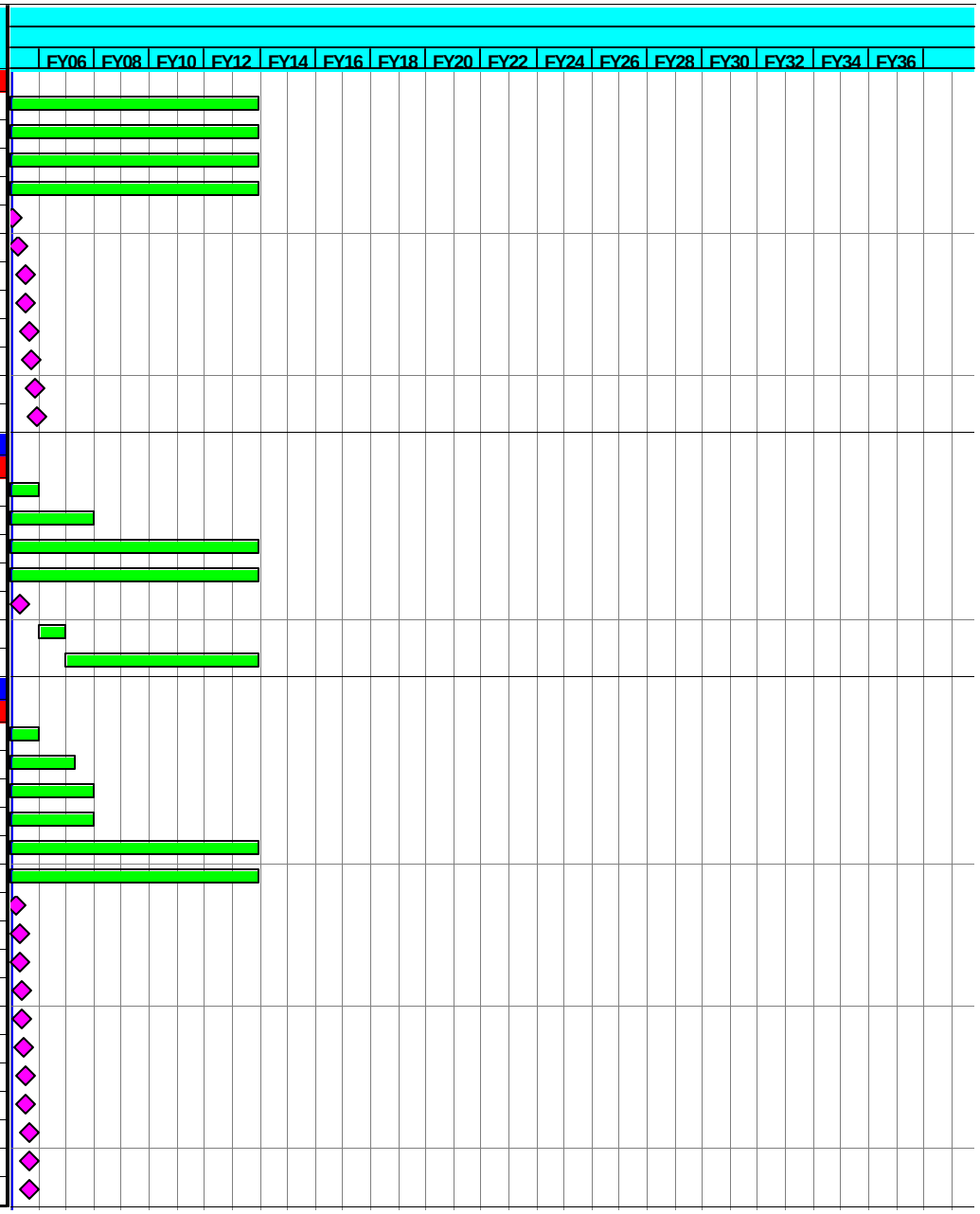
Activity ID	Activity Description	Early Start	Early Finish
Groundwater			
4LW24010	Project Mgt	01OCT03	27SEP12
4LW24020	Sampling and Analysis	01OCT03	27SEP12
4LW24030	Reporting	01OCT03	27SEP12
4LW24040	Vadose Zone	01OCT03	27SEP12
4LW24260	FY04 Ship GW Samples 1st Round	30OCT03*	
4LW24659	FY04 Well Drilling Permits	15JAN04*	
4LW24686	FY04 Submit Release Limits Doc to DOE-ID	08APR04*	
4LW24261	FY04 Ship GW Samples 2nd Round	30APR04*	
4LW24231	Comp Well Inv/Annual Wtr Use Rpt to DOE-ID	28MAY04*	
4LW24241	Comp Well Inv/Annual Wtr Use Rpt to IDWR	28JUN04*	
4LW24665	FY04 Shallow Injection Well Rpt to IDWR	30AUG04*	
4LW24675	FY04 GW Mon Plan to DOE-ID	09SEP04*	
Environmental Surveillance			
Soils & Biota			
4LW31040	FY04 Contingency Adjustment	01OCT03*	30SEP04
4LW31030	Lifecycle Contingency	01OCT03	28SEP06
4LW31010	Project Mgt	01OCT03	27SEP12
4LW31020	Sampling and Analysis	01OCT03	27SEP12
4LW31456	FY04 Submit Rad Survey Letter	30JAN04*	
4LW31050	FY05 Contingency Adjustment	04OCT04*	29SEP05
4LW31060	FY06 - FY12 Contingency Replan	03OCT05	27SEP12
Environmental Reporting			
Environmental Reporting			
4LW41040	FY04 Contingency Adjustment	01OCT03*	30SEP04
4LY41405	IDG Report Prep	01OCT03	30JAN06
4LW41030	Lifecycle Contingency	01OCT03	28SEP06
4LY41435	Database Review, Update	01OCT03	28SEP06
4LW41010	Project Mgt	01OCT03	28SEP12
4LW41020	Reporting	01OCT03	28SEP12
4LW41255	Submit 4th Qtr. FY03 EPCRA 311 Report	15DEC03*	
4LY41425	IDG Report to EPA	30JAN04*	
4LW41295	Submit Annual EPCRA 312 Report FY04	14FEB04*	
4LW41210	FY04 1st Rev RCRA Vol 1Sec A to DOE-ID	01MAR04*	
4LW41360	FY04 RCRA Part A Summary 1st Rev DOE-ID	01MAR04*	
4LW41265	Submit 1st Qtr. FY04 EPCRA 311 Report	15MAR04*	
4LW41335	FY04 1st rev. RCRA Annual Work Plan to DOE-ID	15APR04*	
4LW41270	FY04 Submit Draft Env Mon Pln to DOE-ID	30APR04*	
4LW41305	FY04 Annual EPCRA 313 Rpt to DOE-ID	30MAY04*	
4LW41325	FY04 TSCA Annual Doc Log/Inventory to DOE-ID	01JUN04*	
4LW41395	FY04 TSCA Radioactive Waste Inventory to DOE-ID	01JUN04*	



