Tank Waste Remediation System Multi-Year Work Plan

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Office of Environmental Restoration and
Waste Management

**Westinghouse
Hanford Company**

P.O. Box 1970
Richland, Washington

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WHC Information Release Administration Specialist:

Kara Broz

(Signature)

September 29, 1994

(Date)

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O
N4A11F02	TCAP TANK CHARACTERIZATION ADVISORY	02OCT95	30SEP96				
N4A11F03	TCAP TANK CHARACTERIZATION ADVISORY	01OCT96	30SEP97				
N4A11G01	TPA QUARTERLY REPORTS	03OCT94	29SEP95				
N4A11G02	TPA QUARTERLY REPORTS	02OCT95	30SEP96				
N4A11G03	TPA QUARTERLY REPORTS	01OCT96	30SEP97				
N4A11H01	SSA SST RISER DEMO	03OCT94*	29SEP95				
N4A11H02	SSA SST RISER DEMO	02OCT95	30SEP96				
N4A11H03	SSA SST RISER DEMO	01OCT96	30SEP97				
N4A11J01	PNL PROGRAM MANAGEMENT	03OCT94*	29SEP95				
N4A11J02	PNL PROGRAM MANAGEMENT	02OCT95	30SEP96				
N4A11J03	PNL PROGRAM MANAGEMENT	01OCT96	30SEP97				
1.1.2.04.02 Technology Development and Applied Engineering							
C00B201	Develop Analytical Procedures	27SEP97	30SEP00				
C00B402	Integrate/Transfer Char Tech. To Labs/Field	01OCT97	04OCT00				
1.1.2.04.02.01 Activity Program Management							
N4B210A01	TECH DEVELOP/APPLIED ENGR ACTIVITY	03OCT94*	29SEP95				
N4B210A02	TECH DEVELOP/APPLIED ENGR ACTIVITY	02OCT95	30SEP96				
N4B210A03	TECH DEVELOP/APPLIED ENGR ACTIVITY	01OCT96	30SEP97				
1.1.2.04.02.02 Hot Cell Instrumentation Development							
N4B220A01	ADVANCED HOT CELL ANAL TECH	03OCT94	29SEP95				
N4B220A01	ESTABLISH STRATEGY HOT CELL TECHNOLOGY	01MAR95	28FEB95				
N4B220A01	COMPL INTEGRATED HOT CELL SCHEDULE	02OCT95	29SEP95				
N4B220A02	ADVANCED HOT CELL ANAL TECH	02OCT95	30SEP96				
N4B220A03	ADVANCED HOT CELL ANAL TECH	01OCT96	30SEP97				
N4B220B01	HOT CELL SPECTROSCOPY SCREENING	03OCT94*	29SEP95				
N4B220B02	HOT CELL SPECTROSCOPY SCREENING	02OCT95	30SEP96				
N4B220B03	HOT CELL SPECTROSCOPY SCREENING	01OCT96	30SEP97				
N4B220B04	PROCURE CAP EQUIP RAMAN SPEC SCREEN	02FEB95*	29SEP95				
N4B220B05	PROCURE CAP EQUIP RAMAN SPEC SCREEN	02FEB96*	30SEP96				
N4B220D01	DEVELOP/INST NEAR-INFRARED SPECTROSCOPY	03OCT94*	29SEP95				
N4B220D02	DEVELOP/INST NEAR-INFRARED SPECTROSCOPY	02OCT95	30SEP96				
N4B220D03	DEVELOP/INST NEAR-INFRARED SPECTROSCOPY	01OCT96	30SEP97				
N4B220F01	305 COLD CELL-SCANNING MACHINE	03OCT94*	30NOV94				
N4B220H01	ACOUSTIC TANK IMAGING(FY95)	03OCT94*	29SEP95				
N4B220H02	ACOUSTIC TANK IMAGING(FY96)	02OCT95	30SEP96				
N4B220H03	ACOUSTIC TANK IMAGING(FY97)	01OCT96	30SEP97				
1.1.2.04.02.03 Analytical Procedures Development							

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O								
1.1.2.04.02.07 Characterization Methods Development Pacific Nor																																																			
N4B270A01	LA/MS TECHNICAL COORDINATION(FY 95)	03OCT94*	29SEP95																																																
N4B270A02	LA/MS TECHNICAL COORDINATION(FY 96)	02OCT95	30SEP96																																																
N4B270A03	LA/MS TECHNICAL COORDINATION(FY 97)	01OCT96	29SEP97																																																
N4B270B01	LA/MS LAB TESTING(FY95)	03OCT94*	29SEP95																																																
N4B270B02	LA/MS LAB TESTING (FY96)	02OCT95	30SEP96																																																
N4B270B03	LA/MS LAB TESTING (FY97)	01OCT96	30SEP97																																																
N4B270C01	LA/MS PERFORMANCE TESTING(FY95)	03OCT94*	29SEP95																																																
N4B270C02	LA/MS PERFORMANCE TESTING(FY96)	02OCT95	30SEP96																																																
N4B270C03	LA/MS PERFORMANCE TESTING(FY97)	01OCT96	30SEP97																																																
N4B270D01	LA/MS HOT CELL DEVELOPMENT&TESTING(FY95)	03OCT94*	29SEP95																																																
N4B270D02	LA/MS HOT CELL DEVELOPMENT&TESTING(FY96)	02OCT95	30SEP96																																																
N4B270D03	LA/MS HOT CELL DEVELOPMENT&TESTING(FY97)	01OCT96	30SEP97																																																
N4B270D04	PROCURE HOT CELL CAPITAL EQUIP(FY95)	03OCT94*	29SEP95																																																
N4B270D05	PROCURE HOT CELL CAPITAL EQUIP(FY96)	02OCT95	30SEP96																																																
N4B270E01	AUTOMATE RADIOCHEMICAL	02OCT95	30SEP96																																																
N4B270E02	AUTOMATE RADIOCHEMICAL	01OCT96	30SEP97																																																
N4B270E03	AUTOMATE RADIOCHEMICAL	01OCT97	30SEP98																																																
N4B270E04	PROCURE CAPITAL EQUIPMENT(FY96)	02OCT95*	30SEP96																																																
N4B270E06	PROCURE CAPITAL EQUIPMENT(FY97)	01OCT96	30SEP97																																																
N4B270F01	DEV METH TECHNIUM	02OCT95	30SEP96																																																
N4B270F02	DEV METH TECHNIUM	01OCT96	30SEP97																																																
N4B270F03	DEV METH TECHNIUM	01OCT97	30SEP98																																																
N4B270H01	MICROWAVE DIGESTION METHODS	03OCT94*	17FEB95																																																
N4B270I01	SUPERCRITICAL FLUID EXTRACTION METHODS	03OCT94*	28APR95																																																
N4B270J01	PHYSICAL PROPERTIES METHODS DEVELOPMENT	03OCT94	15SEP96																																																
N4B270K01	NOBLE METALS METHODS	02OCT95	30SEP96																																																
N4B270K02	NOBLE METALS METHODS	01OCT96	30SEP97																																																
N4B270K03	PROCURE CAPITAL EQUIP-NOBLE METALS(FY96)	02OCT95*	30SEP96																																																
N4B270K04	PROCURE CAPITAL EQUIP-NOBLE METALS(FY 97)	01OCT96	30SEP97																																																
N4B270L01	LABORATORY ROBOTICS AUTOMATION(FY96)	02OCT95	27SEP96																																																
N4B270L02	LABORATORY ROBOTICS AUTOMATION(FY97)	01OCT96	30SEP97																																																
N4B270L03	LABORATORY ROBOTICS AUTOMATION(FY98)	01OCT97	30SEP98																																																
N4B270L04	PROCURE CAPITAL EQUIP LAB ROBOTICS	02OCT95	27SEP96																																																
N4B270L05	PROCURE CAPITAL EQUIP LAB ROBOTICS	30SEP96	29SEP97																																																
N4B270L06	PROCURE CAPITAL EQUIP-LAB ROBOTICS	30SEP97	29SEP98																																																
N4B270M01	ANALYTICAL PROCED DEVELOP-PROJ	03OCT94*	29SEP95																																																

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
N4C32A125	RMCS HEALTH PHYSICS & SNIFFER - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A126	RMCS FABRICATION AND WELDING - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A127	RMCS EQUIPMENT DECONTAMINATION - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A128	RMCS DRAFTING SUPPORT - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A129	RMCS SAMPLE TRANSPORT - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A12A	RMCS PACKAGING SUPPORT - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A12B	RMCS SAFETY & QA - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32A13	RMCS ENGINEERING SUPPORT - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A132	RMCS OPERATIONS SUPPORT - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A132	COLLECT ROTARY CORE SAMPLES FROM HIGH		30SEP97				
N4C32A133	RMCS PLANNING-SCHEDULING-PROC-WRITING -	01OCT96*	30SEP97	J	A	S	O
N4C32A134	RMCS MAJOR MAINT-CRANE-RIGGING - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A135	RMCS HEALTH PHYSICS & SNIFFER - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A136	RMCS FABRICATION AND WELDING - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A137	RMCS EQUIPMENT DECONTAMINATION - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A138	RMCS DRAFTING SUPPORT - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A139	RMCS SAMPLE TRANSPORT - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32A13A	RMCS PACKAGING SUPPORT - FY97	01OCT97*	30SEP98	J	A	S	O
N4C32A13B	RMCS SAFETY & QA - FY97	01OCT96*	30SEP97	J	A	S	O
N4C32B11	PMCS ENGINEERING SUPPORT - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B112	PMCS OPERATIONS SUPPORT - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B113	PMCS PLANNING, SCHEDULING AND PROC	03OCT94*	29SEP95	J	A	S	O
N4C32B114	PMCS MASJOR MAINT CRANE & RIGGING - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B115	PMCS HEALTH PHYSICS AND SNIFFER - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B116	PMCS FABRICATION AND WELDING - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B117	PMCS EQUIPMENT DECONTAMINATION - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B118	PMCS DRAFTING SUPPORT - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B119	PMCS SAMPLE TRANSPORT - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B11A	PMCS PACKAGING SUPPORT - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B11B	PMCS SAFETY QUALITY ENGINEERING - FY95	03OCT94*	29SEP95	J	A	S	O
N4C32B12	PMCS ENGINEERING SUPPORT - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32B122	PMCS OPERATIONS SUPPORT - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32B123	PMCS PLANNING, SCHEDULING & PROC WRITING -	02OCT95*	30SEP96	J	A	S	O
N4C32B124	PMCS MASJOR MAINT CRANE & RIGGING - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32B125	PMCS HEALTH PHYSICS AND SNIFFER - FY96	02OCT95*	30SEP96	J	A	S	O
N4C32B126	FABRICATION AND WELDING - FY96	02OCT95*	30SEP96	J	A	S	O

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O
N4C35A125	CHAR PROG SUPER SAMP FABRICATION &	02OCT95*	29MAR96				
N4C35A126	CHAR PROG SUPER SAMPLING DRAFTING	02OCT95*	29MAR96				
N4C35A127	CHAR PROG SUPER SAMP SAFETY & QA	02OCT95*	29MAR96				
N4C35B11	PLANT OPS PROG SUPER SAMPLING ENG	03OCT94*	29SEP95				
N4C35B112	PLANT OPS PROG SUPER SAMPLING OPS	03OCT94*	29SEP95				
N4C35B113	PLANT OPS PROG SUPER SAMP	03OCT94*	29SEP95				
N4C35B114	PLANT OPS SUPER SAMP HEALTH PHYSICS &	03OCT94*	29SEP95				
N4C35B115	PLANT OPS PROG SUPER SAMP FAB & WELDING -	03OCT94*	29SEP95				
N4C35B116	PLANT OPS SUPER SAMPLING DRAFTING	03OCT94*	29SEP95				
N4C35B117	PLANT OPS PROG SAMP DRAFTING SUPPORT -	03OCT94*	29SEP95				
N4C35B12	PLANT OPS PROG SUPER SAMPLING ENG	02OCT95*	29MAR96				
N4C35B122	PLANT OPS PROG SUPER SAMPLING OPS	02OCT95*	29MAR96				
N4C35B123	PLANT OPS PROG SUPER PLAN,SCHD,PROC	02OCT95*	29MAR96				
N4C35B124	PLANT OPS SUPER SAMP HEALTH PHYSICS &	02OCT95*	29MAR96				
N4C35B125	PLANT OPS PROG SUPER SAMP FAB & WELDING -	02OCT95*	29MAR96				
N4C35B126	PLANT OPS SUPER SAMPLING DRAFTING	02OCT95*	29MAR96				
N4C35B127	PLANT OPS PROG SAMP DRAFTING SUPPORT -	02OCT95*	29MAR96				
1.1.2.04.03.06 Riser Sampling							
N4C36A11	RISER PREPARATION ENGINEERING SUPPORT -	03OCT94*	29SEP95				
N4C36A12	RISER PREPARATION ENGINEERING SUPPORT -	02OCT95*	30SEP96				
N4C36A13	RISER PREPARATION ENGINEERING SUPPORT -	01OCT96*	30SEP97				
N4C36B12	TANK RISER ADDITIONS - FY96	02OCT95*	30SEP96				
N4C36B13	TANK RISER ADDITIONS - FY97	01OCT96*	30SEP97				
1.1.2.04.03.07 Equipment Replacement							
N4C37A11	PAS-1 AND NCAW CASKS - FY95	03OCT94*	29SEP95				
N4C37B11	CORE SAMPLING TRUCKS #3 & #4 - FY95	03OCT94*	31MAR95				
N4C37B112	CORE SAMPLING ENGINEERING SUPPORT - FY95	03OCT94*	31MAR95				
N4C37B113	PM's AND CALIBRATION - FY95	03OCT94*	31MAR95				
N4C37B115	OPERATING PROCEDURES - FY95	03OCT94*	31MAR95				
N4C37B116	OPERATIONAL TEST PROCEDURES RMCST 3 & 4 -	03OCT94*	31MAR95				
N4C37B117	ROTARY MODE CORE SAMPLING EXHAUSTER -	03OCT94*	31MAR95				
N4C37C11	WASTE TANK SAMPLING SPARES - FY95	03OCT94*	29SEP95				
N4C37C12	WASTE TANKSAMPLING SPARES - FY96	02OCT95*	30SEP96				
N4C37C13	WASTE TANKSAMPLING SPARES - FY97	01OCT96*	30SEP97				
N4C39A111	ENG SUPPORT FOR CENRTC EQUIPMENT	03OCT94*	31MAR95				
1.1.2.04.03.08 Field Sampling Readiness							
N4C38A11	FIELD SAMPLING READINESS - FY95	03OCT94*	27OCT94				

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97																								
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
N4D42B06	Pause	21AUG96	06SEP96																												
N4D42B061	Prepare Phase 7 Report	09SEP96	05MAR97																												
N4D42B06A	OTH Phase 7 Report Issued (3/30/97)		05MAR97																												
N4D42B07	Prepare Phase 8 Report	06MAR97	19AUG97																												
N4D42B07A	OTH Phase 8 Report Issued (9/10/97)		19AUG97																												
N4D42B07B	WHC COMPLETE PH VII & VIII OF SEE (9/15/97)		19AUG97																												
N4D42B11	Prepare 4 Quarterly Status Reports	03OCT94*	30AUG95																												
N4D42C01	Alternative Tasks	03OCT94*	29SEP95																												
N4D42C02	Alternative Tasks	02OCT95	30SEP96																												
N4D42C03	Alternative Tasks	01OCT96	30SEP97																												
N4D42D01	Archive/Disposal Management	03OCT94*	29SEP95																												
N4D42D02	Archive/Disposal Management	02OCT95	30SEP96																												
N4D42D03	Archive/Disposal Management	01OCT96	29SEP97																												
N4D42E01	Perform Re-Evaluation	03OCT94*	29SEP95																												
N4D42E01A	Re-Evaluation Performed		29SEP95																												
N4D42E02	Re-Evaluation Performed	02OCT95	30SEP96																												
N4D42E02A	Perform Re-Evaluation		30SEP96																												
N4D42E03	Perform Re-Evaluation	01OCT96	30SEP97																												
N4D42E03A	Re-Evaluation Performed		30SEP97																												
N4Y380A	FY94 222-S ASSESSMENT	01OCT93*	30SEP94																												
1.1.2.04.04.03 Safety Screening																															
N4D43A01	Complete 35 Sample Preps for Safety Screening DQ	03OCT94*	29SEP95																												
N4D43A02	Complete 35 Sample Preps for Safety Screening DQ	02OCT95	30SEP96																												
N4D43A03	Complete 26 Sample Preps for Safety Screening DQ	01OCT96	30SEP97																												
N4D43B01	Complete 32 Analyses for Safety Screening	03OCT94*	29SEP95																												