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2 Sheet 22 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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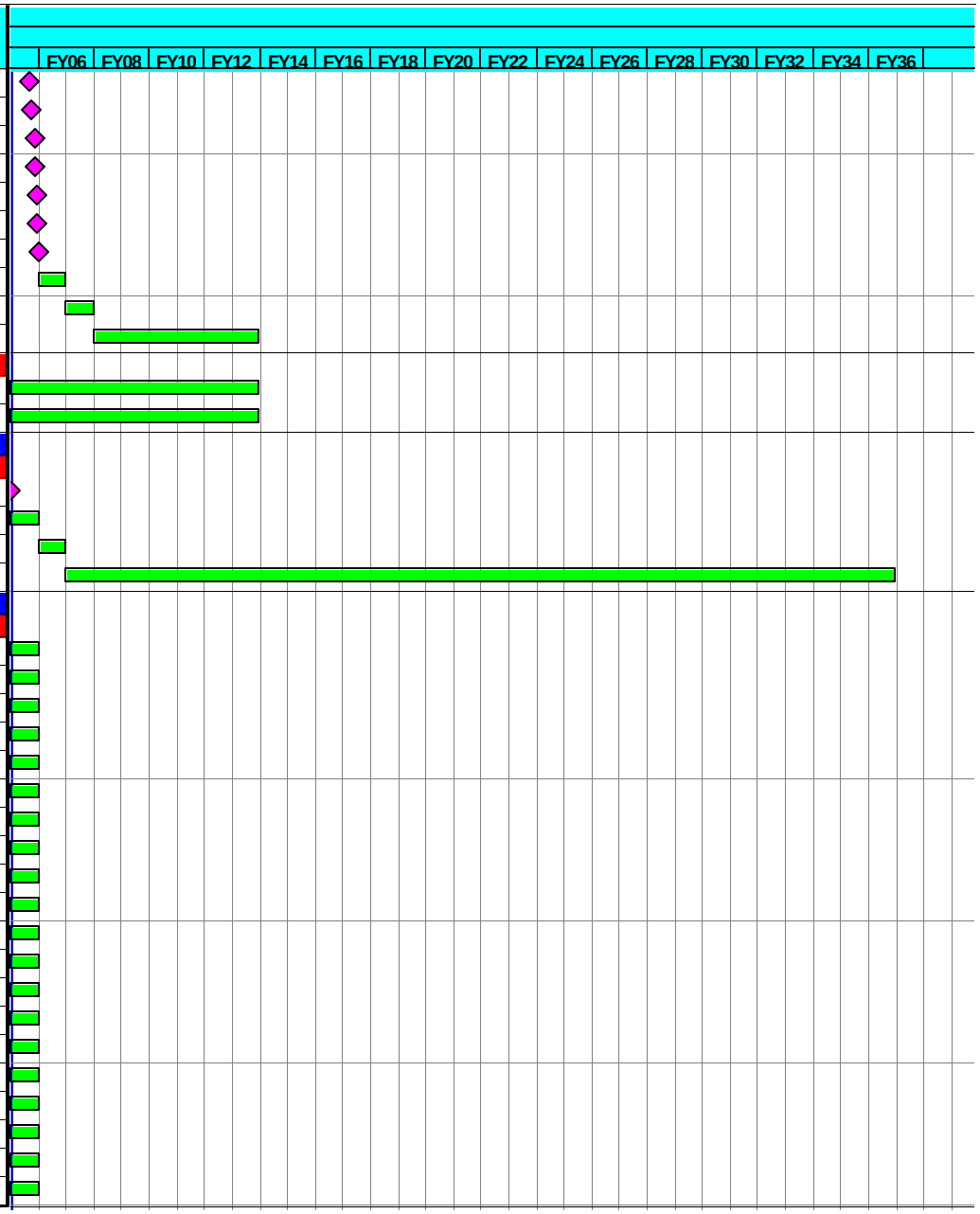
Activity ID	Activity Description	Early Start	Early Finish
4LW41275	FY04 EPCRA 311 Rpt to DOE-ID	15JUN04*	
4LW41240	FY04 RCRA Part B Vol 3 to DOE-ID	30JUN04*	
4LW41280	FY04 Submit Final Env Mon Pln to DOE-ID	01SEP04*	
4LW41370	FY04 2nd Rev RCRA Part A Summary to DOE-ID	01SEP04*	
4LW41285	Submit 3rd Qtr. FY04 EPCRA 311 Report	15SEP04*	
4LW41340	FY04 2nd Rev. RCRA Annual Work Plan to DOE-ID	15SEP04*	
4LW41385	Submt Annual INEEL Pesticide List to DOE-ID FY04	30SEP04*	
4LW41050	FY05 Contingency Adjustment	04OCT04*	29SEP05
4LW41060	FY06 Contingency Adjustment	03OCT05*	28SEP06
4LW41070	FY07 - FY12 Contingency Replan	29SEP06	26SEP12
Sub-Project Documentation/Control			
4LW42010	Project Mgt	01OCT03	27SEP12
4LW42020	Training	01OCT03	27SEP12
MLLW Integration			
MLLW Integration			
4L134440	MLLW storage to a single facility at INTEC		30SEP03
4L134300	Coordinate Newly-Generated MLLW	01OCT03	30SEP04
4L134310	Coordinate Newly-Generated MLLW	04OCT04	29SEP05
4L134320	Coordinate Newly-Generated MLLW	03OCT05	27SEP35
Lead Disposition			
Lead Disposition			
4L19L005	Identify 200,000 lbs Lead for Characterization	01OCT03	30SEP04
4L19L010	Relocate 200,000 lbs Lead to CPP-655	01OCT03	30SEP04
4L19L015	Gamma Scan 200,000 lbs Lead	01OCT03	30SEP04
4L19L020	Prepare/Approve Plans (SAP,Visual,Sort)	01OCT03	30SEP04
4L19L025	Perform Sampling,Visual,Sort/Seg.	01OCT03	30SEP04
4L19L030	Ship Samples and Analyze	01OCT03	30SEP04
4L19L035	Evaluate Analytical Data/Prep Vendor Profiles	01OCT03	30SEP04
4L19L040	Prepare Shipping Documents	01OCT03	30SEP04
4L19L045	Load and Ship 200,000 lbs Lead	01OCT03	30SEP04
4L19L050	Treat/Dispose 100,000 Lead	01OCT03	30SEP04
4L19L055	Recycle 100,000 Lead	01OCT03	30SEP04
4L19L060	Life Cycle Baseline Update	01OCT03	30SEP04
4L19L065	Detailed Work Planning Update	01OCT03	30SEP04
4L19L070	Training and Development	01OCT03	30SEP04
4L19L075	Project Related Business Travel	01OCT03	30SEP04
4L19L080	Project Management	01OCT03	30SEP04
4L19L085	Lead Project Engineer	01OCT03	30SEP04
4L19L090	Perform CPP-653 Daily Operations	01OCT03	30SEP04
4L19L091	FY04 Lead Contingency	01OCT03	30SEP04
4L19L092	FY04 Lead Contingency Adj	01OCT03	30SEP04



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2 Sheet 23 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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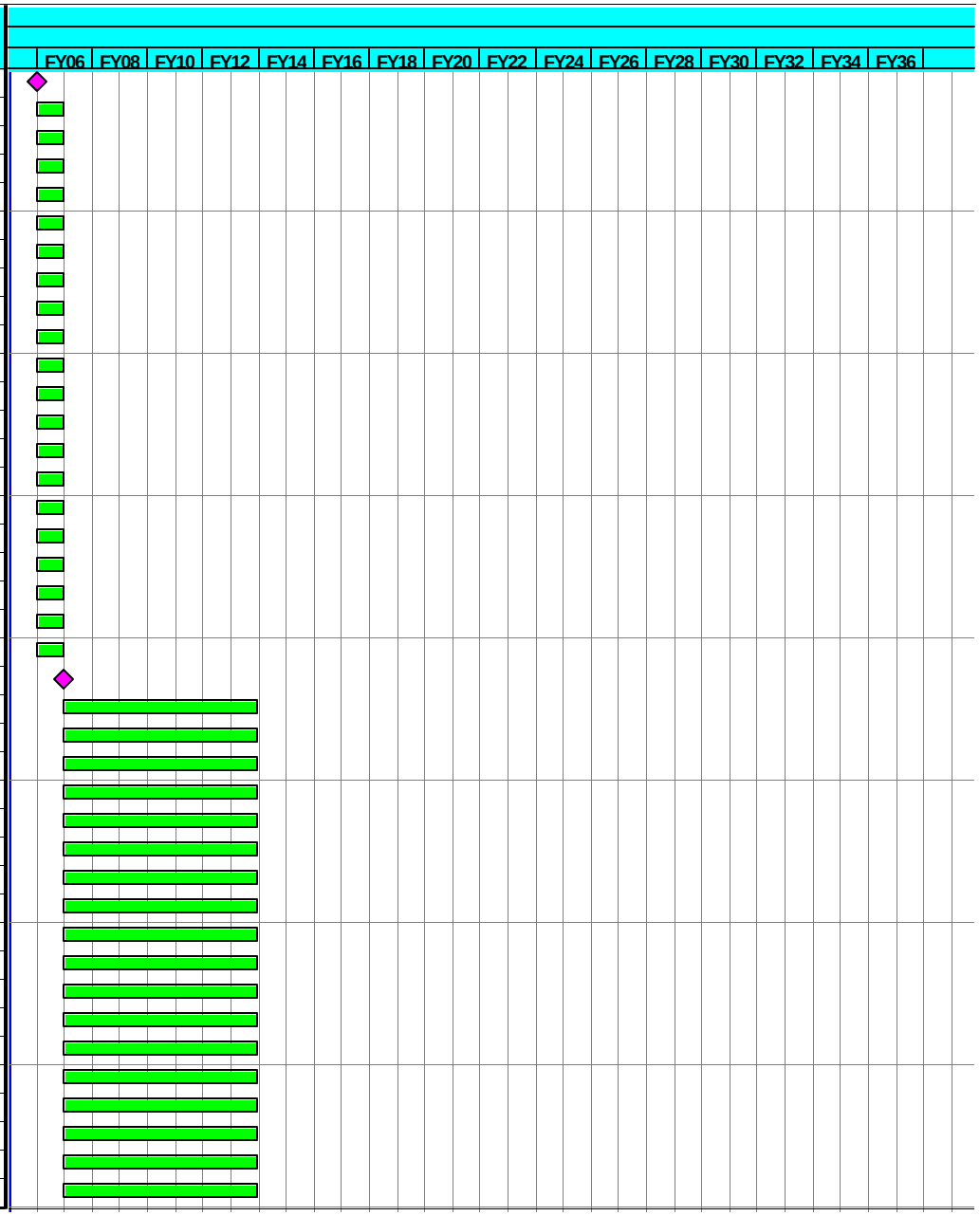
Activity ID	Activity Description	Early Start	Early Finish
4L19L280	Begin FY05 Lead	04OCT04*	
4L19L095	Identify 200,000 lbs Lead for Characterization	04OCT04	29SEP05
4L19L100	Relocate 200,000 lbs Lead to CPP-655	04OCT04	29SEP05
4L19L105	Gamma Scan 200,000 lbs Lead	04OCT04	29SEP05
4L19L110	Prepare/Approve Plans (SAP,Visual,Sort)	04OCT04	29SEP05
4L19L115	Perform Sampling,Visual,Sort/Seg.	04OCT04	29SEP05
4L19L120	Ship Samples and Analyze	04OCT04	29SEP05
4L19L125	Evaluate Analytical Data/Prep Vendor Profiles	04OCT04	29SEP05
4L19L130	Prepare Shipping Documents	04OCT04	29SEP05
4L19L135	Load and Ship 200,000 lbs Lead	04OCT04	29SEP05
4L19L140	Treat/Dispose 100,000 Lead	04OCT04	29SEP05
4L19L145	Recycle 100,000 Lead	04OCT04	29SEP05
4L19L150	Life Cycle Baseline Update	04OCT04	29SEP05
4L19L155	Detailed Work Planning Update	04OCT04	29SEP05
4L19L160	Training and Development	04OCT04	29SEP05
4L19L165	Project Related Business Travel	04OCT04	29SEP05
4L19L170	Project Management	04OCT04	29SEP05
4L19L175	Lead Project Engineer	04OCT04	29SEP05
4L19L180	Perform CPP-653 Daily Operations	04OCT04*	29SEP05
4L19L181	FY05 Lead Contingency	04OCT04*	29SEP05
4L19L182	FY05 Lead Contingency Adjustment	04OCT04*	29SEP05
4L19L285	Begin FY06 Lead	03OCT05*	
4L19L185	Identify 200,000 lbs Lead for Characterization	03OCT05	27SEP12
4L19L190	Relocate 200,000 lbs Lead to CPP-655	03OCT05	27SEP12
4L19L195	Gamma Scan 200,000 lbs Lead	03OCT05	27SEP12
4L19L200	Prepare/Approve Plans (SAP,Visual,Sort)	03OCT05	27SEP12
4L19L205	Perform Sampling,Visual,Sort/Seg.	03OCT05	27SEP12
4L19L210	Ship Samples and Analyze	03OCT05	27SEP12
4L19L215	Evaluate Analytical Data/Prep Vendor Profiles	03OCT05	27SEP12
4L19L220	Prepare Shipping Documents	03OCT05	27SEP12
4L19L225	Load and Ship 200,000 lbs Lead	03OCT05	27SEP12
4L19L230	Treat/Dispose 100,000 Lead	03OCT05	27SEP12
4L19L235	Recycle 100,000 Lead	03OCT05	27SEP12
4L19L240	Life Cycle Baseline Update	03OCT05	27SEP12
4L19L245	Detailed Work Planning Update	03OCT05	27SEP12
4L19L250	Training and Development	03OCT05	27SEP12
4L19L255	Project Related Business Travel	03OCT05	27SEP12
4L19L260	Project Management	03OCT05	27SEP12
4L19L265	Lead Project Engineer	03OCT05	27SEP12
4L19L270	Perform CPP-653 Daily Operations	03OCT05	27SEP12