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				JASO	NDJFMAJJJASO	NDJFMAJJJASO	NDJFMAJJJASO
N4D43D02	Complete 20 Sample Preps for 325 Lab Safety Scrn	02OCT95	30SEP96				
N4D43D03	Complete 13 Sample Preps for 325 Lab Safety Scrn	01OCT96	30SEP97				
N4D43D04	Complete 18 Analyses for 325 Lab Safety Scrn	01NOV94	29SEP95				
N4D43D05	Complete 21 Analyses for 325 Lab Safety Scrn	02OCT95	30SEP96				
N4D43D06	Complete 12 Analyses for 325 Lab Safety Scrn	01OCT95	30SEP97				
N4D43D07	Transmit 18 45 Day Reports for 325 Safety Scrn	01NOV94	29SEP95				
N4D43D07A	RL 45 Day Data Rpt (per smpl evt) Tx'd (9/30/95)		29SEP95				
N4D43D07B	DNFSB Compl't Sampl/Analy Wchlst Tks (9/30/95)		29SEP95				
N4D43D08	Transmit 21 45 Day Reports for 325 Safety Scrn	02OCT95	30SEP96				
N4D43D08A	RL 45 Day Data Rpt (per smpl evt) Tx'd (5/30/96)		30SEP96				
N4D43D08B	DNFSB Compl't Sampl/Analy NonWchlst Tks (9/30/96)		30SEP96				
N4D43D09	Transmit 12 45 Day Reports for 325 Safety Scrn	01OCT96	30SEP97				
N4D43D09A	RL 45 Day Data Rpt (per smpl evt) Tx'd (9/30/97)		30SEP97				
N4Y330A	ANALYSIS OF SST C-111	01FEB94*	26AUG94				
N4Y330B	ANALYSIS FOR C-108 SAMPLES	02MAY94*	30SEP94				
N4Y330C	ROTARY SST ANALYSIS - BY105	01JUL94*	30SEP94				
N4Y330C0C	ISSUE RESULTS/PRIORITY 1 SAFETY ANALY 14		22SEP94				
N4Y330C0D	ISSUE A MONTHLY QUALITY ASSURANCE DATA		12SEP94*				
N4Y330F	325 Analysis	01APR94*	30SEP94				
N4Y370D	AUGER ANALYSIS AW-101	02MAY94*	06JUL94				
N4Y370E	AUGER ANALYSIS B-102	10MAY94*	15JUL94				
N4Y370F	AUGER ANALYSIS TY-105	23MAY94*	27JUL94				
N4Y370G	AUGER ANALYSIS AY-102	01JUN94*	04AUG94				
N4Y370H	AUGER ANALYSIS AX-104	06JUN94*	09AUG94				
N4Y370J	AUGER ANALYSIS BX-105	10JUN94*	15AUG94				
N4Y370K	AUGER ANALYSIS U-107	15JUL94*	16SEP94				
N4Y370M	AUGER 325 ANALYSIS	02MAY94*	29JUL94				
1.1.2.04.04.04 Safety Resolution							
N4D44A01	Safety Resolution Administration (FY95)	03OCT94*	29SEP95				
N4D44A02	Safety Resolution Administration (FY96)	02OCT95	30SEP96				
N4D44A03	Safety Resolution Administration (FY97)	01OCT96	30SEP97				
N4D44B01	Complete 4 Analyses for Safety Resolution	03OCT94*	29SEP95				
N4D44B02	Complete 16 Analyses for Safety Resolution	02OCT95	30SEP96				
N4D44B03	Complete 7 Analyses for Safety Resolution	01OCT96	30SEP97				
N4D44C01	Transmit 4 216 Day Val Reports for Safety Resol	03OCT94*	29SEP95				
N4D44C01A	RL 216 Day Val Rpt (per smpl evt) Tx'd (9/30/95)		29SEP95				
N4D44C01B	DNFSB Compl't Sampl/Analy Wchlst Tks (9/30/95)		29SEP95				

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
N4D46D02	Complete 3 Sample Preps 325 Oper DQOs FY95	02OCT95	30SEP96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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Activity ID	Activity Description	Early Start	Early Finish	FY94				FY95				FY96				FY97													
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
N4D47E02	Development Support For Disposal	02OCT95	30SEP96																										
N4D47E03	Development Support For Disposal	01OCT96	30SEP97																										
XCHPTP704	Supernate Char Data Connector		29SEP95																										
XCHPTP704	Supernate Char Data Connector		30SEP96																										
XCHPTP704	Supernate Char Data Connector		30SEP97																										
1.1.2.04.04.08 Vapor Analysis Financial Planned Pacific Northwe																													
N4D48A11	PNL Organic/Inorganic Analytical Support	03OCT94*	29SEP95																										
N4D48A111	PNL Org/Inorg Analytical Support Comp (9/30/95)		29SEP95																										
N4D48A112	Develop VAPORNET Database	02OCT95	29SEP95																										
1.1.2.04.04.09 Off-Site Laboratories Financial Planned																													
N4D49A00	Complete INEL Upgrades	03OCT94	31OCT94																										
N4D49A00A	RL DNFSB 5.12 INEL Lab Upgrde Complte (10/31/94)		31OCT94																										
N4D49B01	Support Safety Screening - INEL Analysis	07NOV94	29SEP95																										
N4D49B02	Support Safety Screening - INEL Analysis	02OCT95	30SEP96																										
N4D49B03	Support Safety Screening - INEL Analysis	01OCT96	30SEP97																										
N4D49C01	Complete 2 Analyses Sfty Resol INEL	01NOV94	29SEP95																										
N4D49C02	Complete 5 Analyses Sfty Resol INEL	02OCT95	30SEP96																										
N4D49C03	Complete 2 Analyses Sfty Resol INEL	01OCT96	30SEP97																										
N4D49C04	Transmit 2 216 Val Reports Safety Res DQC FY95	01NOV94	29SEP95																										
N4D49C04A	RL Data Rpts Tx'd & Emer Notif Complts (9/30/95)		29SEP95																										
N4D49C05	Transmit 5 216 Val Reports Safety Res DQO FY95	02OCT95	30SEP96																										
N4D49C05A	RL Data Rpts Tx'd & Emer Notif Compl (9/30/96)		30SEP96																										
N4D49C06	Transmit 2 216 Val Reports Safety Res DQO FY95	01OCT96	30SEP97																										
N4D49C06A	RL Data Rpts Tx'd & Emer Notif Compl (9/30/97)		30SEP97																										
N4Y390B	INTERFACE WITH INEL	01DEC93*	30SEP94																										
N4Y390D	INEL UPGRADES	01																											

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Activity ID	Activity Description	Early Start	Early Finish	FY94					FY95					FY96					FY97										
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
N4F610H	ACOUSTIC IMAGING STUDY	01OCT93	23SEP94																										
N4F610HM	ISSUE FEASIBILITY REPORT ON ACOUSTICS		23SEP94																										
N4F620A	PROJECT MGMT-ANALYTICAL METHODS	01OCT93	30SEP94																										
N4F620B01	HEAT CAPACITY DSC/TGA	01OCT93	29SEP94																										
N4F620B05	THERMAL CONDUCTIVITY	01OCT93	29SEP94																										
N4F620B10	ICP/MS	01OCT93	29SEP94																										
N4F620B15	COMPLEXANT ANALYSIS/TT	01OCT93	29SEP94																										
N4F620B20	MICROWAVE DIGESTION	01OCT93	29SEP94																										
N4F620B25	IN SITU PHYSICAL PROPERTIES	01OCT93	29SEP94																										
N4F620B27	STATUS REPORT IN-SITU VISCOSITY		29SEP94*																										
N4F620B30	PHYSICAL PROPERTIES	01OCT93	29SEP94																										
N4F620B35	HOT CELL EXTRACTION	01OCT93	29SEP94																										
N4F620B40	ANALYZE XAFS TESTING PROCESS	01OCT93	29SEP94																										
N4F620B45	ISSUE REPORT FINAL XAFS TESTING RESULTS		12SEP94*																										
N4F620B60	EXAMINE TIC/TOC METHODOLOGIES	01OCT93	08SEP94																										
N4F620B65	ISSUE LETTER REPORT RECOMMEND		03SEP94																										
N4F620C	WHC ANALYTICAL LAB MANAGEMENT SUPPORT	01OCT93	30SEP94																										
N4F620C02	LETTER REPORT-WHC ANALYTICAL		29SEP94*																										
N4F620D	WHC ANALYTICAL METHODS DEVELOPMENT	01OCT93	30SEP94																										
N4F620D15	COMPLEXANTS TECHNOLOGY TRANSFER FROM	01OCT93	29JUL94																										
N4F620D20	SST SAMPLE CLEANUP METHOD TECH TRANSFER	01OCT93	29JUL94																										
N4F620D25	THERMAL CONDUCTIVITY METHOD	01OCT93	30SEP94																										
N4F620D27	IMPLEMENT THERMAL CONDUCTIVITY		30SEP94																										
N4F620D35	HOT CELL GAMMA SCANNER DEVELOPMENT	01OCT93	30SEP94																										
N4F620D37	HOT CELL GAMMA SCANNER IMPLEMENTATION		30SEP94																										
N4F620D40	CYANIDE SPECIATION FROM AMES LAB	01OCT93	30SEP94																										
N4F620D41	CYANIDE SPECIATION-COMplete TECHNOLOGY		30SEP94*																										
N4F620D50	DEVELOP/DEMONSTRATE MIXED WASTE REDUC	01OCT93	29SEP94																										
N4F620D57	ISSUE ANNUAL WASTE REDUCTION TECH		29SEP94																										
N4F630A	WHC ANALYTICAL LAB UPGRADES MANAGEMENT	01OCT93	30SEP94																										
N4F630B01	PROG/PROJ MGMT-LAB UPGRADES(PNL)	01OCT93	29SEP94																										
N4F630B05	325A HOT CELL CLEANOUT	01OCT93	29SEP94																										
N4F630B07	COMPLETE RENOVATION OF 325 BUILDING "A"		30MAR95*																										
N4F630B10	RECONFIGURATION 325 SHIELDED ANAL LAB	01OCT93	29SEP94																										
N4F630B15	SHIELDED ICP INSTALL	01OCT93	29SEP94																										
N4F630C	LAB UPGRADES WHC	01OCT93	30SEP94																										

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
N4F630C01	LETTER REPORT 222-S ROOM RENOVATION		23SEP94*	J	A	S	O
N4F630D	TWRS NEEDS/LAB RESOURCES DOCUMENT	01OCT93	30SEP94				
N4F630D01	TWRS NEEDS/LABORATORY RESOURCES STUDY		15SEP94*				
N4F630E	SAMPLE STORAGE/DISPOSAL ARCHIVES STUDY	01OCT93	30SEP94				
N4F630E01	SAMPLE WASTE STORAGE/DISPOSAL STUDY AND		30SEP94*				
N4F640A	CENRTC PNL METH DEVELOPMENT	01FEB94*	30SEP94				
N4F640A01	COMMIT CENRTC FUNDING FOR PNL METHODS		30SEP94				
N4F640B	CENRTC WHC ANAL METH DEVELOPMENT	01FEB94*	29SEP94				
N4F640B01	CENRTC WHC METH DEVELOPMENT		29SEP94				
N4F650A	CENRTC LASER ABLATION/MASS SPEC	01FEB94*	30SEP94				
N4F650A01	COMMIT FUND PNL CENRTC LASER		30SEP94				
N4F650B	CENRTC WHC LASER RAMAN SPECTROSCOPY	01FEB94*	30SEP94				
N4F650B01	COMMIT CENRTC FUNDING-WHC LASER RAMAN		30SEP94				
N4F650B05	PROCURE, MODIFY AND INSTALL RAMAN/MASS	01FEB94*	30SEP94				
N4F650C	CENRTC WHC INFARED SPECTROSCOPY	01FEB94*	30SEP94				
N4F650C01	COMMIT FUNDING-WHC INFARED		30SEP94				
N4F650C05	PROCURE, MODIFY AND INSTALL INFARED	01FEB94*	30SEP94				
N4F660A	CENRTC PNL LAB UPGRADES	01FEB94*	03OCT94				
N4F660A01	CENRTC PNL LAB UPGRADES		03OCT94				
N4F660A05	BID PROCESS/PROCURE GAMMA ENERGY	01APR94*	01JUL94				
N4F660A10	PREPARE SPECS BRIDGE CRANE B CELL	28MAR94*	20JUL94				
N4F660B	CENRTC WHC LAB UPGRADES	01FEB94*	30SEP94				
N4F660B01	COMMIT CENRTC FUNDING-WHC LABORATORY		30SEP94				
N4F660B05	PROCURE&INSTALL QUADRAPOLE MASS	01FEB94*	03OCT94				
N4F670A	PROGRAM ADMINISTRATION	01OCT93	30SEP94				
N4F670B	LABCORE-1.0	01OCT93	30SEP94				
N4F670E	LABCORE PNL IMPLEMENTATION	01OCT93	30SEP94				
N4F670E01	INSTALLATION OF LABCORE-5 (PNL) SYSTEM		30SEP94				
N4F680A01	MANAGEMENT OVERSIGHT	01OCT93	30SEP94				
N4F690A01	DES, FAB/INST MODS CORE SAMP TRUCK-IN SITU	01OCT93	15SEP94				
N4F690A02	IN SITU SYSTEM DEPLOYMENT/DEMONSTRATION		15SEP94				
N4F690B01	RESEARCH SENSORS/DEVELOP CONE	01OCT93	28JUL94				
N4F690B03	SIMULANTS DEVELOP/PLACE ORDER CONE	24FEB94*	30SEP94				
N4F690B04	PLACE ORDER IN-SITU CONE PENTROMETER		30SEP94				
N4X210A	MANAGE DST CORE SAMPLING ACTIVITY	01OCT93	30SEP94				
N4X210B	CORE SAMPLING OPERATIONS	01FEB94*	30SEP94				

Activity ID	Activity Description	Early Start	Early Finish	FY94 JAN	FY95 JAN	FY96 JAN	FY97 JAN
NAX210801A	OBTAIN 3 CORE SAMPLES FROM 3 DST USING		30SEP94				
NAX210C	FABRICATE CORE SAMPLING EQUIPMENT	01OCT93	30SEP94				
NAX210D	CORE SAMPLING LAB SUPPORT	01OCT93	30SEP94				
NAX220A	PERFORM PUSH MODE CORE SAMPLING	01OCT93	30SEP94				
NAX220A01	OBTAIN 8 SST CORE SAMPLES FROM 3 SST USING		30SEP94				
NAX220B	PERFORM ROTARY MODE CORE SAMPLING	01OCT93	30SEP94				
NAX220B0A	OBTAIN 13 CORE SAMPLES FROM 6 SST USING		30SEP94				
NAX220C	CORE SAMPLING FABRICATION	01OCT93	30SEP94				
NAX220D	CORE SAMPLING OVERSIGHT	01OCT93	30SEP94				
NAX220E	TECH LEAD SUPPORT	01OCT93	30SEP94				
NAX220F	CORE SAMPLING / LAB SUPPORT	31JAN94	30SEP94				
NAX220G	PACKAGING SUPPORT	27DEC93	30SEP94				
NAX220H	DRAFTING SUPPORT FOR SST CORE SAMPLING	01NOV93	29JUL94				
NAX220J	ENGINEERING STUDIES	29NOV93	02SEP94				
NAX220J0A	SAMPLER PERFORMANCE VALIDATION PROJECT		15SEP94				
NAX220K	QUALITY ENGINEERING	01OCT93	30SEP94				
NAX220L	SPARES	01OCT93	30SEP94				
NAX260A	VAPOR SAMPLING	01OCT93	30SEP94				
NAX260B	PROGRAM MANAGEMENT AND TECH SUPPORT	01OCT93	30SEP94				
NAX260C	VAPOR SAMPLING OPERATIONS	01OCT93	30SEP94				
NAX260C0A	PROVIDE FLAMM/TOXIC GAS VAPOR SAMP IN		29SEP94				
NAX260C0B	PROVIDE FLAMM/TOXIC GAS VAPOR SAMP IN		29SEP94				
NAX260C0C	PROVIDE FLAMM/TOXIC GAS VAPOR SAMP IN		29SEP94				
NAX260D	FAB NEW SAMPLING EQUIPMENT/SPARES PARTS	01OCT93	30SEP94				
NAX270A	AUGER SAMPLING TECHNOLOGY	01OCT93	30SEP94				
NAX270B	PLANNING AND FIELD ACTIVITIES FOR AUGER	29NOV93	30SEP94				
NAX270B0A	OBTAIN 12 AUGER SURFACE SAMPLES FROM 12		30SEP94				
NAX270C	FABRICATE EQUIPMENT FOR AUGER SAMPLES	01OCT93	30SEP94				
NAX270D	PNL DECONTAMINATION SUPPORT	31JAN94	30SEP94				
NAX280A	CORE SAMPLING PACKAGING DEVELOPMENT	01OCT93	30SEP94				
NAX280B	PROCURE PAS-1 TRANSFER CASKS	01OCT93	30SEP94				
NAX280B0C	SUB REV SARP TO NRC/SHIPMENT OF CORE		28JUL94				
NAX280A	PAS-1 TRANSFER CASK	29NOV93	30SEP94				
NAX290A0A	PROCURE AND RECEIVE 2 PAS-1 TRANSFER		29SEP94				
NAX290B	PROCURE 3 PAS-1 LINER ASSEMBLIES	31JAN94	30SEP94				
NAX290B0A	PROCURE AND REC 3 PAS-1 TRANSFER CASK		29SEP94				

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O								
R0ATDS028	Simulant Development	01AUG94	31JUL97																																																
R0ATDS029	Mob/Mix Scale Testing	01AUG94	31JUL97																																																
R0ATDS029	Document 1/12 Scale Uniformity Testing		30MAR95																																																
R0ATDS029	Document Inst. & Control Strategy for DST Ops		29MAY96																																																
R0ATDS029	Iss Rec for M.P. Deploy in DST w/Shallow Sludge		31JUL97																																																
R0ATDS029	DST Retrieval Monitor/Cntrl Instrmnt. Valid. 1st	01AUG94	31JUL97																																																
R0ATDS030	Transport Testing Analysis	01AUG94	31JUL96																																																
R0ATDS031	Issue Test Plan for DST Waste Conditioning		28MAY96																																																
1.1.2.05.02.02 Single-Shell Tanks																																																			
R00201A	M-45-01 Develop SST WR Technology		30SEP94																																																
R0B010001	Issue Purchase Requisition for Industry	03OCT94	31OCT94																																																
R0B010002	Award Contracts	01NOV94	31JUL95																																																
R0B010003	Industry Concept Engineering Studies	01AUG95	31JAN96																																																
R0B010004	Evaluate Concepts & Awards Dev. Contracts	01FEB96	03SEP96																																																
R0B010010	University Design Challenge	03OCT94	01MAY95																																																
R0B010010	Comp. Evaluation of WERC Alt Tech Report		01MAY95																																																
R0B010011	Evaluate Concepts & Form on Site Team	02MAY95	31OCT95																																																
R0B010020	Identify GA/GOCO Concepts for Study	03JAN95	31OCT95																																																
R0B010021	GA/GOCO Concept Engineering Study	01NOV95	30APR96																																																
R0B010022	Evaluate Concepts & Award Construct	01MAY96	31OCT96																																																
R0B010030	Identify On-Site Concepts for Study	05OCT94	30NOV94																																																
R0B010031	On-Site Concept Engineering Study	01DEC94	31MAY95																																																
R0B010032	Evaluate Concepts for Development	01JUN95	30NOV95																																																
R0B020014	Scale Testing & Concept Definition	01MAY97	30SEP97																																																
R0B020035	Scale Testing & Concept Definition	03MAR97	30SEP97																																																
R0B110005	Retrieval Design & Develop DQO	01JUL94	30NOV94																																																
R0B110010	Retrieval Operations DQO	01MAY95	02OCT95																																																
R0B110030	Historical Tank Waste Data	01JUL94	01MAY95																																																
R0B110035	Tank Waste Characterization (95)	30NOV94	30JUN95																																																
R0B110040	Tank Waste Characterization (96)	03OCT95	31MAY96																																																
R0B110045	Tank Waste Characterization (97)	02JUL96	30APR97																																																
R0B110050	Provide Sluicing Simulant	03OCT94	31JUL95																																																
R0B110055	Provide Alternates Simulant	02OCT95	29FEB96																																																
R0B110060	Provide LRM Simulant	08JUL96	31DEC96																																																
XR0C0P021	WR to CH: WR Char Needs to Iss Retrieval DQO	03OCT94	30SEP94																																																
1.1.2.05.02.03 Miscellaneous Underground Storage Tanks																																																			
1.1.2.05.02.04 Leak Detection																																																			

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O								
R00213-1	Develop LDM Implementation Document	01JUL94	02FEB96																																																
R00213-1A	Submit Working Draft (MS-1)	18OCT94																																																	
R00213-2	Case Studies	03OCT94	30SEP97																																																
R00213-3	Prepare Inter-Active LDM Case Evaluation Tool	03OCT94	30SEP97																																																
R00213-3D	Issue 2nd Version Evaluation Tool (MS-10)	26SEP96																																																	
1.1.2.05.02.05 Barriers																																																			
R00300A	M-45-07A Cmpit Evalution of Barrier Feasibility		30SEP94																																																
R00310A	M-45-07B Make Decision to Proceed with Demo		31JAN95																																																
R00311A	M-45-07-T01 Establish/Perfrm Criteria/Test Spec		31MAR95																																																
R00311B	M-45-07-T02 Initiate Demo Testing		31OCT95																																																
R00311C	M-45-07C Estblish New Milestone Barrier Implmntn		30SEP97*																																																
R00312A	M-45-07-T03 Cmpit Eval Barrier Demo Test Results		31MAR97																																																
R00312B	M-45-07 Cmpit Eval/Demo Test Small Scale Barrier		30SEP97																																																
R00312C	M-45-07-T04 Decision to Proceed with Barriers		30JUN97*																																																
R0R000110	Barriers Evaluation Phase I	01JUL94	30SEP94																																																
R0R000115	Barriers Evaluation phase II	03OCT94	31JAN95																																																
R0R000120	Test Strategy and Performance Specs	03MAR95	29JUN95																																																
R0R000125	Test Site Documents Preparation	03MAR95	30OCT95																																																
R0R000127	Test Site Preparation	03MAR95	30MAY96																																																
R0R000130	Barrier Procurement Activities	03MAR95	30MAY96																																																
R0R000140	Barrier Pre Test Activities	01JUL96*	31DEC96																																																
R0R000150	Barrier Demonstration Tests	01OCT96	31MAR98																																																
R0R000210	Project Management	01JUL94	30APR96																																																
R0R000220	RKK Cryobarrier pre Demo Prep	01JUL94	30DEC94																																																
R0R000230	Final Barrier Demo Design Review	01DEC94	30DEC94																																																
R0R000240	Barrier On-Site Installation	03JAN95	31MAR95																																																
R0R000250	Barrier Demo Testing	03APR95	29DEC95																																																
R0R000270	Post Demo Activity	02JAN96	28MAR96																																																
R0R000280	Barriers Demo Final Reporting	01AUG95	30APR96																																																
R0R000310	Viscous Liquid Barrier Demonstration	03OCT94	29SEP95																																																
R0R000320	Flowable Grout Techniques	01FEB95*	31JUL97																																																
R0R000330	Hydraulic and Diffusion Barriers	03OCT94	31MAR97																																																
R0R000340	Horizontal Emplacement Technologies	03OCT94	29SEP95																																																
R0R000350	Remediation of Heavy Metal Contaminated Soil	05JUL95*	29DEC95																																																
R0R000360	Chemically Enhanced Barriers	02OCT95*	30SEP96																																																
1.1.2.05.03 Facility Operations																																																			
XSOR00S008	OM to WR: HLL Waste Cask to Op Sm Volume WR Sys	01MAY97*	30APR97																																																

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Activity ID	Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O
XSOR0S008	OM to WR: Int Safe Ops -E to Initial SST WR	01OCT94	30SEP94				
XSPR0S009	TU to WR: Begin Op (W-030) to DST WR Process Tst	01DEC96	30NOV96				
XSPR0S009	TU to WR: SST Vent Upgr to Init SST WR	01OCT97	30SEP97				
1.1.2.05.03.01 Double-Shell Tanks							
R00115	Perform DST WR Process Test	02DEC96	26NOV97				
1.1.2.05.03.02 Single-Shell Tanks							
R00223	Perform Sluicing WR Demo C-106	30SEP97	31DEC98				
1.1.2.05.03.03 Miscellaneous Underground Storage Tanks							
1.1.2.05.04 System Definition							
R00117	Define Final DST WR System Project	01OCT97	31MAR00				
R00217	Define SST WR Training/Test Requirements	01NOV97	29DEC97				
R00314	Conduct Tank Closure Trade Studies and Alts	02OCT97	01OCT01				
XAAR0S000	PM to WR: Flow Sheets to Init SST WR Sys Project	01MAY96	30APR96				
XR0HLP0226	WR to HL: SST WR Doc to HLW Conceptual Design	01APR97	31MAR97				
1.1.2.05.04.01 Double-Shell Tanks							
R0ATDS007	DST Trade Analysis	01AUG94	31JUL96				
1.1.2.05.04.02 Single-Shell Tanks							
R0B110005	Proof of Principle Tests	04SEP96	30APR97				
R0B110006	Eval. P.O.P. Test Results & Award Demo Contract	01MAY97	30SEP97				
R0B110012	Proof-of-Principle Test	01NOV95	31OCT96				
R0B110013	Evaluate Results & Form On-Site University Team	01NOV96	30APR97				
R0B110023	Proof-of-Principle Test	01NOV96	30APR97				
R0B110024	Evaluate Results & Award Contract	01MAY97	30SEP97				
R0B110033	Proof-of-Principle Test	01DEC95	03SEP96				
R0B110034	Evaluate Results	04SEP96	28FEB97				
R0B120095	Develop Enhanced Sluicing Preliminary Criteria	03OCT94	31OCT94				
R0B120100	Tank Leak Studies	03OCT94	30SEP97				
R0B120105	Interface with W-320 Project	03OCT94	30SEP97				
R0B120110	Develop Enhanced Sluicing ID. List	03OCT94	01DEC94				
R0B120115	Enhanced Sluice ID Select for Test & Development	02DEC94	30DEC94				
R0B120124	Baseline W320 Capability	03OCT94	30DEC94				
R0B120125	Sluicing Ideas Study Design, Test & Demo	03JAN95	29SEP95				
R0B120130	Develop Sluicing System Engineering Document	03OCT94	30SEP97				
R0B120135	Establish Sluicing Technical Baseline	01AUG96	30SEP96				
R0B120180	1st SST Sluic Concept Study, Dsn, Test & Demo	02OCT95	31JUL96				
R0B120205	2nd SST Sluic Concept Study, Dsn, Test & Demo	01AUG96	30SEP97				
R0B160005	Initiate Future Projects	03OCT94	30DEC94				

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O
R0B200025	Identify Tech Data & Computer Requirements	02FAY95	01SEP95				
R0B200030	Identify Packaging, Handling & Transport Needs	01APR96	31OCT96				
R0B200035	Determine Logistics Function	02MAY95	01NOV95				
R0B200040	Determine Logistics Requirements	02NOV95	29MAR96				
R0B200045	Determine Logistics System Architecture	01APR96	30SEP96				
1.1.2.05.04.03 Miscellaneous Underground Storage Tanks							
1.1.2.05.04.04 Tank Closure							
R0B313005	Issue SST Closure Work Plan	03OCT94	01OCT97				
R0B313005	Submit SST Closure Wrk Plan to Ecology for Rvw		01MAY95				
R0B313005	Submit SST Closure Work Plan		30JAN96				
1.1.2.05.05 W-151 101 AZ Retrieval							
1.1.2.05.05.01 Project Management							
R0D170	W-151 Project Management	01JUL94	29DEC95				
1.1.2.05.05.02 Detail Design							
R00113	D/C DST WR Proceed Test	30AUG96	30SEP96				
R0D100	W-151 Design	01JUL94	31AUG94				
R0D130	W-151 Kaiser (CF) Construction	01JUL94	31OCT95				
R0D140	W-151 FP Construction	01NOV94	29SEP95				
R0D140-1	W-151 FP Construction Complete		29SEP95				
1.1.2.05.05.03 Field Engineering and Inspection							
R0D110	W-151 Field Engineering & Inspection	01JUL94	29DEC95				
1.1.2.05.05.04 Procurement							
R0D120	W-151 Procurement	01JUL94	30JUN95				
R0D125	W-151 Related CENRTC Procurements	31OCT94	30APR96				
1.1.2.05.05.05 Construction							
1.1.2.05.05.06 Start-up							
R0D160	W-151 ORR/Startup	01MAR95	26SEP96				
R0D160-1	W-151 ORR/Startup Complete		26SEP96				
1.1.2.05.06 W-211 Initial Retrieval System							
R00116	D/C Initial DST WR System Phase 1	04OCT97	04SEP99				
R00118	D/C Initial WR Systems - Phase 2	01OCT97*	05AUG10				
XSSR0S012	TS to WR: Mit Pump SY-101 to Init DST WR Sys	01OCT96*	30SEP96				
XSSR0S012	TS to WR: Mit Pump AW-101 to Init WR Systems	01OCT97*	30SEP97				
XSSR0S013	TS to WR: Mit Pump SY-103 to Init DST WR Sys	01OCT96*	30SEP96				
XSSR0S013	TS to WR: M-40-13 SY-103 to Init DST WR Sys	01OCT94*	30SEP94				
1.1.2.05.06.01 Project Management/Integration							
R0E100	Project Management/Integration_W-211	01JUL94	30SEP98				
R0E101-2	Cmpl Prep Clean Air Act Permit for 101-SY_W-211	01FEB96					

Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O
R0E104-4	E3W2490-2 Complete Safety Assessment_W-211		31JAN96				
R0E200	Provide Project Support_W-211	01JUL94	30SEP98				
R0E200-2	E3W1406-2 Complete NEPA Documentation_W-211		30NOV94				
R0E300	Technology Support for W-211	01JUL94	30SEP98				
R0E403	KD-2 Decision for All W-211 Tanks	01MAR95	31MAY95				
R0E403-2	Submit Title I Design Report		31MAY95				
R0E405-2	E3W1939-2 Key Decision 3 101-SY_W-211		31DEC96				
R0E490	Regulatory Compliance_W-211	01JUL94	28JUN96				
R0E490-2	Complete RCRA Part B Permit_W-211		23JUN96				
1.1.2.05.06.02 Design							
R0E402	W-211 Title 1 101-SY	01SEP94	28FEB95				
R0E402-2	Start Title 1 Dsn Pkg 1 101-SY_W-211	01SEP94					
R0E402-4	Complete Title 1 Dsn Pkg 1 101-SY_W-211		28FEB95				
R0E404	Title 2 101-SY_W-211	01JUN95	30SEP96				
R0E404-2	Cmpl Title 2 101-SY_W-211		30SEP96				
R0E405	KD-3 Decision Pkg 1 101-SY Construction_W-211	01OCT96	31DEC96				
R0E406	Onsite Construction Package 1 101-SY_W-211	02JAN97	30OCT98				
R0E406-2	Start Onsite Construction Pkg 1_W-211	02JAN97					
R0E409	Title 3 Engineering/Inspection 101-SY_W-211	01JUL95	30NOV98				
R0E422	Prep Title 2 Planning Pkg 1A 103-SY_W-211	01NOV95	29DEC95				
R0E424	Title 2 Design Pkg 1 103-SY_W-211	02JAN96	31MAR97				
R0E429	Title 3 Engineering/Insp 103-SY_W-211	03SEP96	30JUL99				
R0E442	Prep Title II Planning 101-AW_W-211	01APR97	30MAY97				
R0E444	Title II Design 101-AW_W-211	02JUN97	30NOV98				
1.1.2.05.06.03 Procurement							
R0E408	Advanced Procurement 101-SY_W-211	05JUL95	29AUG97				
R0E408-2	Start Advanced Procurement_W-211	05JUL95					
R0E428	Advanced Procurement 103-SY_W-211	01JUL96	31AUG98				
1.1.2.05.06.04 Construction							
R0E401	W-211 KD-1 Decision--KEH Work Plan Mods 101-SY	01JUL94	31AUG94				
R0E425	Construction of 103-SY_W-211	01MAY97	30JUN99				
1.1.2.05.06.05 Start-up							
R0E407	Operations Preparation 101-SY_W-211	01OCT96	30JUN98				
1.1.2.05.07 Final Double-Shell Tank Retrieval System							
1.1.2.05.07.01 Project Management							
1.1.2.05.07.02 Engineering							

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O								
1.1.2.05.07.03 Procurement																																																			
1.1.2.05.07.04 Construction																																																			
1.1.2.05.07.05 Start-up																																																			
1.1.2.05.08 W-315 Pilot Scale Retrieval																																																			
1.1.2.05.08.01 Project Management																																																			
R0F001000	Project Management	01JUL94	30JUN98																																																
R0F001100	Permitting	01NOV94*	01MAR96																																																
R0F001110	SAR	02OCT95*	31JAN96																																																
R0F001120	SARP	03JAN95*	01MAR96																																																
R0F001300	PSAR	03OCT94	29SEP95																																																
R0F001900	PSAR	01AUG96*	01DEC97																																																
1.1.2.05.08.02 Engineering																																																			
R0F001130	Preliminary F&R	01AUG94	31AUG94																																																
R0F001200	Final F&R	01NOV94	01MAY95																																																
R0F001400	PDC	01JUL94	30SEP94																																																
R0F001700	Shipping Container Design	03OCT94	31JUL95																																																
R0F001800	F & R	01APR96*	31DEC96																																																
R0F001801	Salt Cake Sampler Final F&R for P.S. Retrieval		31DEC96																																																
R0F002000	PDC	01AUG96	31JAN97																																																
R0F002100	Salt Cake Sampler Design	01MAY96	31JAN97																																																
1.1.2.05.08.03 Procurement																																																			
R0F002300	Procure Sludge Sampler	03APR95	30NOV95																																																
R0F002400	Procure Hard Cake Sampler	02SEP97	27FEB98																																																
R0F002500	Procure Shipping Container	01MAY95	29MAR96																																																
1.1.2.05.08.04 Construction																																																			
R0F001500	RAD Analysis	01DEC94*	31OCT95																																																
1.1.2.05.08.05 Start-up and Operations																																																			
R0F001600	Sludge Sampler Testing	01DEC94*	31JUL95																																																
R0F002200	Prototype Testing	03FEB97	01DEC97																																																
R0F002600	Sludge Sample ATP	04MAR96*	30AUG96																																																
R0F002700	Hard Cake Sampler ATP	03NOV97	29MAY98																																																
R0F002800	Sludge Sampler Training	01SEP95*	29MAR96																																																
1.1.2.05.09 W-320 106-C Sluicing																																																			
1.1.2.05.09.01 Project management																																																			
01A1	WBS 1.1.1 Activity Management & Reporting	01OCT93	18JUL97																																																
06A3	WBS 1.6.1 Environmental Management	01OCT93	02OCT95																																																
06A4	WBS 1.6.2 Safety Management	03OCT94*	02OCT95																																																