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2

Sheet 24 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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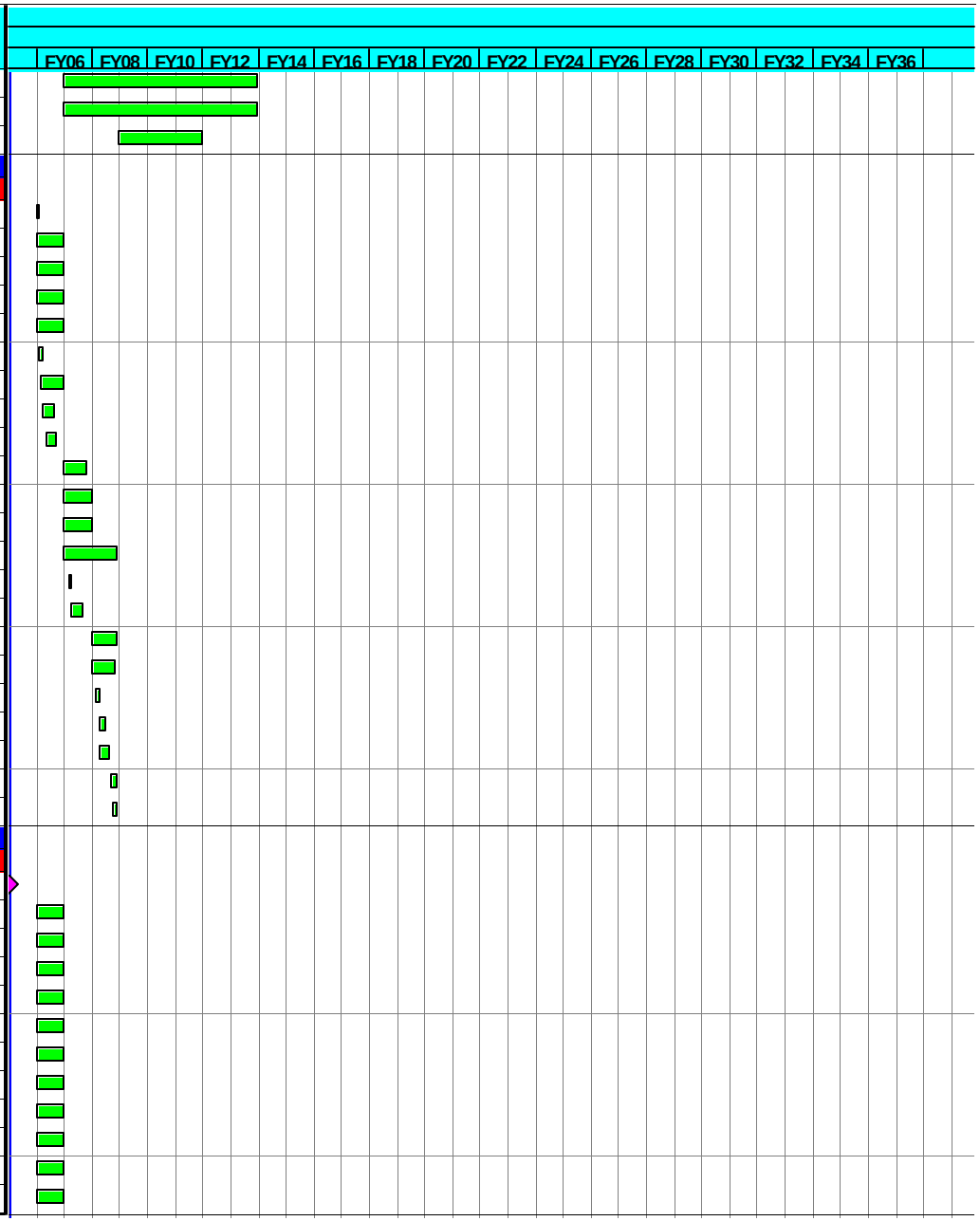
Activity ID	Activity Description	Early Start	Early Finish
4L19L271	FY06-FY12 Lead Contingency	03OCT05*	27SEP12
4L19L275	Establish/Maintain Recycling Fac Outlets	03OCT05	27SEP12
4L19L281	Lead Outyear Contingency Adjustment	01OCT07*	30SEP10
MLLW Onsite Treatment			
Leached HEPA Filters			
4L20F025	Install New Dryer	04OCT04	15NOV04
4L20F030	RCRA Inspections- FDP Filters FY05	04OCT04*	29SEP05
4L20F035	Perform CPP-666 Modifications	04OCT04*	29SEP05
4L20F060	FY05 FL Contingency	04OCT04*	29SEP05
4L20F061	FY05 FL Contingency Adjustment	04OCT04*	29SEP05
4L20F040	D-Cell Shutdown FY05	04NOV04*	20DEC04
4L20F045	Fabricate 80 Filter Boxes	01DEC04*	15SEP05
4L20F050	Filter Leach Support Services FY05	03JAN05*	19MAY05
4L20F055	Leach 72 CPP 659 Filters	01FEB05*	09JUN05
4L20F070	RCRA Inspections- FDP Filters FY06	03OCT05*	31JUL06
4L20F065	Filter Leach Support Services FY06	03OCT05*	28SEP06
4L20F085	FY06 Filter Leach Contingency	03OCT05*	28SEP06
4L20F087	FY06-FY07 FL Contingency Adjustment	03OCT05*	30AUG07
4L20F075	D-Cell Shutdown FY06	05DEC05*	09JAN06
4L20F080	Leach 90 CPP-659 Filters	04JAN06*	12JUN06
4L20F135	FY07 Filter Leach Contingency	02OCT06*	30AUG07
4L20F105	RCRA Inspections- FDP Filters FY07	03OCT06*	31JUL07
4L20F110	D-Cell Shutdown FY07	05DEC06*	09JAN07
4L20F115	Leach Remaining 54 CPP-659 Filters	02JAN07*	22MAR07
4L20F120	Filter Leach Support Services FY07	02JAN07*	17MAY07
4L20F125	Transport 148 CPP-666 Filters to CPP-659	04JUN07*	23AUG07
4L20F130	Leach 148 CPP-666 Filters	09JUL07*	30AUG07
MLLW with No Path to Disposal			
MLLW with No Path to Disposal			
4L21BEG5	Begin No Path FY05	01OCT03	
4L211005	Prepare/Approve Plans (SAP,Visual,Sort)	04OCT04*	29SEP05
4L211010	Perform Sampling,Visual,Sort/Seg.	04OCT04*	29SEP05
4L211015	Ship Samples and Analyze	04OCT04*	29SEP05
4L211020	Evaluate Analytical Data/Prep Vendor Profiles	04OCT04*	29SEP05
4L211025	Prepare Shipping Documents	04OCT04*	29SEP05
4L211030	Load and Ship (3 cubic meters)	04OCT04*	29SEP05
4L211035	Treat/Dispose (3 cubic meters)	04OCT04*	29SEP05
4L211040	Life Cycle Baseline Update	04OCT04*	29SEP05
4L211045	Detailed Work Planning Update	04OCT04*	29SEP05
4L211050	Training and Development	04OCT04*	29SEP05
4L211055	Project Related Business Travel	04OCT04*	29SEP05