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Activity ID	Activity Description	Early Start	Early Finish	FY94							FY95							FY96							FY97													
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O							
06A5	WBS 1.6.3 Safety	01OCT93	06MAR96																																			
06A6	WBS 1.6.4 NEPA	01OCT93	10APR95																																			
06A7	WBS 1.6.5 RCRA	01OCT93	30JAN95																																			
06A8	WBS 1.6.6 CAA	01OCT93	03NOV95																																			
1.1.2.05.09.02 Engineering																																						
02E1	WBS 1.2.1 Engineering Management	01OCT93	03MAY95																																			
02E2	WBS 1.2.2 Technical Studies	01OCT93	29JAN97																																			
02E3	WBS 1.2.3 Definitive Design	01OCT93	06JUL95																																			
02E31	Complete Definitive Dsn (Title II) for W-320		06JUL95																																			
02E4	WBS 1.2.4 Engineering & Inspection	11APR94*	27FEB95																																			
02E5	WBS 1.2.5 Removal Equipment Design	01OCT93	17JAN95																																			
1.1.2.05.09.03 Capital Equipment not Related to Construction																																						
43M4	WBS 1.3.4 CENRTC Procurement	01OCT93	06MAR95																																			
43M5	WBS 1.3.5 CENRTC Fabrication	01OCT93	14OCT94																																			
1.1.2.05.09.04																																						
04N1	WBS 1.4.1 Construction Management	01OCT93	30SEP96																																			
04N2	WBS 1.4.2 Interfarm Modification Constr	01OCT93	17APR96																																			
04N3	WBS 1.4.3 C-Farm Modification Constr.	01JUN94*	29SEP97																																			
04N4	WBS 1.4.4 AY-Farm Modificaiton Constr.	14FEB95*	24MAY96																																			
04N5	EBS 1.4.5 Expense Procurement	05OCT95*	30OCT95																																			
04N6	WBS 1.4.6 Equipment Removal Construction	01OCT93	04MAR96																																			
04N7	WBS 1.4.7 General & technical Services	01JUN94*	27SEP95																																			
1.1.2.05.09.05 Start-up																																						
05P1	WBS 1.5.1 Startup Administrative	03JAN94*	16JUL96																																			
05P2	WBS 1.5.2 Startup Support	01APR94*	07MAY96																																			
05P3	WBS 1.5.3 Startup Testing	04APR95*	01OCT96																																			
05P3A	Initiate Shuicing of C-106	02OCT96																																				
05P4	WBS 1.5.4 Readiness Review	01JUL94*	21JUN96																																			
1.1.2.05.10 Single-Shell Tank Training and Test Facility																																						
1.1.2.05.10.01 Project Management																																						
1.1.2.05.10.02 Engineering																																						
1.1.2.05.10.03 Procurement																																						
1.1.2.05.10.04 Construction																																						
1.1.2.05.10.05 Start-up																																						
1.1.2.05.11 W-340 Long Reach Arm																																						
XCDROS0022	CH to WR: Samp All Watchlist Tks to SST WR Demo	01OCT95*	30SEP95																																			
1.1.2.05.11.01 Project Management																																						

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Activity ID	Activity Description	Early Start	Early Finish	FY94				FY95				FY96				FY97															
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
R0D300	W-340 Project Management	01AUG94	30AUG02																												
R0D430	W-340 Permitting	01JUL94	31JUL01																												
R0D470	PSEL	05JUL95*	29DEC95																												
R0D470-1	PSEL Complete		29DEC95																												
R0D480	PSAR	02JAN97	23JUN97																												
1.1.2.05.11.02 Engineering																															
R0D171	W-340 Conceptual Design Report	05JUL95*	29MAR96																												
R0D173	W-340 Advanced Conceptual Design	01APR96	31DEC96																												
R0D173-1	W-340 Advanced Conceptual Design Complete		31DEC96																												
R0D174	Prepare W-340 Preliminary Design	02JAN97	26NOV97																												
1.1.2.05.11.03 Regulatory/Compliance																															
1.1.2.05.11.04 LRM Procurement																															
R0D230	Prepare Vendor Specification/RFP	01JUL94	30JUN95																												
R0D230-1	Vendor Specification/RFP Complete		30JUN95																												
R0D251	Prepare W-340 Vendor 1-3 Concept Definition	05JUL95*	26AUG96																												
R0D252	W-340 Vendor 1-3 Concept Demonstration	03SEP96	24OCT97																												
1.1.2.05.11.05 Construction																															
1.1.2.05.11.06 Start-up 1																															
R0D420	W-340 Start-up	01DEC97	28FEB02																												
XC0R0S019	CH to WR: Samp All Wtchlist Tks to SST WR Demo	03OCT95*	02OCT95*																												
1.1.2.05.12 Single-Shell Tank Closure Demonstration																															
R0D227	D/C SST WR System	01OCT97*	31MAR15																												
XABR0S000	PM to WR: ROD to SST WR System	01OCT96*	30SEP96																												
XABR0S001	PM to WR: ROD to SST WR System	01OCT96	30SEP96*																												
XC0R0S0023	CH to WR: Non-Wtchlist Tks Safe Iss to SST WR Sys	01OCT96*	30SEP96																												
XC0R0S0194	Ch to WR: Non-Wtchlist Tks Safe Iss to SST WR Sys	01OCT96	30SEP96*																												
1.1.2.05.12.01 Project Management																															
R0D227A	M-45-04A Complete Initial SST WR System CDR		25APR97																												
1.1.2.05.12.02 Engineering																															
1.1.2.05.12.03 Procurement																															
1.1.2.05.12.04 Construction																															
1.1.2.05.12.05 Start-up																															
1.1.2.05.13 Single-Shell Tank Closure																															
1.1.2.05.13.01 Project management																															
1.1.2.05.13.02 Engineering																															
1.1.2.05.13.03 Procurement																															
1.1.2.05.13.04 Construction																															

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O	J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O	J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O	J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O
1.1.2.05.13.05	Start-up						
1.1.2.05.14	Miscellaneous Underground Storage Tanks Retrieval						
1.1.2.05.14.01	Project Management						
1.1.2.05.14.02	Engineering						
1.1.2.05.14.03	Procurement						
1.1.2.05.14.04	Construction						
1.1.2.05.14.05	Start-up						
1.1.2.05.15	Undefined WBS						
R00205	Define WR Infrastructure Requirements	01OCT93	30SEP96				
XSPR05011	TU to WR: Begin Op (W-030) to DST WR Process Tst	02DEC95	27NOV96*				X

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O								
PMW46200	Public Involvement	01OCT96	30SEP97																																																
PMW46210	Continued Supp to TWRS Prog Mgmt & Integration	03OCT94	29SEP95	[Bar]																																															
PMW46220	Continued Supp to TWRS Prog Mgmt & Integration	02OCT95	30SEP96													[Bar]																																			
PMW46230	Continued Supp to TWRS Prog Mgmt & Integration	01OCT96	30SEP97																									[Bar]																							
PMW46240	Prep Anlys of LLW Pret Facility Operations Costs	03OCT94	31JAN95	[Bar]																																															
PMW46250	Prep Anlys of HLW Pret Facility Operations Costs	01NOV94	28FEB95	[Bar]																																															
PMW46260	Prep Analysis of In-Tank Proc Operations Costs	01DEC94	28FEB95	[Bar]																																															
PMW46270	Prep Waste Pret Facility Operations Costs Study	01MAR95	28APR95													[Bar]																																			
PMW46270	Iss Waste Pret Facility Operations Costs Study		28APR95													◇																																			
1.1.3.01.02 Pretreatment Accounting Adjustments																																																			
PMW46280	Accounting Adjustments	03OCT94	29SEP95	[Bar]																																															
PMW46290	Accounting Adjustments	02OCT95	30SEP96													[Bar]																																			
PMW46300	Accounting Adjustments	01OCT96	30SEP97																									[Bar]																							
1.1.3.01.02 Technology Development and Applied Engineering																																																			
1.1.3.01.02.01 Low-Level Waste Pretreatment Development for Ref																																																			
AHS130C	Deliver 10Kg of Powdered CST to SNL		09AUG94*	◇																																															
PTD0600	Cond Electro Elution-Sum Waste-RF and CS-100	03OCT94*	29SEP95	[Bar]																																															
PTD0605	Construct and Test Electro Elution Sys-Act Waste	02OCT95*	31JAN97													[Bar]																																			
PTD0640	Cond Batch Test of Eng Form CST DSS/DSSF	01JUN95*	29SEP95													[Bar]																																			
PTS0610	CST Optimization for Supernate	02OCT95	30SEP97													[Bar]																																			
PTS0635	Develop Engineered Form of CST	03OCT94*	29SEP95	[Bar]																																															
PTS0635A	Delivery of the Engineered Form of CST to PNL		30JUN95													◇																																			
1.1.3.01.02.02 Low-Level Waste Pretreatment Development Enhance																																																			
ARD200	Heat and Digest Organic Destruction	01OCT93	31AUG94	[Bar]																																															
ARD310	Cold Bench-Scale Solvent Extraction System	01OCT93	30SEP94	[Bar]																																															
AHL130	Ion Exchange - New Absorbers	11OCT93*	30SEP94	[Bar]																																															
AHL140	Tc Sorption/Desorption on Reillex	01OCT93	30SEP94	[Bar]																																															
PTD0700	Batch Test of Complex Destruction w/Act CC	03OCT94*	29SEP95	[Bar]																																															
PTL0300	Batch/Column IX Test for Sr Remvl Synth CC	03OCT94	29SEP95	[Bar]																																															
PTL0305	Batch/Column IX Test for Sr Remvl Actual CC	02OCT95	30SEP97													[Bar]																																			
PTL0315	Batch/Col Sol Sorb w/Syn DSS/DSF/CC for Sr Rem	03OCT94	31MAR95	[Bar]																																															
PTL0320	Batch/Col Sol Sorb w/Act DSS/DSF/CC for Sr Rem	03APR95	30SEP97													[Bar]																																			
PTL0325	Batch Precip & NaTiO4 Test for TRU Act DSSF/CC	03APR95	30SEP96													[Bar]																																			
PTL0330	Conduct Column IX Test for Tc Rem from Syn DSSF	03OCT94	31MAR95	[Bar]																																															
PTL0335	Conduct Column IX Test for Tc Rem from Act DSSF	03APR95	30SEP97													[Bar]																																			
PTL0340	Batch Tests on Alt for Tc Rem for Syn DSSF	03OCT94	31MAR95	[Bar]																																															
PTL0345	Batch Tests on Alt for Actual DSSF for Tc Rem	03APR95	29SEP95													[Bar]																																			

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Activity ID	Activity Description	Early Start	Early Finish	FY94				FY95				FY96				FY97													
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
PTL0350	Batch Precip & NaTiO ₄ Test for TRU Syn DSSF/CC	03OCT94	31MAR95																										
1.1.3.01.02.03 High-Level Waste Pretreatment Development for Re																													
AND200	Slidg Pretreat Chemistry Evaluation (Carryover)	03OCT94	30DEC94																										
PTD5000	Sludge Wash/Alk Leach Tests Act 94-95 Cores-PNL	03OCT94	29SEP95																										
PTD5000A	FY 1995 Sludge Wash/Alkaline Leach Tests-PNL		29SEP95																										
PTD5005	Sludge Wash/Alk Leach Test Act 95-Out Cores-PNL	02OCT95	30SEP97																										
PTD5040	Eval Process Science of Actual Sludge - 94-95	03OCT94	29SEP95																										
PTD5045	Eval Process Science of Actual Sludge - 95-Out	02OCT95	30SEP97																										
PTD5050	Cond Selective Leach Tests of Act 94-95 Cores	03OCT94	29SEP95																										
PTD5055	Cond Selective Leach Tests of Act 95-Out Cores	02OCT95	30SEP97																										
PTD5060	Cond Sludge Settling Tests 94-95 Cores	03OCT94	29SEP95																										
PTD5060A	Iss Rpt on Lab Settling Tests of 106-C Sludge		29SEP95																										
PTD5065	Cond Sludge Settling Tests 95-Out Cores	02OCT95	30SEP97																										
PTD5080	Establish Radioactive Colloid Test Capability	03OCT94	29SEP95																										
PTD5085	Conduct Radioactive Colloid Tests	02OCT95	30SEP97																										
PTL5010	Sludge Wash/Alk Leach Test-Act 94-95 Cores-LANL	03OCT94	29SEP95																										
PTL5010A	FY 1995 Sludge Wash/Alkaline Leach Tests-LANL		29SEP95																										
PTL5015	Sludge Wash/Alk Leach Test Act 95-Out Cores-LANL	02OCT95	30SEP97																										
PTW5070Z	Technology Development Program Mgmt - 96-97	02OCT95	30SEP97																										
PTW5075Z	Technology Development Program Mgmt - FY 1995	03OCT94	29SEP95																										
PTW5090Z	Infrastructure Support - FY 1995	03OCT94	29SEP95																										
1.1.3.01.02.04 High-Level Waste Pretreatment Development Enhanc																													
ARD221	Sludge Dissolution Testing/Report (Carryover)	03OCT94	30DEC94																										
AHD270	Radionuclide Sep/Int Flowsheet (Carryover)	03OCT94	30DEC94																										
AHD320	Hydrothermal Processing Dev - PNL (Carryover)	03OCT94	31MAR95																										
AHL100	Hydrothermal Processing Dev - LANL (Carryover)	03OCT94	31MAR95																										
PTB0560	Develop Acid Side CSEX/SREX System	02OCT95	30SEP96																										
PTB0580	Update GTM - ANL	02OCT95	30SEP97																										
PTD0500	Conduct Acid Dissolutions Test with 94-95 Cores	03OCT94	29SEP95																										
PTD0500A	Iss Rpt on FY 94/95 Sludge Dissolution Studies		29SEP95																										
PTD0505	Conduct Acid Dissolutions Test with 95-Out Cores	02OCT95	30SEP97																										
PTD0515	Cond Batch SX Test for Sr/TRU Rem 95-Out Cores	02OCT95	30SEP97																										
PTD0520	Conduct Test on Alternatives to Acid Side SX	02OCT95	30SEP96																										
PTD0525	Conduct Non-Thermal Recon Test with 94-95 Cores	03OCT94	29SEP95																										
PTD0530	Conduct Non-Thermal Recon Test with 95-Out Cores	02OCT95	30SEP97																										
PTD0540	Conduct Cold Bench Scale SX System	02OCT95	30SEP97																										
PTD0565	Conduct Acid Side CSEX/SREX Test Actual	01OCT96	30SEP97																										

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O
PTD0570	Cond Acid Side Cs Rem Batch Test-CST w/Act Waste	02OCT95	30SEP96				
PTD0575	Cond Acid Side Cs Rem Col Test-CST w/Act Waste	07OCT96	30SEP97				
1.1.3.01.03 Facility Operations							
1.1.3.01.04 System Definition							
1.1.3.01.04.01 NEPA and Regulatory Compliance							
PSW04570	Sfty Assmnts in Supp of "Phase 2" Pret Trade Sty	03OCT94	29SEP95				
PSW04575	Sfty Assmnt of In-Tnk Slldg/Sol Sep/Storage/Trans	03OCT94	29SEP95				
PSW04580	Sfty Assmnt of Extensive Sludge Pretreatment	03OCT94	29SEP95				
PSW04585	WHC Rev/Supp of Designer Sfty Analysis Efforts	02OCT95	30SEP97				
PSW04595	USQ Review for 101-AZ Sludge Washing	02OCT95	30NOV95				
PSW04600	Safety Analysis Support for 101-AZ Slldg Washing	01DEC95	30SEP96				
PSW04605	Safety Analysis Support for 101-AZ Slldg Washing	01OCT96	30SEP97				
PSW04610	Provide NEPA Info and Coordinate NEPA Support	02OCT95	30SEP96				
PSW04615	Preparation of Environmental Assessment	01OCT96	30SEP97				
1.1.3.01.04.02 Engineering Studies and Functions and Requirements							
PSW00000	Information Gathering - Det Waste Conc Mech	01NOV94	13JAN95				
PSW00010	Prepare Draft Document - Det Waste Conc Mech	16JAN95	01MAR95				
PSW00020	Review Coordination - Det Waste Conc Mech	02MAR95	31MAR95				
PSW00030	Comment Resolution - Det Waste Conc Mech	03APR95	01MAY95				
PSW00040	Final Document Prep - Det Waste Conc Mech	02MAY95	15MAY95				
PSW00050	Approve Document - Det Waste Conc Mech	16MAY95	01JUN95				
PSW00050A	Issue Det Waste Concentration Mech Rpt (4.2.1.5)		01JUN95				
PSW00060	Information Gathering - Det Waste Proc Strat	17OCT94	13JAN95				
PSW00070	Prepare Draft Document - Det Waste Proc Strat	16JAN95	31MAR95				
PSW00080	Review Coordination - Det Waste Proc Strat	03APR95	28APR95				
PSW00090	Comment Resolution - Det Waste Proc Strat	01MAY95	31MAY95				
PSW00100	Document Prep - Det Waste Proc Strat	01JUN95	15JUN95				
PSW00110	Approve Document - Det Waste Proc Strat	16JUN95	30JUN95				
PSW00111	RL Review/Final Report Preparation	05JUL95	01SEP95				
PSW00111A	Iss Rpt Det Waste Proc Strategy (4.2.2/4.2.2.1)		01SEP95				
PSW00112	Prepare Draft Update Rpt - Det Waste Proc Strat	05SEP95	29MAR96				
PSW00113	Prepare RL Draft Update - Det Waste Proc Strat	01APR96	28JUN96				
PSW00114	RL Review/Final Report Preparation	01JUL96	30AUG96				
PSW00114A	Iss Rpt Det Waste Proc Strategy (4.2.2/4.2.2.1)		30AUG96				
PSW00115	Prepare Draft Update Rpt - Det Waste Proc Strat	03SEP96	31MAR97				
PSW00116	Prepare RL Draft Update - Det Waste Proc Strat	01APR97	30JUN97				
PSW00117	RL Review/Final Report Preparation	01JUL97	29AUG97				

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O
PSW04400	RL Transmits Enhance SW Report WDOE	03OCT94	31OCT94				
PSW04430	Prep Draft Flwsht Document on Cs by Lgnd Mbrne	02JAN95*	31JUL95				
PSW04435	Review and Revise Flowsheet Document	01AUG95	30AUG95				
PSW04440	Approve Flowsheet Document	03SEP95	30SEP95				
PSW04445	Prep Prelim Flwsht Doc on Cs by Syn Mica	02JAN95*	31JUL95				
PSW04450	Review and Revise Flowsheet Document	01AUG95	30AUG95				
PSW04455	Approve Flowsheet Document	03SEP95	30SEP95				
PSW04470	Complete Lab Tests	03OCT94	18OCT94				
PSW04475	Complete Lab Analysis	19OCT94	23NOV94				
PSW04480	Prepare and Issue Final Report	28NOV94	30DEC94				
PSW04485	Prepare Engineering Evaluation Report	03OCT94	13JAN95				
PSW04490	Approve Engineering Evaluation Report	16JAN95	31JAN95				
PSW04490A	Issue Engineering Evaluation Report		31JAN95				
PSW04500	Special Flowsheet Requests	03OCT94	29SEP95				
PSW04505	1998 Slidg Wash Decision Qual Dec Model Documntn	03OCT94	15DEC94				
PSW04510	Prototype Decision Model	16DEC94	01JUN95				
PSW04510A	Issue Prototype Decision Model Supports M-50-03		01JUN95				
PSW04515	LLW Vit Prototype Decision Model Documentation	02JUN95	29SEP95				
PSW04520	Integrate Pretreatment/LLW Vit Decision Models	02OCT95	03JUN96				
PSW04525	HWL Vit Prototype Decision Model Documentation	01OCT96*	31JAN97				
PSW04530	Doc Decision Model Act to Eval Pret/Vit Alls	03FEB97	30MAY97				
PSW04535	Sum Rpt Doc Decision Model Dev/App'l for M-50-03*	02JUN97	30SEP97				
PSW04620	Prepare Draft Report for Review	03OCT94	30NOV94				
PSW04625	Review Cleared Report	01DEC94	31JAN95				
PSW04630	Present Results to Management and Staff	01FEB95	28FEB95				
PSW04635	Prepare Disposal Basis Document	03OCT94	30NOV94				
PSW04635A	Issue Approved Disposal Basis Document		30NOV94				
PSW04640	Review Revision to Pret DQO Document	01DEC94	01JUN95				
PSW04645	Review Updated Sample Priority List	02OCT95*	29MAR96				
PSW04650	Review Revision Pretreat DQO Document	01APR96	31MAY96				
PSW04655	Review Updated Sample Priority List	01OCT96*	31MAR97				
PSW04660	Review Revision Pretreat DQO Document	01APR97	30MAY97				
PSW04710	Prepare 1995 M-50-03-T02 Status Report	03APR95*	30JUN95				
PSW04720	Finalize 1995 ESW Status Report	05JUL95	31AUG95				
PSW04730	1995 ESW Status Report TPA WDOE	01SEP95	29SEP95				
PSW04730A	M-50-03-T02A - Subt Rpt Sum the Testing of ESW		29SEP95				

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97																								
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
PSW04740	Prepare 1996 M-50-03-T02 Status Report	01APR96	28JUN96																												
PSW04750	Finalize 1996 ESW Status Report	01JUL96	30AUG96																												
PSW04760	1996 ESW Status Report TPA WDOF	03SEP96	30SEP96																												
PSW04760A	M-50-03-T02B - Subt Rpt Sum the Testing of ESW		30SEP96																												
PSW04770	Prepare 1997 M-50-03-T02 Status Report	03APR97	30JUN97																												
PSW04780	RL Review/WHC Finalize 1997 ESW Status Report	01JUL97	29AUG97																												
PSW04790	RL 1997 ESW Status Report	02SEP97	30SEP97																												
PSW04790A	M-50-03-T02C - Subt Rpt Sum the Testing of ESW		30SEP97																												
1.1.3.01.05 W-236B Pretreatment Facility Initial Pretreatmen																															
1.1.3.01.05.0																															
PDW00000	INITIATOR BLOCK	03OCT94*	03OCT94	X																											
1.1.3.01.05.01 Project Management																															
PDW00005	CONCEPTUAL DESIGN REPORT APPROVED BY		30APR96*																												
PDW00010	INDEPENDENT COST ESTIMATE REVIEW		29MAR96*																												
PDW00015	PSE APPROVED BY DOE-RL		30APR96*																												
PDW00100	KEY DECISION 1		30SEP96*																												
PDW11105	PROVIDE PROJECT MANAGEMENT	04OCT94	30SEP96																												
PDW11105	PRODUCE THE PROJECT MANAGEMENT PLAN		30SEP96*																												
PDW11110	PERFORM MANAGEMENT- A-E RESIDENT	04OCT94	30SEP96																												
PDW11115	PERFORM MANAGEMENT-PROJECT	04OCT94	30SEP96																												
PDW11120	PERFORM MANAGEMENT - PROJECT MANAGER	04OCT94	30SEP96																												
PDW11125	PERFORM MANAGEMENT-PERMITTING & SAFETY	04OCT94	30SEP96																												
PDW11130	PERFORM MANAGEMENT-APPLIED ENGINEERING	04OCT94	30SEP96																												
PDW11135	PERFORM MANAGEMENT-BUSINESS	04OCT94	30SEP96																												
PDW11205	IPM MANAGEMENT (CAPITAL)	01OCT96	30SEP97																												
PDW11305	TECHNICAL EDITING	04OCT94	30SEP96																												
PDW11310	DOCUMENT CONTROL	04OCT94	30SEP96																												
PDW11315	COST BASELINE DEVELOPMENT &	04OCT94	30SEP96																												
PDW11320	SCHEDULE BASELINE DEVELOPMENT &	04OCT94	30SEP96																												
PDW11325	DOCUMENT CONTROL AND TECHNICAL EDITING	01OCT96	30SEP97																												
PDW11405	COST & SCHEDULE BASELINE DEV/ADMIN FOR	01OCT96	30SEP97																												
PDW11505	MANAGE PROJECT SPECIFIC TRAINING	04OCT94	27FEB95																												
PDW11505	ISSUE APPROVED PROJECT SPECIFIC TRAINING	28FEB95																													
PDW11510	MANAGE PROJECT SPECIFIC TRAINING	28FEB95	26SEP97																												
PDW11520	EDUCATION & STAFF DEVELOPMENT	04OCT94	29SEP95																												
PDW11525	PERFORM ADP AQUISITIONS	04OCT94	29SEP95																												
PDW11530	TRAVEL	04OCT94	29SEP95																												

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Activity ID	Activity Description	Early Start	Early Finish	FY94				FY95				FY96				FY97														
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
PDW13105	PREPARE QUALITY ASSURANCE PROGRAM PLAN	04OCT94	29SEP95																											
PDW13110	REVIEW PROJECT RELATED DOCUMENTATION	04OCT94	29SEP95																											
PDW13115	PERFORM QA DESIGN REVIEWS FY 1995	04OCT94	29SEP95																											
PDW13120	PERFORM QA SURVEILLANCE/AUDITS FY 1995	04OCT94	29SEP95																											
PDW13125	PROVIDE QA PROCUREMENT SUPPORT FY 1995	04OCT94	29SEP95																											
PDW13130	PERFORM QA ADMINISTRATION FY 1995	04OCT94	29SEP95																											
PDW13135	PREPARE QUALITY ASSURANCE PROG	02OCT95	30SEP96																											
PDW13135	ISS THE IPM QUALITY ASSURANCE PROGRAM	01APR96*																												
PDW13140	RWW PROJECT RLTD DOCUMENTATION FOR QA	02OCT95	30SEP96																											
PDW13145	PERFORM QA DESIGN REVIEWS FY 1996	02OCT95	30SEP96																											
PDW13150	PERFORM QA SURVEILLANCES/AUDITS FY 1996	02OCT95	30SEP96																											
PDW13155	PROVIDE QA PROCUREMENT SUPPORT FY 1996	02OCT95	30SEP96																											
PDW13160	PERFORM QA ADMINISTRATION FY 1996	02OCT95	30SEP96																											
PDW13161	UPDATE PROJECT QAPP FY1997	01OCT96	30SEP97																											
PDW13165	RWW PROJECT RELATED DOCUMENTATION FOR	01OCT96	30SEP97																											
PDW13170	PERFORM QA DESIGN REVIEWS FY 1997	01OCT96	30SEP97																											
PDW13175	PERFORM QA SURVEILLANCE/AUDITS FY 1997	01OCT96	30SEP97																											
PDW13180	PROVIDE QA PROCUREMENT SUPPORT FY 1997	01OCT96	30SEP97																											
PDW13185	PERFORM QA ADMINISTRATION FY 1997	01OCT96	30SEP97																											
1.1.3.01.05.02																														
PDW21105	PREP WESF HOT CELL CLNOUT FOR IX TEST	04OCT94	31MAR95																											
PDW21106	CLN-OUT WESF HOT CELLS ION XCHANGE & TRU	13JUL95	04JAN96																											
PDW21106	ALL CELL DECON, REPAIR, & LIGHT INSTLLTN		04JAN96																											
PDW21130	PERFORM CESIUM SEPARATION PROCESS	01AUG96	30APR98																											
PDW21135	PERF POLISHING FILTRATION PROCESS	01FEB95	31JUL95																											
PDW21135	RPT ON VENDOR TEST OF POLISHING FLTRS		31JUL95																											
PDW21146	PERF S/L SEPARATIONS EQPT DEVELOPMENT	01FEB95	30SEP96																											
PDW21146	EVAL S/L SEPARATION EQPT NCAW & 105-C		30SEP96																											
PDW21147	PERF S/L SEPARATIONS EQPT DEVELOPMENT	01OCT96	30SEP97																											
PDW21147	S/L SPRTN EQPT T-111 & 102-C STMLNTS EVAL		30SEP97																											
PDW21148	DEVELOP POLISHING FILTRATION	04OCT94	31JAN95																											
PDW21149	CONTINUE TO DEVELOP POLISHING FILTRATION	01FEB95	30SEP97																											
PDW21150	PERF S/L SEPARATIONS PROCESS DEV	01FEB95	31JUL95																											
PDW21150	RPT VNDR TSTNG S/L SPRTN EQPT		31JUL95																											
PDW21153	PERF COMPLEXANT DESTRUCTN EQPT	01OCT97	30JUL99																											
PDW21155	PERFORM SIMULANT DEVELOPMENT	04OCT94	31JAN95																											
PDW21155	SLDGE & SPRTNTS VNDR TSTNG SIMULANTS		31JAN95																											

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O
PDW32T05	(M-50-01-T02)CNCPTL DSN & INIT DFF IV DSN LLW		31DEC96*				
1.1.3.01.05.04 Construction							
1.1.3.01.05.05 Start-up							
1.1.3.01.05.06 Regulatory Compliance and Safety							
PDW61T05	PREPARE AIR PERMITS MOD 1	16JUN97*	30SEP98				
PDW61I10	REVISE PERMITTING PLAN	04OCT94	04JAN95				
PDW61I12	PROVIDE PERMITTING SPPT-TESTING	05JAN95	01JUL96				
PDW61I15	PREPARE NEPA-ION EXCHANGE TEST	04OCT94	03JAN95				
PDW61I17	PREPARE NEPA-FILTER TEST	22NOV95	27MAR96				
PDW61I20	PREPARE RCRA PERMITS-ION EXCHANGE TEST	04OCT94	15JUN95				
PDW61I22	PREPARE RCRA PERMIT-FILTER TEST	22NOV95	26MAR97				
PDW61I25	PREPARE AIR PERMITS-ION EXCHANGE TEST	04OCT94	30JUN95				
PDW61I27	PREP AIR PERMITS-FILTER TEST	22NOV95	04FEB97				
PDW61I40	PREPARE RCRA PERMITS-NOI AND PART A	01OCT97*	30NOV98				
PDW62T05	PROVIDE ADVANCED CONCEPTUAL DESIGN	15MAR96*	30SEP96				
PDW62I11	PERFORM SAFETY EVAL FOR WESF CLEANOUT	06APR95*	12JUL95				
PDW62I12	PERFORM PRELIMINARY SAFETY EVAL FOR ION	01JUN95	29SEP95				
PDW62I13	PERFORM SAFETY EVAL FOR FILTER TESTING	01JUL96*	30DEC96				
PDW62I14	PREP FINAL SAFETY ASSESSMENT ION	02OCT95	18JUN96				
PDW62I15	PROVIDE RVW DRFT OF SAFETY MGMT PLAN	04OCT94	16DEC94				
PDW62I25	PREP AND APPRV SAFETY MGMT PLAN FNL DRFT	19DEC94	03FEB95				
PDW62I25	SAFETY MANAGEMENT PLAN(W-236B)		03FEB95				
PDW62I30	PREP DRFT PRELIMINARY HAZARD ANALYSIS	28FEB95	30MAY95				
PDW62I35	PREP FNL PRELIMINARY HAZARD ANALYSIS	02OCT95*	31JAN96				
PDW62I40	PREP HAZARD CATEGORY FOR MOD 2	01AUG95*	29SEP95				
PDW62I45	PREP HAZARD CATEGORY FOR MOD 1	02JUN95	06JUL95				
PDW62I50	PREP DRAFT PRELIMINARY SAFETY EVALUATION	02JUN95	04DEC95				
PDW62I55	ISS FINAL PRELIMINARY SAFETY EVALUATION	05DEC95	29FEB96				
PDW62I55	PRELIMINARY SAFETY EVALUATION(W-236B)		29FEB96				
PDW62I65	REVISE PRELIMINARY SAFETY EVALUATION	15MAR96*	30SEP96				
PDW62I70	PROVIDE CONCEPTUAL DESIGN SUPPORT	04OCT94	25JAN96				
PDW62205	ISSUE PSAR (MOD 1) WORK PLAN	01OCT96	02MAR97				
PDW62210	PREPARE PSAR(MOD 1)	01OCT96	02MAR98				
PDW62215	PROVIDE SUPPORT DURING TITLE I DESIGN	01OCT96	31MAR98				
1.1.3.01.05.07 Technology Demonstration							
1.1.3.01.05.08 Hot Pilot Plant							
1.1.3.01.06 Undefined WBS							

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ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94	FY95						FY96						FY97						FY98						
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
L1040101	SUPPORT SYSTEMS ENGINEERING - 1995	30CT94	8SEP95																										
L1040196	SUPPORT SYSTEMS ENGINEERING - 1996	20CT95	6SEP96																										
L1040197	SUPPORT SYSTEMS ENGINEERING - 1997	10CT96	8SEP97																										
L1050101	PROGRAM Q.A. SUPPORT	30CT94	8SEP95																										
L1050102	PROGRAM SAFETY SUPPORT	30CT94	8SEP95																										
L1050103	FINANCIAL/SCHEDULE/ESTIMATING SUPPORT	30CT94	8SEP95																										
L1050104	PROGRAM MANAGEMENT SUPPORT	30CT94	8SEP95																										
L1050196	PROGRAM MANAGEMENT SUPPORT - 1996	20CT95	6SEP96																										
L1050197	PROGRAM MANAGEMENT SUPPORT -1997	10CT96	8SEP97																										
L1060101	CONDUCT STATUS MEETINGS	30CT94	8SEP95																										
L1060196	SUPPORT PUBLIC INVOLVEMENT - 1996	20CT95	6SEP96																										
L1060197	SUPPORT PUBLIC INVOLVEMENT - 1997	10CT96	8SEP97																										
L2010131	VENDOR 7: TEST PLAN PREPARATION	30CT94	27JAN95																										
L2010401	MELTER TESTING: LAB CONTRACTS WHC SUPPORT	30CT94	6SEP96																										
L2010402	MELTER TESTING: LAB CONTRACTS QA SUPPORT	30CT94	6SEP96																										

Plot Date 28SEP94
Data Date 10CT93
Project Start 10CT93
Project Finish 16MAR30

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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

DEPARTMENT OF ENERGY - RICHLAND, WASHINGTON

Date	Revision	Checked	Approved

WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

C8-4

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94												FY95												FY96												FY97												FY98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
L2010403	MELTER TESTING: GLASS LAB CONTRACTS	30CT94	6SEP96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