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2 Sheet 25 of 27

Eliminate MLLW Backlog/Environmental Services

Lifecycle Baseline

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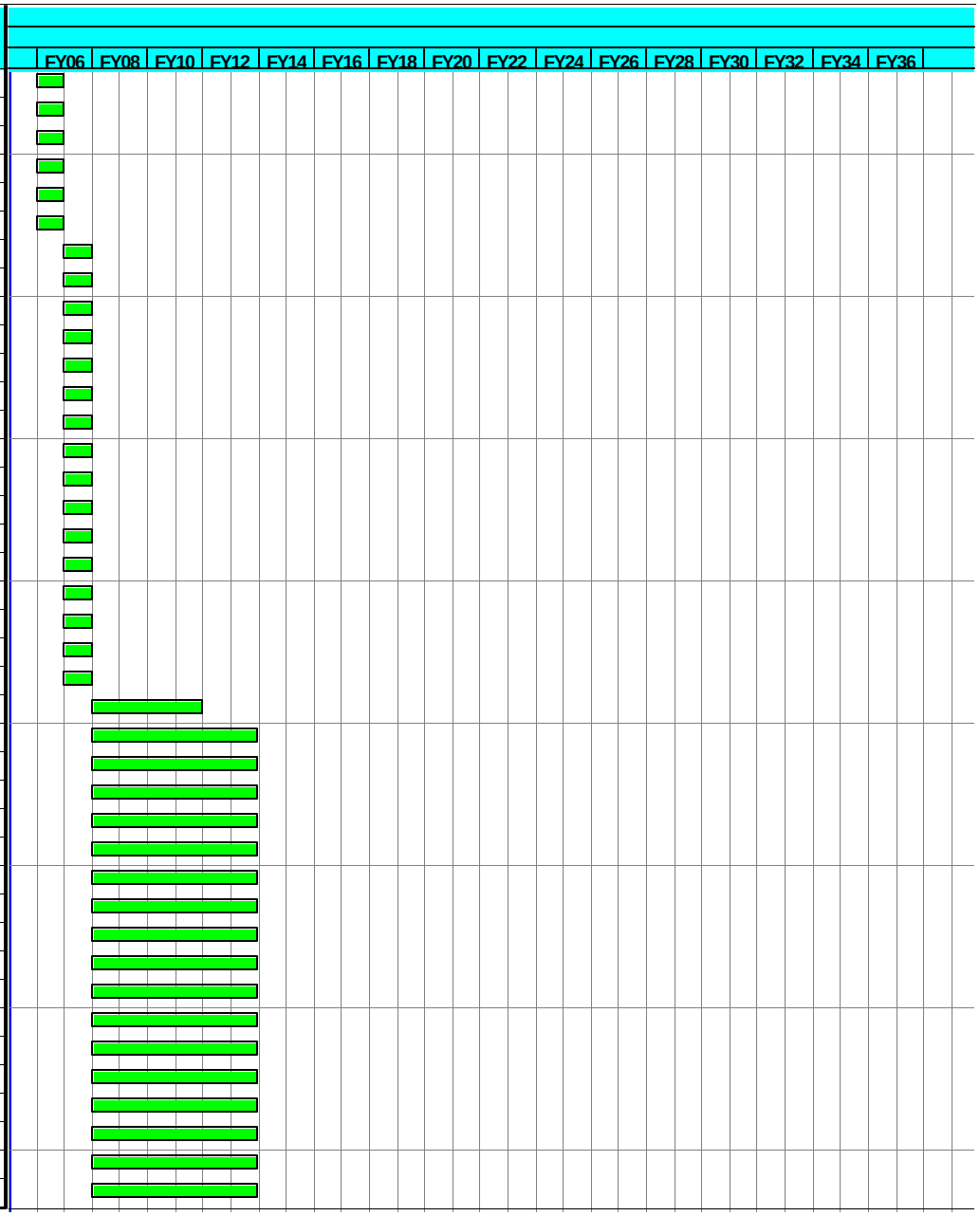
Activity ID	Activity Description	Early Start	Early Finish
4L211060	Project Management	04OCT04*	29SEP05
4L211065	Project Engineer	04OCT04*	29SEP05
4L211070	Contract Administration	04OCT04*	29SEP05
4L211075	Project Scheduling	04OCT04*	29SEP05
4L211076	FY05 No Path Contingency	04OCT04*	29SEP05
4L211077	FY05 NP Contingency Adjustment	04OCT04*	29SEP05
4L211080	Prepare/Approve Plans (SAP,Visual,Sort)	03OCT05*	28SEP06
4L211085	Perform Sampling,Visual,Sort/Seg.	03OCT05*	28SEP06
4L211090	Ship Samples and Analyze	03OCT05*	28SEP06
4L211095	Evaluate Analytical Data/Prep Vendor Profiles	03OCT05*	28SEP06
4L211100	Prepare Shipping Documents	03OCT05*	28SEP06
4L211105	Load and Ship (3 cubic meters)	03OCT05*	28SEP06
4L211110	Treat/Dispose (3 cubic meters)	03OCT05*	28SEP06
4L211115	Life Cycle Baseline Update	03OCT05*	28SEP06
4L211120	Detailed Work Planning Update	03OCT05*	28SEP06
4L211125	Training and Development	03OCT05*	28SEP06
4L211130	Project Related Business Travel	03OCT05*	28SEP06
4L211135	Project Management	03OCT05*	28SEP06
4L211140	Project Engineer	03OCT05*	28SEP06
4L211145	Contract Administration	03OCT05*	28SEP06
4L211150	Project Scheduling	03OCT05*	28SEP06
4L211151	FY06 No Path Contingency	03OCT05*	28SEP06
4L211260	FY06-FY12 NP Contingency Adjustment	02OCT06*	30SEP10
4L211155	Prepare/Approve Plans (SAP,Visual,Sort)	02OCT06*	27SEP12
4L211160	Perform Sampling,Visual,Sort/Seg.	02OCT06*	27SEP12
4L211165	Ship Samples and Analyze	02OCT06*	27SEP12
4L211170	Evaluate Analytical Data/Prep Vendor Profiles	02OCT06*	27SEP12
4L211175	Prepare Shipping Documents	02OCT06*	27SEP12
4L211180	Load and Ship (3 cubic meters)	02OCT06*	27SEP12
4L211185	Treat/Dispose (3 cubic meters)	02OCT06*	27SEP12
4L211190	Perform CPP-659 Daily Ops (1 cubic meter)	02OCT06*	27SEP12
4L211195	Environmental Compliance Support	02OCT06*	27SEP12
4L211200	Perform Treatibility Studies	02OCT06*	27SEP12
4L211205	Life Cycle Baseline Update	02OCT06*	27SEP12
4L211210	Detailed Work Planning Update	02OCT06*	27SEP12
4L211215	Training and Development	02OCT06*	27SEP12
4L211220	Project Related Business Travel	02OCT06*	27SEP12
4L211225	Project Management	02OCT06*	27SEP12
4L211230	Project Engineer	02OCT06*	27SEP12
4L211235	Contract Administration	02OCT06*	27SEP12



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

Early Bar
Progress Bar
Critical Activity

CJC2

Sheet 26 of 27

Eliminate MLLW Backlog/Environmental Services

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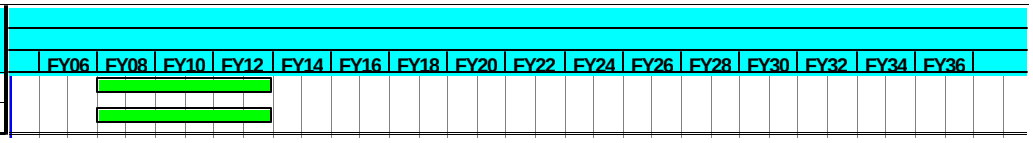
Activity ID	Activity Description	Early Start	Early Finish
4L211240	Project Scheduling	02OCT06*	27SEP12
4L211250	FY07-FY12 No Path Contingency	02OCT06*	27SEP12



Start Date	01OCT03
Finish Date	28SEP35
Data Date	01OCT03
Run Date	14APR03 09:47

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Progress Bar
Critical Activity

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Subproject Breakout by Budget Element