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ACTIVITY		EARLY START	EARLY FINISH	FY94	FY95					FY96					FY97					FY98										
ACTIVITY ID	DESCRIPTION			J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
L2010105	VENDOR 1: PHASE 2 PROPOSAL	15FEB95	29MAR95																											
L2010209	PHASE 2 CONCEPTUAL FLOW SHEET	24FEB95	19JAN96																											
L2010210	PHASE 2 REMOTABILITY/OPERABILITY	24FEB95	19JAN96																											
L2010211	PHASE 2 FACILITY CONFIGURATION	10MAR95	2FEB96																											
L2010408	MELTER TESTING: PHASE 2 LAB TESTING & REPORTS	24APR95	15MAR96																											
L2010164	PHASE 1 TESTING: FINAL REPORT	9MAY95	20JUN95																											
L2010165	MELTER TECHNOLOGY DOWN SELECTION FOR PHASE 2	21JUN95	24JUL95																											
L2010152	VENDOR 5: PHASE 2 - TEST PLAN PREPARATION	25JUL95	5SEP95																											
L2010153	VENDOR 5: PHASE 2 - TEST PREPARATION	25JUL95	14DEC95																											
L2010144	VENDOR 3: PHASE 2 - TEST PLAN PREPARATION	25JUL95	5SEP95																											
L2010145	VENDOR 3: PHASE 2 - TEST PREPARATION	25JUL95	14NOV95																											
L2010148	VENDOR 4: PHASE 2 - TEST PLAN PREPARATION	25JUL95	5SEP95																											
L2010149	VENDOR 4: PHASE 2 - TEST PREPARATION	25JUL95	14NOV95																											
L2010136	VENDOR 1: PHASE 2 - TEST PLAN PREPARATION	25JUL95	12SEP95																											
L2010137	VENDOR 1: PHASE 2 - TEST PREPARATION	25JUL95	17OCT95																											
L2010140	VENDOR 2: PHASE 2 - TEST PLAN PREPARATION	25JUL95	5SEP95																											

Plot Date28SEP94

Data Date1OCT93

Project Start1OCT93

Project Finish16MAR90

Activity Bar/Early Dates

Critical Activity

Progress Bar

Milestone/Flag Activity

L500

WESTINGHOUSE HANFORD COMPANY

LOW LEVEL WASTE DISPOSAL PROGRAM

BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

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ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH
L2010141	VENDOR 2: PHASE 2 - TEST PREPARATION	25JUL95	17OCT95
L2010212	MELTER TESTING TO SUPPORT DESIGN	21SEP95	4SEP96
L2010138	VENDOR 1: PHASE 2 - TESTING	18OCT95	15NOV95
L2010142	VENDOR 2: PHASE 2 - TESTING	18OCT95	15NOV95
L2010146	VENDOR 3: PHASE 2 - TESTING	15NOV95	18DEC95
L2010150	VENDOR 4: PHASE 2 - TESTING	15NOV95	18DEC95
L2010139	VENDOR 1: PHASE 2 - REPORTING	16NOV95	14FEB96
L2010143	VENDOR 2: PHASE 2 - REPORTING	16NOV95	14FEB96
L2010154	VENDOR 5: PHASE 2 - TESTING	15DEC95	17JAN96
L2010147	VENDOR 3: PHASE 2 - REPORTING	19DEC95	15MAR96
L2010151	VENDOR 4: PHASE 2 - REPORTING	19DEC95	15MAR96
L2010155	VENDOR 5: PHASE 2 - REPORTING	18JAN96	11APR96
L2010166	PHASE 2 TESTING FINAL REPORT	12APR96	14JUN96
L2010409	MELTER TESTING: PHASE 3 ANALYTICAL LAB REQUIREMN	1MAY96	30MAY96
L2010167	MELTER TECHNOLOGY SELECTION	17JUN96	17JUN96
L2010160	VENDOR 2: PHASE 3 - TEST PLAN PREPARATION	17JUN96	6AUG96

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Plot Date 28SEP94 Data Date 1OCT93 Project Start 1OCT93 Project Finish 16MAR30 (c) Primavera Systems, Inc.	Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity	1500 <div> <div>WESTINGHOUSE HANFORD COMPANY</div> <div>LOW LEVEL WASTE DISPOSAL PROGRAM</div> <div>BAR CHART SCHED:ACT.SORT:SMS1/ES/TF</div> </div>	Sheet 8 of 28 DEPARTMENT OF ENERGY - RICHLAND, WASHINGTON <table border="1"> <thead> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date	Revision	Checked	Approved																				
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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT SORT:SMS1/ES/TF

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ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94				FY95				FY96				FY97				FY98									
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
L2060106	PILOT PLANT PROCUREMENT & FABRICATION	2JAN97	22SEP97																										
L2070501	GLASS FORMULATION MODEL DEVELOPMENT	30CT94	21AUG97																										
L2070301	SAVANA RIVER MINOR COMPONENT STUDIES	30CT94	19AUG97																										
L2070104	GLASS FORM/COMP.: RECOMMEND PH.2 GLASS FORMULA	30CT94	27FEB95																										
L2070601	IMPROVE GLASS DURABILITY	30CT94	11JUL96																										
L2070101	GLASS FORM/COMP.: REEVAL. MELTER VENDER PROCESS	30CT94	29DEC94																										
L2070103	GLASS FORM/COMP.: ANALYSE GLASS PHASE 2	30CT94	23FEB95																										
L2070102	GLASS FORM/COMP.: TEST GLASS FORMUL.ON VENDOR	30CT94	8FEB95																										
L2070201	GLASS SCREENING OF WASTE LOADING FOR PA	3JAN95	2APR96																										
L2070202	VARY WASTE LOADING & TEMPERATURE	30MAR95	2JAN96																										
L2070401	LONG TERM DURABILITY TEST DEVELOPMENT	5JUL95	23JAN97																										
L2070303	HIGH PHOSPHATE GLASS COMPOSITION	11SEP95	19MAR96																										
L2070304	PHASE SEPERATION IN GLASS	11SEP95	12MAR96																										
L2070402	PERFORM LONG RUN PCT & VAPOR HAZARDS	1APR96	27FEB97																										
L2080101	LLW DATA BASE DEVELOPMENT	30CT94	22JAN96																										

Plot Date 28SEP94
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Activity Bar/Early Dates
 Critical Activity
 Progress Bar
 Milestone/Flag Activity

WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
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ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94	FY95	FY96	FY97	FY98
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N	O N D J F M A M J J A S O N D J F M A M J J A S O N	S O N D J F M A M J J A S O N D J F M A M J J A S O N	D J F M A M J J A S O N D J F M A M J J A S O N	A M J J A S O N D J F M A M J J A S O N
L2100203	DIPOSAL PACKAGING SELECTION	2JAN97	31JAN97				□	
L2110101	LLW VIT. SYSTEMS OVERSIGHT/PLANNING; WHC NGMT.	30CT94	21AUG97					
L2110102	LLW VIT. SYSTEMS OVERSIGHT/PLANNING; CLERICAL	30CT94	21AUG97					
L2110103	LLW VIT. SYSTEMS OVERSIGHT/PLANNING; ENGINEERING	30CT94	21AUG97					
L2120101	SIMULANT CONTRAC; WHC SUPPORT	30CT94	29AUG96					
L2120102	LET SIMULANT CONTRACT	30CT94	29AUG96					
L2120201	SIMULANT DEVELOPMENT, PHASE II; WHC SUPPORT	30CT94	29AUG96					
L2120202	SIMULANT DEVELOPMENT, PHASE II; PNL SUPPORT	30CT94	21AUG97					
L2120302	FEED SPECIFICATION, PHASE II; PNL SUPPORT	30CT94	2JUL96					
L2120301	FEED SPECIFICATION, PHASE II; WHC SUPPORT	30CT94	29AUG96					
L3010101	BASLINE DEVELOPMENT SUPPORT	30CT94	8SEP95					
L3020101	O & M MANAGEMENT AND PLANNING	20CT95	14AUG97					
L4010201	PREP.REV. "O" OF LLW ACCEPT.CRITERIA DOC.	30CT94	25JAN95					
L4010403	PH.II TRADE STUDIES; LLW PROCESS CONTROL	30CT94	22MAY95					

Plot Date 28SEP94
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Project Finish 16MAR93

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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94					FY95					FY96					FY97					FY98					
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
L4010101	LLW F & R DOCUMENT	30CT94	13MAR95																										
L4010401	DECIDE INTEGRATED vs CENTRALIZED SUPT. FUNCTIONS	30CT94	2JUN95																										
L4010405	CONNECTOR DEVELOPMENT TRADE STUDY	30CT94	22MAY95																										
L4010406	SOLID WASTE HANDLING	30CT94	22MAY95																										
L4010407	REVIEW HDT MELTER OFFGAS DATA	30CT94	22MAY95																										
L4010301	4231A - PRODUCT CONFIGURATION TRADE STUDY	30CT94	29DEC94																										
L4010402	UPDATE FACILITY CONFIGURATION STUDY	30CT94	27DEC94																										
L4010404	4231B - LLW DISPOSAL OPTIONS CONFIGURATION STUDY	30CT94	27FEB95																										
L495MS01	ISSUE UPDATED FACILITY OPTIONS CONFIG. STUDY	28DEC94	27DEC94																										
L4010409	4231B - PRELIMINARY DISPOSAL FACILITY CONCEPT	3JAN95	20CT95																										
L4010302	4231B - DETERMINE ILLW DISPOSAL/RETRIEVABILITY	3JAN95	30AUG95																										
L4010303	4321A - PREPARE ILLW PRODUCT CRITERIA DOCUMENT	3JAN95	16SEP96																										
L495MS05	ISSUE LLW FEED ACCEPTANCE CRITERIA DOCUMENT	26JAN95	25JAN95																										
L4010202	PREP. REV. "1" OF LLW ACCEPT.CRITERIA DOC.	1FEB95	21AUG95																										
L495MS04	ISSUE FUNCTIONS AND REQUIREMENTS DOC. REV. "0"	14MAR95	13MAR95																										
L4010501	DETERMINE NRC CLASSIFICATION OF SST LLW FRACTION	3APR95	10JUL96																										

Plot Date 28SEP94
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Project Finish 16MAR30

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

WESTINGHOUSE HANFORD COMPANY

LOW LEVEL WASTE DISPOSAL PROGRAM

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LOW LEVEL WASTE DISPOSAL PROGRAM
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Plot Date 28SEP94 Data Date 10CT93 Project Start 10CT93 Project Finish 16MAR30		L500 WESTINGHOUSE HANFORD COMPANY LOW LEVEL WASTE DISPOSAL PROGRAM BAR CHART SCHED:ACT.SORT:SMS1/ES/TF	Sheet 16 of 28 DEPARTMENT OF ENERGY - RICHLAND, WASHINGTON																																																
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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

08-21

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94	FY95	FY96	FY97	FY98
				J A S O N D J F M A M J J A S	O N D J F M A M J J A S	O N D J F M A M J J A S	O N D J F M A M J J A S	O N
L5030146	ENGIN. ADMIN. - EXPENSE: PROJECT DOCUMENT. - 96	20CT95	6SEP96					
L5030297	ENGIN. ADMIN. - EXPENSE: PROJECT ADMIN. - 97	10CT96	290CT96					
L5030197	ENGIN. ADMIN. - EXPENSE: PROJECT DOCUMENT. - 97	10CT96	290CT96					
L5040197	ENGIN. ADMIN. - PROJECT DOCUMENTATION - 97	1NOV96	11SEP97					
L5040297	ENGIN. ADMIN. - PROJECT ADMINISTRATION - 97	1NOV96	11SEP97					
L5050101	Analysis and Reporting - 95	30CT94	8SEP95					
L5050102	Scheduling Support - 95	30CT94	8SEP95					
L5050103	Change Control Support- 95	1NOV94	20SEP95					
L5050105	Document Control and Support - 95	3APR95	24SEP95					
L5050146	PROJECT ADMIN. - EXPENSE: PROJECT CONTROL - 96	20CT95	6SEP96					
L5050197	PROJECT ADMIN. - EXPENSE: PROJECT CONTROL - 97	10CT96	290CT96					
L5060197	PROJECT ADMIN. - CAPITAL: PROJECT CONTROL - 97	1NOV96	11SEP97					
L5070102	Office Supplies - 95	30CT94	8SEP95					
L5070103	Training - 95	30CT94	8SEP95					

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Project Start 10CT93
Project Finish 16MAR30

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ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94	FY95					FY96					FY97					FY98											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
L5070104	Misc. Expense - 95	30CT94	8SEP95																												
L5070101	Building Modifications - 95	1DEC94	21SEP95																												
L5070146	RESOURCE MANAGEMENT - EXPENSE: RESOURCE MGMT -95	20CT95	6SEP96																												
L5070147	RESOURCE MANAGEMENT - EXPENSE: RESOURCE MGMT. -97	10CT96	8SEP97																												
L5080101	ADP Acquisitions/Repair and Maint. - 95	30CT94	8SEP95																												
L5080146	AUTOMATED DATA PROCESSING EQUIP - EXPENSE: 96	20CT95	6SEP96																												
L5080147	AUTOMATED DATA PROCESSING EQUIP - EXPENSE: 97	10CT96	8SEP97																												
L5090101	Quality Assurance - 95	1MAR95	15SEP95																												
L5090146	QUALITY ASSURANCE - EXPENSE: 96	20CT95	6SEP96																												
L5090147	QUALITY ASSURANCE - EXPENSE: 97	10CT96	8SEP97																												
L5100102	Provide Safety Technical Exchange Interface - 95	1MAR95	15SEP95																												
L5100101	Develop Safety Mgmt. Plans and Revisions - 95	1MAR95	15SEP95																												
L5100146	SAFETY DDC. PLANNING CONTROL - EXPENSE: 96	20CT95	6SEP96																												
L5100147	SAFETY DDC. PLANNING CONTROL - EXPENSE: 97	10CT96	8SEP97																												

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Data Date 10CT93
Project Start 10CT93
Project Finish 16MAR90

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

L500

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LOW LEVEL WASTE DISPOSAL PROGRAM
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Plot Date	28SEP94	<p>Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity</p>	L500	Sheet 24 of 28	DEPARTMENT OF ENERGY - RICHLAND, WASHINGTON				
Data Date	1OCT93		WESTINGHOUSE HANFORD COMPANY LOW LEVEL WASTE DISPOSAL PROGRAM BAR CHART SCHED:ACT.SORT:SMS1/ES/TF			Date	Revision	Checked	Approved
Project Start	1OCT93								
Project Finish	16MAR90								
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ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94	FY95	FY96	FY97	FY98
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N				
L5190196	DESIGN LIAISON - EXPENSE: PROJ. ENGINEERING - 96	20CT95	6SEP96					
L5190296	DESIGN LIAISON - EXPENSE: OPERATION SUPPORT - 96	20CT95	6SEP96					
L5190396	DESIGN LIAISON - EXPENSE: TRNS SUPPORT - 96	20CT95	6SEP96					
L5190496	DESIGN LIAISON - EXPENSE: DESIGN SUPPORT - 96	20CT95	6SEP96					
L5190197	EESIGN LIAISON - EXPENSE: PROJ. ENGINEERING - 97	10CT96	8SEP97					
L5190297	DESIGN LIAISON - EXPENSE: OPERATIONS SUPPORT - 97	10CT96	29OCT96					
L5190397	EESIGN LIAISON - EXPENSE: TRNS SUPPORT - 97	10CT96	29OCT96					
L5190497	DESIGN LIAISON - EXPENSE: DESIGN SUPPORT - 97	10CT96	29OCT96					
L5200101	Conceptual Design (A/E)	20MAR95	22FEB96					
L545M501	START CONCEPTUAL DESIGN	20MAR95	17MAR95					
L5200102	Advanced Conceptual Design (A/E)	1MAR96	31OCT96					
L5210197	DESIGN LIAISON - EXPENSE: REVIEW SUPPORT - 97	10CT96	19AUG97					
L5220297	DESIGN LIAISON - CAPITAL: OPERATIONS SUPPRT - 97	10CT96	19AUG97					
L5220197	DESIGN LIAISON - CAPITAL: PROJECT ENGINEERING-97	9OCT96	27AUG97					
L5220397	DESIGN LIAISON - CAPITAL: TRNS SUPPORT - 97	18OCT96	8SEP97					

Plot Date 28SEP94
Data Date 10CT93
Project Start 10CT93
Project Finish 16MAR30

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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

DEPARTMENT OF ENERGY - RICHLAND, WASHINGTON

Date	Revision	Checked	Approved

WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

C8-26

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94					FY95					FY96					FY97					FY98					
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
L5230197	PRELIMINARY DESIGN (A/E) - CAPITAL: 97	1NOV96	22SEP97																										
L6020101	RESTART COMPLIANCE: INSPECTIONS	30CT94	8SEP95																										
L6020102	RESTART COMPLIANCE: CORRECTIVE ACTIONS	30CT94	8SEP95																										
L6020103	RESTART COMPLIANCE: QUALITY ASSURANCE PLAN	30CT94	8SEP95																										
L6020104	RESTART COMPLIANCE: TRAINING	30CT94	8SEP95																										
L6020105	RESTART COMPLIANCE: BUILDING EMERGENCY PLAN	30CT94	8SEP95																										
L6020201	DOE ORDER COMPLIANCE ACT.: ASSESSMENTS	30CT94	8SEP95																										
L6020202	DOE ORDER COMPLIANCE ACT.: PROCEDURES	30CT94	8SEP95																										
L6020203	DOE ORDER COMPLIANCE ACT.: MAINTENANCE PLAN	30CT94	8SEP95																										
L6020204	DOE ORDER COMPLIANCE ACT.: GROUT HI & E	30CT94	8SEP95																										
L6020205	DOE ORDER COMPLIANCE ACT.: USQ EVALUATIONS	30CT94	8SEP95																										
L6020301	TWO YEAR COMPLIANCE ACT.: EQUIP. MAINTENANCE	30CT94	8SEP95																										
L6020302	TWO YEAR COMPLIANCE ACT.: EQUIPMENT REPLACEMENT	30CT94	8SEP95																										
L6020303	TWO YEAR COMPLIANCE ACT.: REFERENCE LIBRARY	30CT94	8SEP95																										
L6020304	TWO YEAR COMPLIANCE ACT.: RESTART PLAN	30CT94	8SEP95																										
L6020305	TWO YEAR COMPLIANCE ACT.: ADMIN. PROCEDURE	30CT94	8SEP95																										

Plot Date 28SEP94
Data Date 10CT93
Project Start 10CT93
Project Finish 16MAR30

(c) Primavera Systems, Inc.

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

L500

WESTINGHOUSE HANFORD COMPANY

LOW LEVEL WASTE DISPOSAL PROGRAM

BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

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Date	Revision	Checked	Approved

WHC-SP-1101

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	FY94	FY95	FY96	FY97	FY98
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N	J A S O N D J F M A M J J A S O N D J F M A M J J A S O N	J A S O N D J F M A M J J A S O N	J A S O N D J F M A M J J A S O N	J A S O N D J F M A M J J A S O N
L6020306	TWO YEAR COMPLIANCE ACT.: FSAR & PERFORM. ASSE	30CT94	8SEP95					
L6020401	EQUIPMENT TRANSFER	30CT94	8SEP95					
L6020402	CONFIGURATION MANAGEMENT	30CT94	8SEP95					
L6020501	ADMINISTRATIVE SUPPORT: PROGRAM ADMINISTRATION	30CT94	8SEP95					
L6020502	ADMINISTRATIVE SUPPORT: BUILDING ADMINISTRATION	30CT94	8SEP95					
L6020503	ADMINISTRATIVE SUPPORT: RESEARCH & TOURS	30CT94	8SEP95					
L6030296	COLD STANDBY COMPLIANCE	20CT95	14AUG97					
L6030396	TWO YEAR RESTART COMPLIANCE ACTIVITIES	20CT95	14AUG97					
L6030496	TWO YEAR RESTART ACTIVITIES: EQUIP. TRANSFERS	20CT95	14AUG97					
L6030596	TWO YEAR RESTART ACTIVITIES: ADMIN. SUPPORT	20CT95	14AUG97					
L6030196	COLD STANDBY: REGULATORY COMPLIANCE ACT.	20CT95	14AUG97					
L6050101	FABRICATE CONTAINER AP-102 MIXER: PROCUREMENT	30CT94	29DEC94					
L6050201	FABRICATE CONTAINER AP-102 MIXER: FAB. CONTAINER	30DEC94	27MAR95					
L695MS02	GROUT FSAR ISSUES - CLOSURE	11SEP95	8SEP95					
L695MS03	COMPLETE FY-95 GROUT RESTART PLAN	11SEP95	8SEP95					

Plot Date 28SEP94
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Activity Bar/Early Dates
Critical Activity
Progress Bar
Milestone/Flag Activity

WESTINGHOUSE HANFORD COMPANY
 LOW LEVEL WASTE DISPOSAL PROGRAM
 BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

ACTIVITY		EARLY START	EARLY FINISH	FY94	FY95	FY96	FY97	FY98																						
ACTIVITY ID	DESCRIPTION			J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
L696MS01	PUBLICATION OF GROUT PERFORMANCE ASSESSMENT	11SEP95	8SEP95																											
L695MS01	AP-102 MIXER PUMP REMOVAL COMPLETE	28MAR95	27MAR95																											

Plot Date 28SEP94
Data Date 10CT93
Project Start 10CT93
Project Finish 16MAR30

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

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WESTINGHOUSE HANFORD COMPANY
LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

DEPARTMENT OF ENERGY - RICHLAND, WASHINGTON

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LOW LEVEL WASTE DISPOSAL PROGRAM
BAR CHART SCHED:ACT.SORT:SMS1/ES/TF

C9-1

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O
PMW5160	PRE-PROJECT OPERATIONS SUPPORT	04OCT95	21SEP96				
PMW5170	PRE-PROJECT OPERATIONS SUPPORT	24SEP96	12SEP97				
PMW5200	PREPARE RD#0 DOCUMENTATION PACKAGE	16APR96	16JUL96				
PMW5300	PREPARE PRELIM PMP AND ORGANIZATION	04FEB95	10JUN95				
1.1.3.03.02 Technology Development and Applied Engineering							
HL02005	Perform HLW Melter Testing and Evaluation	12SEP97	24FEB98				
HL02007	Perf HLW Process/Equipment Dev and Testing	22MAR97	29DEC99				
HL0215B	Perf HLW Canister/Cask Product Qualification	22OCT97	21OCT01				
HL03017A	Perf HLW Process/Plant Alternatives Evaluation	22OCT97	21APR00				
XSOHLS007	WR to HL: HLL Waste Cask to Radioactive Testing	01MAY97	30APR97				
1.1.3.03.02.01 HLW Process/Product Development							
VTD1000	PLANNING COORDINATION	01OCT94	30SEP95				
VTD1020	PROJECT SUPPORT	01OCT94	22JUL95				
VTD1022	ISSUE FY96 - FY98 PROJECT WORK PLAN TO HLW		22JUL95				
VTD1025	PROJECT SUPPORT PHASE 2	25JUL95	30SEP95				
VTD1040	INFORMATION MANAGEMENT	01OCT94	30SEP95				
VTD1060	QUALITY ASSURANCE SUPPORT	01OCT94	30SEP95				
VTD4000	HLW MANAGEMENT PLANNING COORDINATION	03OCT95	20SEP96				
VTD4020	HLW MANAGEMENT PROJECT SUPPORT FY95	03OCT95	17JUL96				
VTD4022	ISSUE FY97 - FY99 PROJECT WORK PLAN TO HLW		17JUL96				
VTD4025	PROJECT SUPPORT PHASE 2	18JUL96	31AUG96				
VTD4040	HLW MANAGEMENT INFORMATION MANAGEMENT	03OCT95	20SEP96				
VTD4060	QA SUPPORT FY96	03OCT95	20SEP96				
VTD5000	PLANNING AND COORDINATION FY97	21SEP96	11SEP97				
VTD5020	PROJECT SUPPORT FY97	04SEP96	19JUN97				
VTD5022	ISSUE FY98 - FY00 PROJECT WORK PLAN TO HLW		19JUN97				
VTD5025	PROJECT SUPPORT PHASE 2	20JUN97	02AUG97				
VTD5040	HLW MANAGEMENT INFORMATION MANAGEMENT	21SEP96	11SEP97				
VTD5060	QA SUPPORT FY97	21SEP96	11SEP97				
1.1.3.03.02.02 HLW Equipment/Process Development							
VTD1200	LOW TEMP GLASS DEVELOPMENT (D1, D2, D1a)	01OCT94	23MAY95				
VTD1202	ISSUE LETTER RPT ON LOW TEMP GLASS FORM		23MAY95				
VTD1205	HIGH TEMP GLASS FORM SCOPING TESTS	01OCT94	03OCT95				
VTD1210	PLAN MELTER TESTING	30MAR95	29SEP95				
VTD1211	ISSUE REVISED GLASS FORM TEST PLAN		29SEP95				
VTD1215	GLASS FORMULATION STRATEGY (D8)	01OCT94	15AUG95				
VTD1220	INITIAL ASSESS OF CRITICAL MINOR	01OCT94	24NOV94				

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C9-5

Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O N D J F M A M J J A S O	J A S O N D J F M A M J J A S O
VTD1720	PREPARE PILOT-SCALE STIRRED MELTER TEST	17FEB95	27SEP95				
VTD1760	HTM DESIGN	01OCT94	20DEC94				
VTD1780	SSHTM TESTING COMPLETION	01OCT94	17FEB95				
VTD1781	ISSUE FINAL SSHTM TEST REPORT		17FEB95				
VTD1820	HTM MATERIAL TESTING INVESTIGATION PLAN	01OCT94	25JAN95				
VTD1840	PERFORM HTM MATERIAL TESTING	23DEC94	21JUL95				
VTD1860	REDUCE, ANALYZE, & REPORT HTM MAT TESTING	04JAN95	28SEP95				
VTD1861	ISSUE HTM MATERIAL TESTING LETTER REPORT		28SEP95				
VTD1880	PSHTM MAINTENANCE	01OCT94	30SEP95				
VTD1940	ESTABLISH LABORATORY-SCALE TEST FACILITIES	01OCT94	21JAN95				
VTD1960	PREPARE L-S SYSTEM TEST PLANS (SYSTEM X&Y)	01OCT94	24JAN95				
VTD1980	PERFORM L-S SYSTEM TESTING (SYSTEMS X&Y)	21DEC94	21MAR95				
VTD2000	DOCUMENT L-S SYSTEM TESTING (SYSTEMS X&Y)	22MAR95	29SEP95				
VTD2001	ISSUE FINAL REPORT ON L-S SYSTEM TESTING		29SEP95				
VTD2010	ESTAB. S-S MELTER TESTING SUBCONTRACTS	21FEB95	18OCT95				
VTD2020	ESTAB. S-S MELTER TESTING SUBCONTRACTS	01OCT94	21JAN95				
VTD2040	PREPARE S-S MELTER TEST PLANS (SYSTEM X&Y)	24JAN95	25MAY95				
VTD2041	ISSUE FINAL TEST PLANS FOR S-S MELTER SYS		25MAY95				
VTD2050	PERFORM S-S MELTER SYSTEM TESTING	19OCT95	09MAY96				
VTD2060	DOCUMENT S-S SYSTEM TESTING (SYSTEM X&Y)	11APR96	04OCT96				
VTD2100	PLAN TESTS (P-S MELTER CONCEPTS A&B)	03OCT95	26JAN96				
VTD2120	PERFORM TEST (P-S MELTER CONCEPTS)	30NOV95	17AUG96				
VTD2140	DOCUMENT TESTS (P-S MELTER CONCEPTS A&B)	26MAR96	20SEP96				
VTD2160	PLAN TESTS (S-S MELTER CONCEPTS A&B)	03OCT95	30JAN96				
VTD2170	PERFORM TEST (S-S MELTER CONCEPTS A&B)	30NOV95	23APR96				
VTD2180	DOCUMENT TEST (S-S MELTER CONCEPTS A&B)	27MAR96	19SEP96				
VTD2200	PLAN TESTS (S-S SUPPORT OF MELTER)	04OCT95	25JAN96				
VTD2220	PERFORM TESTS (LAB SUPPORT OF MELTER)	01DEC95	23APR96				
VTD2240	DOCUMENT TEST (LAB SUPPORT OF S-S MELTER)	26MAR96	20SEP96				
VTD2260	PLAN TESTS (LAB SUPPORT OF MELTER)	20SEP96	14JAN97				
VTD2280	PERFORM TESTS (LAB SUPPORT MELTER)	14DEC96	13MAR97				
VTD2320	PLAN TESTS (S-S MELTER CONCEPTS A&B)	20SEP96	14JAN97				
VTD2340	PERFORM TESTS (S-S MELTER CONCEPTS A&B)	1DEC96	15APR97				
VTD2360	DOCUMENT TEST (S-S MELTER CONCEPTS A&B)	15MAR97	11SEP97				
VTD2380	PLAN TESTS (P-S MELTER CONCEPTS A&B)	20SEP96	14JAN97				
VTD2400	PERFORM TEST (P-S MELTER CONCEPTS A&B)	20NOV96	12APR97				

Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
VTD2420	DOCUMENT TESTS (P-S MELTER CONJEF (S A&3), 15MAR97	15MAR97	09SEP97	J A I S O N I D J F M A M J J J A S O N D J F M A M J J A S O	J A I S O N I D J F M A M J J J A S O N D J F M A M J J A S O	J A I S O N I D J F M A M J J J A S O N D J F M A M J J A S O	J A I S O N I D J F M A M J J J A S O N D J F M A M J J A S O
1.1.3.03.02.04 Process/Equipment Evaluation							
TDW0900	HLW TECHNOLOGY SUPPORT AND REPORTING	01 OCT 194	03 OCT 195				
TDW1000	TECH OVERSIGHT-TESTING OVERSIGHT &	01 OCT 194	03 OCT 195				
TDW1050	TECHNOLOGY OVERSIGHT - TEST PLAN REVIEWS	01 OCT 194	03 OCT 195				
TDW1100	TECH OVERSIGHT - ITP REVIEW AND REPORT	01 OCT 194	03 OCT 195				
TDW1500	HLW TECHNOLOGY SUPPORT AND REPORTING	04 OCT 195	21 SEP 96				
TDW1520	TECH OVERSIGHT-TEST OVERSIGHT/REPORT	04 OCT 195	21 SEP 96				
TDW1530	TECHNOLOGY OVERSIGHT - TEST PLAN REVIEWS	04 OCT 195	21 SEP 96				
TDW1540	TECH OVERSIGHT - ITP REVIEW/DPD INTERFACE	04 OCT 195	21 SEP 96				
TDW1700	HLW TECHNOLOGY SUPPORT AND REPORTING	24 SEP 96	12 SEP 97				
TDW1720	TECH OVERSIGHT-TEST OVERSIGHT/REPORT	24 SEP 96	12 SEP 97				
TDW1730	TECHNOLOGY OVERSIGHT - TEST PLAN REVIEWS	24 SEP 96	12 SEP 97				
TDW1740	TECH OVERSIGHT - ITP REVIEW/DPD INTERFACE	24 SEP 96	12 SEP 97				
TDW2000	PREPARE TECHNOLOGY DEVELOPMENT RQMTS	24 FEB 95	26 APR 95				
TDW2010	REVIEW TD RQMTS (PNL) FOR FY 1996	27 APR 95	25 MAY 95				
TDW2020	ISSUE HLW TD RQMTS DOCUMENT FY FY96	30 MAY 95*					
TDW2040	PREPARE ITP FY96 UPDATE	01 OCT 194	03 DEC 94				
TDW2060	REVIEW ITP FY96 UPDATE	06 DEC 94	31 DEC 94				
TDW2080	REVIEW/CONCURE FY96 WORK PLAN	25 JUL 95	23 AUG 95				
TDW2090	HLW PO APPROVE TD (PNL) WORK PLAN		30 SEP 95				
TDW3010	PREPARE TD NEEDS (PNL) FOR FY97	19 JUN 96	15 AUG 96				
TDW3020	REVIEW TD NEEDS (PNL) FOR FY97	16 AUG 96	14 SEP 96				
TDW3025	ISSUE TD NEEDS (PNL) FOR FY97		14 SEP 96				
TDW3040	PREPARE ITP FY97 UPDATE	06 OCT 195	07 DEC 95				
TDW3060	REVIEW ITP FY97 UPDATE	08 DEC 95	21 DEC 95				
TDW3080	PREVIEW/CONCURE FY97 WORK PLAN	18 JUL 96	14 AUG 95				
TDW3090	HLW PO APPROVE TD (PNL) WORK PLAN FY97		31 AUG 96				
TDW4010	PREPARE TD NEEDS (PNL) FOR FY98	13 FEB 97	12 APR 97				
TDW4020	REVIEW TD NEEDS (PNL) FOR FY98	15 APR 97	11 MAY 97				
TDW4025	ISSUE TD NEEDS (PNL) FOR FY98		10 MAY 97				
TDW4040	PREPARE ITP FY98 UPDATE	17 SEP 95	16 NOV 96				
TDW4060	REVIEW ITP FY98 UPDATE	19 OCT 96	30 NOV 96				
TDW4080	PREVIEW/CONCURE FY98 WORK PLAN	20 JUN 97	17 JUL 97				
TDW4090	HLW PO APPROVE TD (PNL) WORK PLAN FY98		02 AUG 97				
1.1.3.03.02.05 Feed/Process Evaluation							
MS91000	REVIEW/APPROVE MELTER EVALUATION	28 JAN 95	10 MAR 95				