WBS[4]	BE		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
A.1.04.01.03 CC-SP4 Enviromental Services																			
	BURDENED BASE																		
	C	BCWS	0	1,103	5,291	6,992	7,022	6,947	7,042	6,336	6,253	1,198	1,224	1,347	1,361	1,354	1,358	1,368	1,378
	L	BCWS	17,223	19,324	16,565	18,171	17,205	17,379	16,559	15,685	15,457	5,448	5,541	5,395	5,416	5,373	5,373	5,395	5,416
	M	BCWS	595	1,808	539	574	574	577	553	544	538	109	116	108	109	108	108	108	109
	N	BCWS	866	834	826	898	913	876	690	692	683	90	86	84	85	84	84	84	85
	N_NO_ADD	BCWS	-958	-1,885	-2,295	-3,492	-3,956	-1,330	-859	-884	-892	-914	-929	-953	-981	-989	-1,010	-1,035	-1,057
	S	BCWS	1,533	5,266	10,374	7,828	8,392	4,745	2,178	2,185	2,150	83	83	83	84	83	83	83	84
	T	BCWS	247	255	250	250	252	251	246	245	242	73	73	73	73	73	73	73	73
	Results... Totals:	BCWS	19,505	26,706	31,551	31,222	30,402	29,445	26,409	24,802	24,432	6,087	6,195	6,138	6,147	6,086	6,069	6,077	6,088
	ESCALATION																		
	C	BCWS	0	47	340	606	769	923	1,103	1,146	1,286	277	314	381	422	457	497	540	584
	L	BCWS	548	1,033	1,254	1,782	2,085	2,523	2,785	3,032	3,374	1,329	1,497	1,601	1,755	1,890	2,043	2,207	2,376
	M	BCWS	12	77	35	50	63	77	87	98	111	25	30	31	34	36	39	43	46
	N	BCWS	18	35	53	78	100	116	108	125	141	21	22	24	26	28	31	33	36
	S	BCWS	32	223	667	679	919	630	341	395	442	19	21	24	26	28	30	33	36
	T	BCWS	5	11	16	22	28	33	39	44	50	17	19	21	23	25	27	29	31
	Results... Totals:	BCWS	616	1,426	2,365	3,217	3,963	4,302	4,462	4,841	5,403	1,688	1,903	2,081	2,285	2,465	2,667	2,885	3,109
	SUMMARY (BASE+ESCALATION)																		
	C	BCWS	0	1,150	5,631	7,598	7,791	7,869	8,145	7,482	7,540	1,475	1,538	1,728	1,783	1,811	1,855	1,908	1,962
	L	BCWS	17,770	20,358	17,819	19,953	19,290	19,902	19,344	18,717	18,830	6,778	7,038	6,996	7,171	7,263	7,416	7,602	7,792
	M	BCWS	607	1,885	574	624	637	654	640	642	648	134	146	139	142	144	147	151	155
	N	BCWS	884	870	880	976	1,013	993	798	818	824	110	109	108	111	112	115	117	120
	N_NO_ADD	BCWS	-958	-1,885	-2,295	-3,492	-3,956	-1,330	-859	-884	-892	-914	-929	-953	-981	-989	-1,010	-1,035	-1,057
	S	BCWS	1,565	5,490	11,041	8,507	9,311	5,375	2,519	2,580	2,592	103	105	107	110	111	114	116	119
	T	BCWS	252	266	267	272	280	285	285	289	292	90	92	94	96	97	100	102	105
	Results... Totals:	BCWS	20,121	28,132	33,916	34,439	34,365	33,747	30,871	29,644	29,835	7,775	8,098	8,219	8,432	8,551	8,736	8,962	9,197
WBS[4] Totals:		BCWS	20,121	28,132	33,916	34,439	34,365	33,747	30,871	29,644	29,835	7,775	8,098	8,219	8,432	8,551	8,736	8,962	9,197

WBS[4]	BE		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	Cumulative
A.1.04.01.03 CC-SP4 Enviromental Services																		
	BURDENED BASE																	
	C	BCWS	1,349	1,353	1,347	1,357	1,361	1,234	1,239	1,249	1,218	1,228	1,233	1,243	1,249	1,244	1,245	76,724
	L	BCWS	5,331	5,331	5,288	5,309	5,309	5,309	5,309	5,331	5,288	5,309	5,309	5,331	5,331	5,288	5,269	276,569
	M	BCWS	109	109	108	108	108	108	108	109	108	108	108	109	109	108	108	8,801
	N	BCWS	82	82	81	81	81	81	81	82	81	81	81	82	82	81	81	9,182
	N_NO_ADD	BCWS	-1,084	-1,111	-1,121	-1,149	-1,168	-1,197	-1,223	-1,258	-1,269	-1,301	-1,323	-1,362	-1,396	-1,408	-1,415	-43,204
	S	BCWS	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82	46,566
	T	BCWS	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	3,921
	Results... Totals:	BCWS	5,944	5,921	5,859	5,864	5,849	5,692	5,672	5,669	5,581	5,582	5,565	5,559	5,531	5,469	5,443	378,559
	ESCALATION																	
	C	BCWS	612	655	694	742	789	756	801	851	873	924	974	1,028	1,081	1,125	1,176	22,775
	L	BCWS	2,500	2,664	2,810	2,991	3,166	3,344	3,526	3,726	3,885	4,094	4,292	4,511	4,718	4,890	5,084	89,315
	M	BCWS	49	53	56	59	63	66	70	74	77	81	85	90	94	98	102	2,010
	N	BCWS	37	40	42	45	47	50	53	56	58	61	64	68	71	73	76	1,836
	S	BCWS	38	40	43	45	48	51	54	57	59	63	66	69	72	75	78	5,404
	T	BCWS	33	36	38	40	42	45	47	50	52	55	58	61	64	66	69	1,193
	Results... Totals:	BCWS	3,270	3,488	3,682	3,923	4,156	4,312	4,551	4,813	5,005	5,279	5,538	5,826	6,099	6,327	6,585	122,532
	SUMMARY (BASE+ESCALATION)																	
	C	BCWS	1,961	2,009	2,041	2,099	2,151	1,991	2,040	2,099	2,091	2,152	2,207	2,271	2,329	2,370	2,421	99,499
	L	BCWS	7,831	7,995	8,098	8,301	8,476	8,653	8,835	9,057	9,173	9,404	9,601	9,842	10,049	10,178	10,354	365,884
	M	BCWS	158	161	163	168	171	175	178	183	185	190	194	199	203	205	209	10,811
	N	BCWS	119	121	123	126	129	131	134	137	139	143	146	149	152	154	157	11,018
	N_NO_ADD	BCWS	-1,084	-1,111	-1,121	-1,149	-1,168	-1,197	-1,223	-1,258	-1,269	-1,301	-1,323	-1,362	-1,396	-1,408	-1,415	-43,204
	S	BCWS	121	124	125	129	131	134	137	140	142	146	149	152	156	158	160	51,969
	T	BCWS	107	109	110	113	116	118	120	124	125	128	131	134	137	139	141	5,114
	Results... Totals:	BCWS	9,213	9,409	9,541	9,787	10,004	10,005	10,223	10,482	10,586	10,861	11,104	11,386	11,630	11,795	12,028	501,091
WBS[4] Totals:		BCWS	9,213	9,409	9,541	9,787	10,004	10,005	10,223	10,482	10,586	10,861	11,104	11,386	11,630	11,795	12,028	501,091

			FY 2003 PBS ID
A.1.01.00 INTEC Completion			
	A.1.01.00.00 CPP-SP0 Project Support & Facility Authority		
		A.1.01.00.00.01.LC CPP-SP0 Project Management	HLW-101 HLW-103 SNF-102 SNF-103
		A.1.01.00.00.02.LC CPP-SP0 Operations	HLW-101 HLW-103 SNF-102 SNF-103 OIM-102
		A.1.01.00.00.03.LC CPP-SP0 Facility Maintenance	HLW-101 OIM-102
		A.1.01.00.00.04.LC CPP-SP0 Process Maintenance	ER-08 HLW-101 SNF-102 SNF-103
		A.1.01.00.00.05.LC CPP-SP0 Technical Services Support	HLW-101 SNF-102 SNF-103
		A.1.01.00.00.06.LC CPP-SP0 Core Services Support	HLW-101 HLW-103 SNF-102 SNF-103 OIM-102
		A.1.01.00.00.07.LC CPP-SP0 Capital Projects	HLW-101 HLW-103 SNF-102 SNF-103 OIM-102
		A.1.01.00.00.08.LC CPP-CP0 Facility Inactivation	OIM-101 SNF-103
		A.1.01.00.00.09.LC CPP-SP0 DOE-ID FUNDS	HLW-101 SNF-101 SNF-102 SNF-103
	A.1.01.00.01 CPP-SP1 Wet SNF to Dry & SNF Consolidation		
		A.1.01.00.01.01.LC CPP-666 On-Site Receipts	SNF-103
		A.1.01.00.01.02.LC CPP-666 Transferred DOE Fuel	SNF-103
		A.1.01.00.01.03.LC CPP-666 Transferred Navy Fuel	SNF-103
		A.1.01.00.01.04.LC IFSF Receipts	SNF-103
		A.1.01.00.01.05.LC Foreign Reactor Receipts (FRR)	SNF-103
		A.1.01.00.01.06.LC Domestic Receipts & Shipments (DR&S)	SNF-103
		A.1.01.00.01.07.LC PBF Transferred Fuel	SNF-103
		A.1.01.00.01.08.LC CPP-016 VCO	SNF-103
		A.1.01.00.01.09.LC CPP-603 Basin D&D&D	SNF-103
		A.1.01.00.01.10.LC Project Management & Administration	SNF-103
	A.1.01.00.02 CPP-SP2 SNM Consolidation		
		A.1.01.00.02.01.LC CPP-SP2 Project Management	SNF-102
		A.1.01.00.02.02.LC U-233 & ULWBR Fuel Transfers	SNF-102
		A.1.01.00.02.04.LC Rover Parka Fuel Inventories and Offsite Shipment	SNF-102
		A.1.01.00.02.05.LC Miscellaneous SNM Shipments from CPP-651	SNF-102
		A.1.01.00.02.06.LC CPP-651 Maintained Facilities	SNF-102
	A.1.01.00.03 CPP-SP3 SNF and Calcine Disposition		
		A.1.01.00.03.00.LC SP-3 Project Management	SNF-103
		A.1.01.00.03.01.LC NSNFP Execution & Information Management	SNF-101
		A.1.01.00.03.02.LC CPP-SP3 SNFDSP M&O Support	SNF-103
		A.1.01.00.03.03.LC CPP-SP3 SNF Disposition Data	SNF-103
		A.1.01.00.03.04.LC CPP-SP3 DOE-ID Managed SNF Activities	SNF-102
		A.1.01.00.03.05.LC CPP-SP3 Treatment of Spent Nuclear Fuel	SNF-102
		A.1.01.00.03.06.LC CPP-SP3 Technology Direction & Integration	SNF-103
		A.1.01.00.03.07.LC CPP-SP3 FSV Transferred Fuel	SNF-103
		A.1.01.00.03.08.LC CPP-SP3 CPP-749 Fuel Transfers	SNF-103
		A.1.01.00.03.09.LC CPP-SP3 CPP-1774 Fuel Transfers to SNFDSP	SNF-103
		A.1.01.00.03.0A.LC CPP-SP3 SNFDSP Facility Activities	SNF-103
		A.1.01.00.03.0B.LC CPP-SP3 Repository Analysis	SNF-101
		A.1.01.00.03.0C.LC CPP-SP3 Transportation & Packaging	SNF-101
		A.1.01.00.03.0D.LC CPP-SP3 Materials & Technology	SNF-101
		A.1.01.00.03.0E.LC CPP-SP3 Quality Assurance	SNF-101
		A.1.01.00.03.0F.LC CPP-SP3 IFSF Transfered Fuel	SNF-103
		A.1.01.00.03.0H.LC SNF Project Management (SNF-102/103)	SNF-103
		A.1.01.00.03.0I.L1 Calcine Disposition Project Management	HLW-103
		A.1.01.00.03.10.L1 RCRA Regulatory Strategy Direct Disposal	HLW-103
		A.1.01.00.03.10.L2 RCRA Regulatory Strategy Alternate Treatment	HLW-103
		A.1.01.00.03.10.L3 NEPA	HLW-103
		A.1.01.00.03.10.L5 RCRA Permitting	HLW-103
		A.1.01.00.03.11.L1 Alternate Treatment	HLW-103
		A.1.01.00.03.11.L2 Remote Characterization	HLW-103
		A.1.01.00.03.12.L1 Retrieval	HLW-103

			FY 2003 PBS ID
		A.1.01.00.03.13.L1 Canister Development	HLW-103
		A.1.01.00.03.13.L3 Modeling- TSPA	HLW-103
		A.1.01.00.03.15.L1 Calcine Engineering Support	HLW-103
		A.1.01.00.03.16.L1 Conceptual Design	HLW-103
		A.1.01.00.03.16.L2 Title I Design	HLW-103
		A.1.01.00.03.16.L3 Title II Design	HLW-103
		A.1.01.00.03.17.L1 Construction	HLW-103
		A.1.01.00.03.17.L2 Facility Acceptance & Turnover	HLW-103
		A.1.01.00.03.18.L1 Retrieval & Packaging	HLW-103
		A.1.01.00.03.18.L2 Shipping	HLW-103
	A.1.01.00.04 CPP-SP4 SBW to WIPP		
		A.1.01.00.04.01.LC SBW Project Management - LC	HLW-102
		A.1.01.00.04.02.LC SBW Engineering & Design - LC	HLW-102
		A.1.01.00.04.03.LC SBW Technology Development - LC	HLW-102
		A.1.01.00.04.04.LC SBW Project Controls - LC	HLW-102
		A.1.01.00.04.07.LC SBW Permitting - ES&H\QA - LC	HLW-102
		A.1.01.00.04.08.LC SBW Construction - LC	HLW-102
		A.1.01.00.04.09.LC SBW Operations - LC	HLW-102
	A.1.01.00.05 CPP-SP5 Integrated Tank Farm Closure		
		A.1.01.00.05.01.L1 OU 3-14 Tank Farm Soils Remediation	ER-103
		A.1.01.00.05.02.L1 Tank Closure Project Management	HLW-105
		A.1.01.00.05.03.L1 Closure of Tanks WM-184 WM-185 & WM-186	HLW-105
		A.1.01.00.05.04.L1 Closure of Tanks WM-103 WM-104 WM-105 & WM-106	HLW-105
		A.1.01.00.05.05.L1 Closure of Tanks WM-180 & WM-181	HLW-105
		A.1.01.00.05.06.L1 Closure of Tanks WM-187 WM-188 WM-189 & WM-190	HLW-105
	A.1.01.00.06 CPP-SP6 Excess Facilities Disposition & D&D		
		A.1.01.00.06.01.L1 VCO SITE-TANK-005 INTEC	VCO-101
		A.1.01.00.06.02.L1 Group 2 CPP-601/602 D&D/CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.02.L2 Group 2 CPP-604/605/649 D&D/CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.02.L3 Group 2 CPP-603 D&D/CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.02.L4 Group 2 Pre-Remediation CERCLA Activities	ER-103 ER-109
		A.1.01.00.06.03.L1 Group 3 Set 1 Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.03.L2 Group 3 Set 2 Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.03.L3 Group 3 Set 3 Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.03.L4 Group 3 Set 4 Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.03.L5 Group 3 Set 5 Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.03.L6 Group 3 Set 6 Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.03.L7 Group 3 CERCLA Documentation and Integration	ER-103 ER-109
		A.1.01.00.06.04.L1 Group 4 Perched Water CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.04.L5 Group 5 Snake River Plain Aquifer CERCLA Remedy	ER-103 ER-109
		A.1.01.00.06.06.L1 Group 6 Gas Cylinder Sites CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.07.L1 Group 7 SFE-20 Hot Waste Tank CERCLA Remediation	ER-103 ER-109
		A.1.01.00.06.08.L1 INTEC Monitoring	ER-103 ER-109
		A.1.01.00.06.09.L1 FSV D&D	SNF-103
		A.1.01.00.06.10.L1 INTEC SP6 Integration & Compliance	ER-103 ER-109
		A.1.01.00.06.DD.L0 D&D Tank Farm Buildings	OIM-110
		A.1.01.00.06.DD.L1 INTEC D&D CPP-601 Area	OIM-110
		A.1.01.00.06.DD.L2 INTEC D&D CPP-637 Area	OIM-110
		A.1.01.00.06.DD.L3 INTEC D&D Coal Fired Boiler Facilities	OIM-110
		A.1.01.00.06.DD.L4 INTEC D&D CPP Misc. Facilities	OIM-110
		A.1.01.00.06.DD.L5 INTEC D&D Facilities End State	OIM-110
		A.1.01.00.06.DD.L6 INTEC D&D Facilities 2020-32	OIM-110
		A.1.01.00.06.DD.L7 INTEC D&D 2004-20 PMP Compliance	OIM-110
		A.1.01.00.06.DD.L8 INTEC D&D Future Facilities	OIM-110
		A.1.01.00.06.DD.L9 INTEC DD&D Bin Sets	OIM-110
A.1.02.00 TAN Completion			
	A.1.02.00.00 TAN-SP0 Project Support & Facility Authority		
		A.1.02.00.00.01 TAN Area Consolidation	New

			FY 2003 PBS ID
		A.1.02.00.00.02 TAN Management and Support	New
		A.1.02.00.00.02.01 VCO Integration & Characterization Documents	VCO-101
		A.1.02.00.00.03 TAN Minimum Safe and Minimum Compliance	SNF-103
	A.1.02.00.01 TAN-SP1 TAN 607 Facilities		
		A.1.02.00.01.01 TAN 607 - North Area Structures and Buildings	OIM-111 OIM-110
		A.1.02.00.01.02 TAN 607 - Central Area Structures and Buildings	OIM-110 OIM-111
		A.1.02.00.01.02.01 VCO TAN-031 Demineralized Water System RCRA Closure	VCO-101
		A.1.02.00.01.03 TAN 607 - South Area Structures and Buildings	OIM-111 OIM-110
		A.1.02.00.01.04 TAN 616 - Liquid Waste Treatment System	ER-101
		A.1.02.00.01.04.01 VCO New TAN-008	VCO-101
		A.1.02.00.01.05.01 WP-1 V-Tanks Project Management and Support	ER-101
		A.1.02.00.01.05.03 WP-3 V-Tanks Volume Monitoring and Waste Managemen	ER-101
		A.1.02.00.01.05.04 WP-4 V-Tanks Tech Evaluation and ROD Amendment	ER-101
		A.1.02.00.01.05.05 PP-5 New Group 2 V-Tanks RD/RAWP	ER-101
		A.1.02.00.01.05.06 PP-6 V-Tanks Remedial Action	ER-101
		A.1.02.00.01.05.07 PP-7 OU 1-10 Remedial Action Report	ER-101
		A.1.02.00.01.06.01 PP-1 TSF-46 TAN 616 Soils	ER-101
		A.1.02.00.01.06.02 PP-2 TDSF-47 TAN 615 Sewer Line Soils	ER-101
		A.1.02.00.01.06.03 PP-3 TSF-48 TAN 615 Sump Soils	ER-101
	A.1.02.00.02 TAN-SP2 WRRTF Facilities		
		A.1.02.00.02.01 WRRTF Structures and Buildings	OIM-111 OIM-110
	A.1.02.00.03 TAN-SP3 LOFT Facilities		
		A.1.02.00.03.01.01 VCO TAN-010 Boiler Fuel Oil System RCRA Closure	VCO-101
		A.1.02.00.03.01.02 VCO TAN-020 HTRE Mercury Contamination Sump System	VCO-101
		A.1.02.00.03.01.03 VCO TAN System Isolations	VCO-101
		A.1.02.00.03.02 LOFT Utility Disconnect and Reconfiguration	New
		A.1.02.00.03.03 LOFT D&D&D	New
	A.1.02.00.04 TAN-SP4 TSF/Balance of TAN		
		A.1.02.00.04.01 SNF Pads and Material	New
		A.1.02.00.04.02 TSF DD&D/VCO	OIM-111 OIM-110
		A.1.02.00.04.02.01 VCO Simple System Closure	VCO-101
		A.1.02.00.04.03 TAN 607 Operational Dependent	OIM-111 OIM-110
		A.1.02.00.04.04.01 WP-8 Project Management and Support	ER-101
		A.1.02.00.04.04.02 WP-4 TSF-06 and TSF-26 Soil Remedial Action	ER-101
		A.1.02.00.04.04.03 WP-13 Group 3 Sites Remedial Design/Remedial Actio	ER-101
		A.1.02.00.04.04.04 PP-7 PM-2A Tanks Remedial Action	ER-101
		A.1.02.00.04.04.05 PP-11 Burn Pits Remedial Action	ER-101
		A.1.02.00.04.04.06 PP-6 OU 1-10 First Five Review	ER-101
		A.1.02.00.04.05.01 WP-1 WAG 1 PM and Cleanup Support	ER-101
		A.1.02.00.04.05.02 PP-2 New Site Disposition and Transfer to WAG 10	ER-101
A.1.03.00 Clean/Close RWMC			
	A.1.03.00.00 WMF-SP0 Project Support & Facility Authority		
		A.1.03.00.00.01.01 RWMC Project/PBS Management	ER-107, WM-108
		A.1.03.00.00.02.01 Project/RWMC Facility Management	WM-103
		A.1.03.00.00.03.01 Environmental Protection & Permitting	WM-103
		A.1.03.00.00.03.02 ES&H Training	WM-103
		A.1.03.00.00.03.03 Quality Assurance	WM-103
		A.1.03.00.00.03.04 Emergency Preparedness	WM-103
		A.1.03.00.00.03.05 Fire Protection	WM-103
		A.1.03.00.00.03.06 Industrial Hygiene	WM-103
		A.1.03.00.00.03.07 Industrial Safety	WM-103
		A.1.03.00.00.03.08 Nuclear Safety	WM-103
		A.1.03.00.00.03.09 Radiation Protections	WM-103
		A.1.03.00.00.03.10 Management and Oversight	WM-103
		A.1.03.00.00.04.01 RWMC SSC Engineering Management	WM-103
		A.1.03.00.00.04.02 RWMC SSC Configuration Management	WM-103
		A.1.03.00.00.04.03 RWMC Building Radiological Instruments	WM-103
		A.1.03.00.00.04.04 RWMC Documents and Records Management	WM-103

			FY 2003 PBS ID
		A.1.03.00.00.05.01 RWMC Landlord Operations Services	WM-103, WM-101
		A.1.03.00.00.06.01 RWMC Capital Equipment	WM-103
		A.1.03.00.00.07.01 AMWTP BBWI Technical Support	WM-105, WM-101
		A.1.03.00.00.07.02 AMWTP DOE-ID Funds (PBS WM-105)	WM-105
		A.1.03.00.00.08.01 RWMC Waste Storage Operations	WM-103
		A.1.03.00.00.08.02 DRCT Waste Disposition	WM-101
		A.1.03.00.00.09.01 RWMC Computer Maintenance and Server Administration	WM-103
		A.1.03.00.00.09.02 RWMC Data Networks and Communications	WM-103
	A.1.03.00.01 WMF-SP1 RH-TRU to WIPP		
		A.1.03.00.01.01.01 RH TRU Administration	WM-103
		A.1.03.00.01.01.02 RH TRU Quality Assurance	WM-103
		A.1.03.00.01.01.03 RH TRU Site Project Office	WM-103
		A.1.03.00.01.01.04 RH TRU Training	WM-103
		A.1.03.00.01.01.05 RH TRU System Authorization Basis Modifications & I	WM-103
		A.1.03.00.01.01.06 RH TRU Deactivation and Closeout	WM-103
		A.1.03.00.01.01.07 TRU Technical Support and Integration	WM-103
		A.1.03.00.01.02.01 RH TRU WMF-628 Modifications Capital Asset Project	WM-103
		A.1.03.00.01.02.02 RH TRU WMF-628 Modifications Support and Startup	WM-103
		A.1.03.00.01.02.03 RH TRU Phase I Capital Equipment	WM-103
		A.1.03.00.01.03.01 RH TRU Repackaging Systems Implementation Capital A	WM-103
		A.1.03.00.01.03.02 RH TRU Repackaging Systems Support and Startup	WM-103
		A.1.03.00.01.04.01 RH TRU Waste Retrieval Operations	WM-103
		A.1.03.00.01.05.01 RH TRU Waste Characterizations Systems Development	WM-103
		A.1.03.00.01.05.02 RH TRU Waste Characterizatin Systems Operations	WM-103
		A.1.03.00.01.06.01 RH TRU Transportatin Systems Development	WM-103
		A.1.03.00.01.06.02 RH TRU Waste Transportation Operations	WM-103
	A.1.03.00.02 WMF-SP2 Subsurface Disposal Area		
		A.1.03.00.02.01.01 Remedial Investigation 0 Baseline Risk Assessment (	ER-107
		A.1.03.00.02.01.02 Feasibility Study (FS)	ER-107
		A.1.03.00.02.01.03 Decision-making	ER-107
		A.1.03.00.02.01.04 Pre-Remedial Design Studies	ER-107
		A.1.03.00.02.02.01 In Situ Thermal Desorption (ISTD) Work Plan	ER-107
		A.1.03.00.02.02.02 In Situ Grout (ISG) Work Plan	ER-107
		A.1.03.00.02.02.03 Excavation/Retrieval/Disposal Work Plan	ER-107
		A.1.03.00.02.02.04 Surface Barriers Work Plan	ER-107
		A.1.03.00.02.03.01 In Situ Thermal Desorption (ISTD) Action	ER-107
		A.1.03.00.02.03.02 In Situ Grout (ISG) Action	ER-107
		A.1.03.00.02.03.03 Excavation/Retrieval/Disposal Action	ER-107
		A.1.03.00.02.03.04 Surface Barriers Action	ER-107
		A.1.03.00.02.03.05 Surveillance Monitoring & Maintenance	ER-107
		A.1.03.00.02.04.01 OU 7-13/14 Management & Administration	ER-107
		A.1.03.00.02.05.01 SDA Infiltration Minimization	ER-107
		A.1.03.00.02.05.02 Contaminant Mobility Reduction	ER-107
	A.1.03.00.03 WMF-SP3 OU 7-10		
		A.1.03.00.03.01.01 GEM Operations	ER-107
		A.1.03.00.03.01.02 GEM Safe Shutdown & D D&D	ER-107
		A.1.03.00.03.01.03 GEM Project Management & Administration	ER-107
		A.1.03.00.03.02.01 Stage III ESH&Q	ER-107
		A.1.03.00.03.02.02 Stage III Design Engineering	ER-107
		A.1.03.00.03.02.03 Stage III Procurement	ER-107
		A.1.03.00.03.02.04 Stage III Construction	ER-107
		A.1.03.00.03.02.05 Stage III Safe Shutdown and D&D	ER-107
		A.1.03.00.03.02.06 Stage III Operations	ER-107
		A.1.03.00.03.02.07 Stage III Project Management & Administration	ER-107
		A.1.03.00.03.03.01 Project Management	ER-107
		A.1.03.00.03.03.02 RWMC Site Administration	ER-107
		A.1.03.00.03.03.03 RWMC Litigation Support	ER-107
	A.1.03.00.05 WMF-SP5 Excess Facilities Disposition & D&D		
		A.1.03.00.05.01.01 RWMC Excess Facilities Disposition & D&D	New

			FY 2003 PBS ID
A.1.04.00 Remaining INEEL Completion Cleanup			
	A.1.04.00.00 CLN-SP0 Project Support & Facility Authority		
		A.1.04.00.00.01.01 Project Support and Facility Authority	ER-108
		A.1.04.00.00.01.02 WM Program PMB Oversight	WM-108
	A.1.04.00.01 CLN-SP1 MLLW Backlog Disposition		
		A.1.04.00.01.01.01 Commercial Treatment & Disposal	WM-101
		A.1.04.00.01.02.01 MLLW Characterization	WM-101
		A.1.04.00.01.04.01 MLLW Storage/Maintenance - CPP 1617	WM-101
		A.1.04.00.01.05.01 Disposition of LLW Exceeding One Year	WM-101
		A.1.04.00.01.05.02 Liquid LLW Disposition	WM-101
		A.1.04.00.01.06.01 Project Management	WM-101
		A.1.04.00.01.07.DF Decon Facility Ops	HLW-101
		A.1.04.00.01.07.FL Leached HEPA Filters	HLW-101
		A.1.04.00.01.07.MA Decon Facility Maintenance	HLW-101
		A.1.04.00.01.07.PS Decon Facility Project Support	HLW-101
	A.1.04.00.02 TRA-SP1 TRA Completion		
		A.1.04.00.02.AA.01 TRA D&D Activities	OIM-110
		A.1.04.00.02.AA.02 MTR Canal Deactivation Basin Closures	OIM-110
		A.1.04.00.02.AA.03 TRA Reactor Deactivation	OIM-110
		A.1.04.00.02.BB.01 VCO TRA Other	VCO-101
		A.1.04.00.02.BB.02 Sub-Project management	OIM-110
		A.1.04.00.02.CC.01 VCO TRA Tanks	VCO-101
	A.1.04.00.04 PBF-SP1 PBF/WERF/WROC Completion		
		A.1.04.00.04.AA.01 Control Area	OIM-110
		A.1.04.00.04.AA.02 Reactor Area	OIM-110
		A.1.04.00.04.AA.03 WERF/WROC/WWSF	OIM-110
		A.1.04.00.04.AA.04 PBF-620 Deactivation Basin Closure	OIM-110
		A.1.04.00.04.AA.05 PBF Reactor Deactivation	OIM-110
		A.1.04.00.04.BB.01 New - PBF - 001	VCO-101
		A.1.04.00.04.CC.01 Remedial Design/Remedial Action	ER-105
		A.1.04.00.04.CC.02 Surveillance and Monitoring	ER-105
		A.1.04.00.04.DD.01 Project Authority	WM-101
		A.1.04.00.04.EE.01 PBF/WERF/WROC	WM-101
	A.1.04.00.05 SW-SP1 CFA & Site Wide Completion		
		A.1.04.00.05.01.10 ICDF Project Management	ER-103
		A.1.04.00.05.01.20 ICDF Cell 2 Remecial Design	ER-103
		A.1.04.00.05.01.30 ICDF Cell 2 Remedial Action	ER-103
		A.1.04.00.05.01.40 ICDF Cell 2 Construction	ER-103
		A.1.04.00.05.01.50 ICDF Cell 2 Start-up	ER-103
		A.1.04.00.05.01.70 SSSTF	ER-103
		A.1.04.00.05.02.34 ICDF Cell Closures and Install Cap	ER-103
		A.1.04.00.05.02.36 Pond Closures and Install Cap	ER-103
		A.1.04.00.05.03.01 ICDF Facility Management	ER-103
		A.1.04.00.05.03.02 ICDF Landfill Operations	ER-103
		A.1.04.00.05.03.03 ICDF Evaporation Pond Operations	ER-103
		A.1.04.00.05.03.04 ICDF SSSTF Operations	ER-103
		A.1.04.00.05.AA.01 CFA 04 Project Close-out	ER-105
		A.1.04.00.05.AA.02 WAG 4 O&M	ER-105
		A.1.04.00.05.AA.03 OU 10-04 Institutional Controls Remedial Action (WA	ER-105
		A.1.04.00.05.AA.04 OU 10-04 TNT/RDX Sites Remedial Design	ER-105
		A.1.04.00.05.AA.05 OU 10-04 TNT/RDX Sites Remedial Action	ER-105
		A.1.04.00.05.AA.06 OU 10-04 STF-02 Gun Range Remedial Design	ER-105
		A.1.04.00.05.AA.07 OU 10-04 STF-20 Gun Range Remedial Action	ER-105
		A.1.04.00.05.AA.08 OU 10-04 UXO Areas Remedial Design	ER-105
		A.1.04.00.05.AA.09 OU 10-04 UXO Areas Remedial Action	ER-105
		A.1.04.00.05.AA.11 OU 10-08 RI/FS Scoping/Implementation	ER-105
		A.1.04.00.05.AA.12 OU 10-08 RI/FS Decision Making	ER-105
		A.1.04.00.05.AA.13 OU 10-08 Remedial Design	ER-105

			FY 2003 PBS ID
		A.1.04.00.05.AA.14 OU 10-08 Remedial Action	ER-105
		A.1.04.00.05.AA.15 OU 10-08 5-year Review: Transition to Outyear Monit	ER-105
A.1.04.01 Remaining INEEL Completion Cross-Cut Support			
	A.1.04.01.00 CC-SP1 EM Project Integration		
		A.1.04.01.00.01.01 EM Baseline Administration and Reporting	WM-108
		A.1.04.01.00.01.02 EM Communications/Public Participation	WM-108
		A.1.04.01.00.01.03 EM End State Planning	WM-108
		A.1.04.01.00.01.04 EM Regulatory Integration	WM-108
		A.1.04.01.00.01.05 EM NE Transition Interface	WM-108
		A.1.04.01.00.01.06 EM PMP PjMP and Mid-Level Schedule Integration	WM-108
	A.1.04.01.01 CC-SP2 INEEL Clean up Enablers		
		A.1.04.01.01.02.03 D&D Pre FY-07 Program Support Outyear Planning	OIM-110
		A.1.04.01.01.02.05 D&D Post FY-06 Program Support Outyear Planning	OIM-110
		A.1.04.01.01.02.06 Site Wide Reactor NEPA Documentation	OIM-110
		A.1.04.01.01.03.01 VCO Service Team Management and Integration	VCO-101
		A.1.04.01.01.04.01 VCO Site-Tank-005 Integration	VCO-101
	A.1.04.01.02 CC-SP3 INEEL Surveillance & Long-term Operations		
		A.1.04.01.02.AA.01 SMLTO Project Management	ER-108
		A.1.04.01.02.AA.02 CERCLA Stakeholder Coordination & PR	ER-108
		A.1.04.01.02.AA.03 LTS Strategic Planning & Integration	ER-108
		A.1.04.01.02.AA.04 Regulatory Compliance /Science Engineering and Ri	ER-108
		A.1.04.01.02.AA.05 Data Systems Ops/Enviro Database Dev/Systems Analys	ER-108
		A.1.04.01.02.BB.01 OU 7-13/14 Probing	ER-108
		A.1.04.01.02.BB.02 OU 7-13/14 Operations	ER-108
		A.1.04.01.02.BB.03 Pad A	ER-108
		A.1.04.01.02.BB.04 Well Services/Well Construction	ER-108
		A.1.04.01.02.BB.05 OU 1-07B TAN Groundwater Remediation	ER-108
		A.1.04.01.02.BB.06 OU 7-08 OCVZ	ER-108
		A.1.04.01.02.BB.07 Field Operations	ER-108
		A.1.04.01.02.CC.01 Routine Monitoring	ER-108
		A.1.04.01.02.CC.02 Ecological Monitoring	ER-108
		A.1.04.01.02.CC.03 Instutional Controls Operations and Strategic Plann	ER-108
		A.1.04.01.02.CC.04 WCF Post Closure	HLW-101
		A.1.04.01.02.CC.05 Integrated Groundwater Project	WM-106
		A.1.04.01.02.CC.06 Integrated Groundwater Stakeholder Involvement	ER-108
		A.1.04.01.02.DD.01 Sitewide LTS Info Sys Imp Plan & Records Requiremen	WM-106
	A.1.04.01.03 CC-SP4 Evironmental Services		
		A.1.04.01.03.01.01 Site Treatment Plan	WM-108
		A.1.04.01.03.02.01 IWTS Operating Support	WM-101
		A.1.04.01.03.02.02 IWTS Software Maintenance Support	WM-101
		A.1.04.01.03.02.03 PM & Technical Support	WM-101
		A.1.04.01.03.03.01 Transportation Compliance	WM-101
		A.1.04.01.03.04.01 ESH&QA Compliance	WM-101
		A.1.04.01.03.05.01 CPP-1619 Ops & Maintenance	WM-101
		A.1.04.01.03.06.02 LLW Technical Planning	WM-101
		A.1.04.01.03.06.03 Offsite LLW Disposal Support	WM-101
		A.1.04.01.03.06.04 1 m3 RH-LLW Shipping Cask Procurement	WM-101
		A.1.04.01.03.06.05 RWMC LLW Disposal Pit Closure & Transition	WM-101
		A.1.04.01.03.06.06 Waste Disposal & Landfill Project Management	WM-101
		A.1.04.01.03.07.01 Hazardous Waste Integration	WM-101
		A.1.04.01.03.08.01 SAM Recovery	ER-109
		A.1.04.01.03.08.02 Sampling	WM-101
		A.1.04.01.03.09.01 LLW Vaults	WM-101
		A.1.04.01.03.10.01 Program Management	WM-101
		A.1.04.01.03.10.02 P&C Support (FY04)	WM-108
		A.1.04.01.03.11.01 CH-LLW Offsite Disposal Support	WM-101
		A.1.04.01.03.11.03 RWMC LLW Disposal Operations	WM-101
		A.1.04.01.03.11.04 RWMC LLW Disposal Authorization	WM-101

			FY 2003 PBS ID
		A.1.04.01.03.11.05 RWMC LLW Disposal Maintenance	WM-101
		A.1.04.01.03.11.06 Staging/Shipping Facility Operations Startup	WM-101
		A.1.04.01.03.12.01 Project Development	WM-101
		A.1.04.01.03.12.02 Title I and Title II Design	WM-101
		A.1.04.01.03.12.03 Facility Construction	WM-101
		A.1.04.01.03.13.01 Ambient Air	WM-106
		A.1.04.01.03.13.02 Air Effluent	WM-106
		A.1.04.01.03.14.01 Liquid Effluent	WM-106
		A.1.04.01.03.14.02 Drinking Water	WM-106
		A.1.04.01.03.14.03 Storm Water Pollution Prevention	WM-106
		A.1.04.01.03.14.04 Groundwater	WM-106
		A.1.04.01.03.15.01 Soils & Biota	WM-106
		A.1.04.01.03.16.01 Environmental Reporting	WM-106
		A.1.04.01.03.16.02 Sub-Project Documentation/Control	WM-106
		A.1.04.01.03.17.01 MLLW Integration	WM-101
		A.1.04.01.03.19.01 Lead Disposition	HLW-101
		A.1.04.01.03.20.FL Leached HEPA Filters	HLW-101
		A.1.04.01.03.21.01 MLLW with No Path to Disposal	WM-101