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Activity ID	Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O	N D J F M A M J J A S O N D J F M A M J J A S O	A M J J A S O N D J F M A M J J A S O	S O N D J F M A M J J A S O
VITW5040	UPDATE VIT SYSTEM DEVELOP TEST	24AUG95	24NOV95				
1.1.3.03.02.06 Plant/Process Engineering Design Support							
FPW1000	HLW GLASS FORMULATION STRATEGY	01OCT94	18DEC96				
FPW1040	DEV BASIS FOR PROD QUAL & ADD.	19DEC96	25SEP97				
FPW1050	UPDATE BASIS FOR PROD QUAL/ADD	26SEP97	03JUL98				
FPW3040	EVALUATE & COMPILE PROCESS/CHEMISTRY	01OCT94	27MAR96				
FPW3060	UPDATE PROCESS DATA COMPILATION	28MAR96	17JUN97				
FPW3080	UPDATE PROCESS DATA COMPILATION	18JUN97	06JUN98				
FPW3090	FEED PROCESSING, CRITICALITY CONTROL	17MAR95	06DEC96				
1.1.3.03.03 HLW Facility Operations							
HLO3019	Perf HLW Operations Preparation	18JUN97	16FEB09				
HLO3019A	Perf HLW Ops Project Support	30NOV90	29NOV99				
1.1.3.03.03.01 Ops HLW Project Definition Support							
PDW1000	UPDATE OPS AND MAINTENANCE CONCEPT	01OCT96	29NOV96				
PDW1010	UPDATE OPS PROJECT SUPPORT PLAN	30NOV96	01MAR97				
PDW1020	ASSIST KD #1 DOCUMENTATION PREP	04MAR97	05SEP97				
PDW1030	DEVELOP INITIAL OPERATIONS PREPARATION	04MAR97	17JUN97				
PDW1040	PROJECT F&OR DEFINITION SUPPORT	01OCT96*	01MAR97				
PDW1050	CONCEPTUAL DESIGN INPUT/REVIEW SUPPORT	04MAR97	05SEP97				
1.1.3.03.03.02 HLW Operation Preparation							
1.1.3.03.03.03 HLW Radioactive Operations							
1.1.3.03.03.04 Prepare HLW Facility for D and D							
1.1.3.03.04 System Definition							
HL04014	Perf HLW Initial Feed Specs/Processability Asmt	01OCT93	30SEP94				
HL04015	Design HLW Feed Specs/Processability Assessment	12SEP97*	20AUG02				
XHLPSS701	HLW FEED SPEC DATA	04OCT95	04OCT95		*		
XHLPSS701	HLW FEED SPEC DATA	24SEP96	24SEP96			*	
XHLPSS701	HLW FEED SPEC DATA	13SEP97	13SEP97				*
XHLPSS701	HLW DECISION ON CS/SF CAPSULES	30NOV96	30NOV96			*	
1.1.3.03.04.01 Define Initial Design Feed Specs							
SDW1000	ESTIMATE POTENTIAL FEED COMPOSITION	01OCT94	03OCT95				
SDW1100	ESTIMATE POTENTIAL FEED COMPOSITION	04OCT95	21SEP96				
SDW1200	ESTIMATE POTENTIAL FEED COMPOSITION	24SEP96	12SEP97				
SDW2000	COMPLETE INITIAL FEED PROCESSABILITY STUDY	01OCT94	29DEC94				
SDW2005	ISSUE FEED PROCESSABILITY ASSESSMENT		29DEC94				
SDW2100	SECOND PHASE PRETREATMENT HLW	30DEC94	29DEC95				
SDW2200	THIRD PHASE PRETREATMENT HLW INTER FACE	30DEC95	19DEC96				

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
1.1.3.03.04.02 Define Initial Design Products							
SDW5050	REVIEW/APPROVE TRU WASTE CLASSIFICATION	20DEC94	24MAR95				
SDW5075	ISSUE FINAL TRU WASTE CLASSIFICATION		24MAR95				
SDW3000	DEFINE TRADE STUDIES	01OCT94	29DEC94				
SDW3020	DEFINE TRADE STUDIES (RW SUPPORT)	01OCT94	27JAN95				
SDW3030	TRADE STUDY ACTION PLAN	28JAN95	29JUN95				
SDW3040	HLW PRODUCT DESCRIPTION FOR TRADE	28JAN95	29JUN95				
SDW3060	WASTE FORM PRODUCT CONFIGURATION	30JUN95	30DEC95				
SDW3070	ALTERNATIVE GLASS TYPES DP4222A	30JUN95	30DEC95				
SDW3090	ISSUE DRAFT TRADE STUDIES REPORT	02JAN96	29MAR96				
SDW3100	RW REVIEW OF TRADE STUDIES REPORT	30MAR96	26JUN96				
SDW3110	TWRS DECISION ANALYSES AND REPORT	27JUN96	25SEP96				
SDW3120	TWRS INTEGRATION OF DECISION ANALYSIS	25SEP96	24DEC96				
SDW4025	RW DISPOSAL ACCEPTABILITY DECISIONS: CS/SF	01OCT94	08APR95				
SDW4035	RW DISPOSAL DECISION: CS & SF WASTE FORMS	01OCT94	15AUG95				
SDW4050	DESIGN STRATEGY OPTIONS & CONCEPTS FOR	01OCT94	15AUG95				
SDW4100	KEY DECISION ON NEED/REF FOR	15AUG95	15AUG95				
SDW4150	RW REPOSITORY DISPOSAL COST ESTIMATES	16AUG95	21DEC95				
SDW4156	TWRS/DOE-EM DEC ANALYSIS/REF DISP. OPTION	22DEC95	09JUL96				
SDW4300	STRATEGY AND PLAN FOR RESOLVING REF CS/SF	15FEB95*	19APR95				
SDW4305	ISSUE ACTION PLAN FOR CS/SF CAPSULE	19APR95	19APR95				
SDW4400	REV BASELINE PER CS/SF CAPS TSK RESULTS	10JUL96	29NOV96				
SDW5000	IDENTIFY TRU WASTE TANKS (DP422A)	01OCT94	17DEC94				
SDW5025	ISSUE DRAFT TRU WASTE CLASSIFICATION	17DEC94	17DEC94				
SDW5075	TRU PRODUCT CONCEPTS	25MAR95	02AUG95				
SDW5100	COST BEN. ANAL FOR TRU WASTE DISPOSAL OPT	10JAN96	03JUL96				
SDW5150	OBTAIN DOE REVIEW/CONCURRENCE WHC	04JUL96	05OCT96				
SDW5300	DEVELOP SEGREGATED TRU TW PROCESSING STR	08OCT96	22FEB97				
1.1.3.03.04.03 Define Initial Process System Requirements and C							
SDW9975	RL/HQ REVIEW/CONCUR OF PROCESS CONTROL	01MAR95	01APR95				
SDW9976	ISSUE PROCESS CONTROL RECOMMENDATION		01APR95				
SDW9990	ALTERNATIVE HLW CONCEPTS -	29NOV94	24DEC94				
SDW9995	ALTERNATIVE HLW CONCEPTS -	29NOV94	28DEC94				
SDW6100	PROVIDE TECHNOLOGY DEV. TEST COMPOSITION	01OCT94	30MAR95				
SDW6150	IDENTIFY TECH DEV TO CLOSE FLOWSHEET	01OCT94	02FEB95				
SDW6200	PREPARE TWRS PROCESS FLOWSHEET REV 1	06APR95	17OCT95				
SDW6205	PREPARE TWRS PROCESS FLOWSHEET	20APR96	20JUL96				

Activity ID	Activity Description	Early Start	Early Finish
SDW6250	UPDATE TECH DATA REQ'S, RESOLVE	23JUL96	15JAN97
SDW6300	UPDATE TECH DEV TEST COMPOSITION BASIS	23JUL96	24SEP96
SDW6350	REVISE FLOWSHEET DOCUMENT		17OCT95
SDW6400	EVALUATE IDENTIFIED PROCESS ALTERNATIVES	01OCT94	12JUL95
SDW6470	EVALUATE IDENTIFIED PROCESS ALTERNATIVES	13JUL95	06JUL96
SDW6480	EVALUATE IDENTIFIED PROCESS ALTERNATIVES	09JUL96	27JUN97
SDW6500	PREPARE TWR'S PROCESS FLOWSHEET REV 2	18OCT95	15AFR96
SDW6503	PREPARE TWR'S PROCESS FLOWSHEET	23JUL96	19OCT96
SDW6550	IDENTIFY TECH DEV ISSUES LEFT DURING CONC	20APR95	20AUG96
SDW6700	1995 INTEGRATED DATA BASE UPDATE	02MAY95	04AUG95
SDW6701	1996 INTEGRATED DATA BASE UPDATE	01MAY96	31JUL96
SDW6702	1997 INTEGRATED DATA BASE UPDATE	01MAY97	31JUL97
SDW7100	HLW SPECIFIC FACILITY CONFIGURATION TRADE	01OCT94	03JAN95
SDW7250	PERFORM DECISION ANALYSIS PROCESS	04JAN95	05APR95
SDW7300	DECISION DOCUMENT		05APR95
SDW7400	DEVELOP EIS SUPPORT DATA PACKAGE	01OCT94	30MAR95
SDW7450	DET: ACCEPT ALT CONTAINERS FOR HLW REPOS.	01OCT94	09MAR95
SDW7457	SOLID WASTE HANDLING ALT IN HLW FAC TRADE	24SEP96	27MAR97
SDW7460	DET: HLW/ITRU CONTAINER STRG FAC CONCEPT	25OCT96	25FEB97
SDW7465	LLW TREATMENT ALTERNATIVES ENGINEER	20SEP96	14MAR97
SDW7470	OFFGAS TREATMENT EVALUATION TRADE STUDY	01OCT94	12JUL95
SDW7473	A/E TRADE STUDY CLOSE	01OCT94	03JAN95
SDW7475	MELTER ENVELOPE EVALUATION (ENG TRADE	25SEP96	23JAN97
SDW7480	MELTER DESIGN (ENG. TRADE STUDY)	01OCT94	27JUN95
SDW7483	DRY vs SLURRY ADD OF MELTER FEED	24SEP96	22JAN97
SDW7541	ISSUE ALTERNATE CONTAINER EVALUATION		09MAR95
SDW7550	IDENTIFY TECH DEV TO RESOLVE EQ DES	21SEP95	17NOV95
SDW7700	DOCUMENT TRADE STUDIES DECISIONS	13JUL95	20SEP95
SDW7750	UPDATE FACILITY CONCEPTS DP4222C	20APR96	01OCT96
SDW7800	IDENTIFY TECH DEV LEFT FOR CONCEPTUAL	02OCT96	30NOV96
SDW7825	REVISE FACILITY CONCEPT DOCUMENT	10OCT96	
SDW8000	PREPARE PRELIM FUNCTIONS & REQUIREMENTS	1JUL95	11JAN96
SDW8005	RADIOACTIVE BENCH TEST REQUIREMENTS AND	01OCT94	15AUG95
SDW8008	PERMITTING REQUIREMENTS	01OCT94	19SEP96
SDW8009	HASARDOUS WASTE SOURCE TERM	16AUG95	10FEB96
SDW8025	TECH SUPPORT SYSTEMS ENGINEERING REQ	04OCT95	21SEP96

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Activity ID	Activity Description	Early Start	Early Finish	FY94												FY95												FY96												FY97											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O								
SDW8030	HAZARDS ANALYSIS/CATEGORIZ/SAFETY CLASS	TOCT94	03OCT95																																																
SDW8035	TRADE STUDIES SUPPORTING FINAL F&R	20APR96	24OCT96																																																
SDW8040	FOLLOW-ON SAFETY ANALYSES AND SUPPORT	04OCT95	10APR97																																																
SDW8050	PRELIM F & R DOCUMENT		11JAN96																																																
SDW8100	REVISE F&R DOCUMENT #2	10OCT96	09JAN97																																																
SDW8110	REVISE F & R DOCUMENT #1	12JAN96	13APR96																																																
SDW8200	PREPARE INITIAL PROJECT DESIGN CRITERIA	07DEC96	11MAR97																																																
SDW9000	TECHNOLOGY TRANSFER/SK&S RESIDENT	01OCT94	03OCT95																																																
SDW9010	TECHNOLOGY DESIGN INPUT STRATEGY AND	01OCT94	19SEP96																																																
SDW9020	TECH TRANSFER-PREPARE TECH DESIGN INPUT	01OCT96*	19SEP97																																																
SDW9030	TECH TRANSFER - INTERSITE TECHNOLOGY	01OCT94	21OCT97																																																
SDW9050	SYSTEM DEFINITION SUPPORT FY95	01OCT94	03OCT95																																																
SDW9060	SYSTEM DEFINITION SUPPORT FY96	04OCT95	21SEP96																																																
SDW9070	SYSTEM DEFINITION SUPPORT FY97	24SEP96	12SEP97																																																
SDW9970	PROCESS CONTROL	08OCT94	28FEB95																																																
SDW9971	ISSUE PROCESS CONTROL RECOMMENDATION		28FEB95																																																
SDW9980	HLW VITRIFICATION PLANT SUPPORT FACILITIES	01OCT94	27JUN95																																																
SDW9990	ALTERNATIVE HLW CONCEPTS - EVALUATION	01OCT94	26NOV94																																																
SDW9991	M-51-01 REPORT ON ALTERNATIVE CONCEPTS		24DEC94																																																
SDW9993	ISSUE ALTERNATIVE HLW CONCEPTS EVAL		26NOV94																																																
1.1.3.03.05 HLW Facility																																																			
XABHLS000	PM to HL: ROD to HLW Project Permitting	01OCT96*	30SEP96																																																
XPSHLP701	DRAFT DECISION OF SLUDGE WASHING	25SEP97																																																	
XR0HLS0053	WR to HL: Init SST WR Doc to HLW Conceptual Dsn	01OCT96*	30SEP96																																																
1.1.3.03.05.01 HLW Project Management																																																			
BMW1000	PREPARE CD STATEMENT OF WORK FOR A-E	15JUN96	18SEP96																																																
BMW1010	UPDATE PROJECT BASELINE	19SEP96	22MAR97																																																
BMW1020	UPDATE PROJECT ACQUISITION STRATEGY	16APR96	16JUL96																																																
BMW1030	PREP ADPE ACQUISITION STRATEGY	17JUL96	18JAN97																																																
BMW1040	COMPLETE CD CONTRACTING ACTION	19SEP96	26FEB97																																																
BMW1050	INSTALL BASELINE CHANGE CONTROL SYSTEM	25MAR97	24JUN97																																																
BMW1070	PREPARE CONFIGURATION MANAGEMENT PLAN	25JUN97	28OCT97																																																
BMW1075	DRAFT CONCEPTUAL DESIGN SOW	1F MAR96	14JUN96																																																
BMW1080	UPDATE PROJECT BASELINE	25JUN97	28OCT97																																																
BMW2000	PROJECT SUPPORT FOR KD-0 APPROVAL	21NOV95	23MAY96																																																
BMW2010	SITE ASSESSMENT & CULTURAL RESOURCES	16APR96	15AUG96																																																
BMW2020	COMPLETE PROJECT MANAGEMENT PLAN	21JAN97	23MAY97																																																

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Activity ID	Activity Description	Early Start	Early Finish	FY94	FY95	FY96	FY97
				J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O	J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O	J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O	J A S O N D J J F M A M J J A S O N D J J F M A M J J A S O
CDW1010	PREPARE DATA/TECH DEVELOPMENT NEEDS	25SEP97	25DEC97				
CDW1020	60% CONCEPTUAL DESIGN	25SEP97	28MAR98				
CDW1030	UPDATE SEMP	27MAR97	26JUL97				
CDW1040	UPDATE F&OR	29JUL97	29NOV97				
CDW1050	INCORPORATE PRETREATMENT CDR & SLODGE		24SEP97				
CDW1070	PUBLISH SAFETY ANALYSIS/PERMITTING DATA	25SEP97	25DEC97				
CDW1200	START CONCEPTUAL DESIGN	27MAR97					
1.1.3.03.05.05 Design							
1.1.3.03.05.06 Construction/Procurement							
1.1.3.03.05.07 Startup							
1.1.3.03.06 HWVP Project Closeout							

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APPENDIX D

MILESTONE DESCRIPTION SHEETS

WESTINGHOUSE LANSFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.1.1									
T1A-95-100	KEY				1.1.1.1.1.2	ISSUE TWRS DATA MANAGEMENT PLANT TO DOE-RL (SUPPORTS M-35-03)	3/31/95		
T1A-95-101	KEY				1.1.1.1.1.2	ISSUE ANNUAL LAND DEVELOPMENT REPORT	3/31/95		
T1A-95-102	KEY				1.1.1.1.1.2	MONTHLY TWRS PERMIT STATUS REPORT	9/29/95		
T1A-95-103	MAJOR-RL				1.1.1.1.1.1	ISSUE ANNUAL UPDATE OF THE MULTI-YEAR WORK PLAN (MYWP) TO DOE-RL	8/31/95		
T1A-95-104	MAJOR-RL				1.1.1.1.1.2	TRANSMIT TQMP IMPLEMENTATION PLAN TO DOE-RL	5/23/95		
T1A-95-105	KEY				1.1.1.1.1.2	INFORMATION SYSTEMS DEFINITION (ISD)	11/30/94		
T1A-95-106	KEY				1.1.1.1.1.2	INFORMATION MANAGEMENT CENTER DEVELOPMENT	9/29/95		
T1A-95-109	MAJOR-HQ				1.1.1.1.1.2	DEVELOP POSITION QUALIFICATION STANDARD FOR MANAGER AND TECHNICAL SUPPORT PERSONNEL	1/27/95		
T1A-95-111	KEY				1.1.1.1.1.2	ISSUE INTEGRATED TECHNOLOGY PLAN (ITP)	3/31/95		
T1A-95-112	KEY				1.1.1.1.1.2	ISSUE FY1996 TECHNOLOGY DEVELOPMENT WORK PLAN TO WHC	8/31/95		
T1A-95-113	MAJOR-RL				1.1.1.1.1.2	TRANSMIT TQMP IMPLEMENTATION PLAN TO DOE-RL	5/23/95		
T1A-95-114	KEY				1.1.1.1.1.2	TRANSMIT TWRS MANAGEMENT SYSTEM DESCRIPTION (MSD) COMMENTS TO DOE-RL TWRS	2/28/95		
T1A-95-116	MAJOR-HQ				1.1.1.1.1.2	COMPLETE INDIVIDUAL QUALIFICATION TRAINING PLANS (QTP'S) FOR MANAGER AND TECHNICAL PERSONNEL	2/28/95		
T1A-95-117	MAJOR-RL				1.1.1.1.1.2	TRANSMIT MIP IMPLEMENTATION PLAN TO DOE-RL	3/27/95		
T1A-95-120	MAJOR-RL				1.1.1.1.1.2	REVISE DOE-RL TWRS TQM PLAN	12/29/94		
T1A-95-121	MAJOR-HQ				1.1.1.1.1.2	ISSUE WHC TWRS STAFFING ANALYSIS	1/27/95		
T1A-95-122	KEY				1.1.1.1.1.1	ISSUE TECHNICAL REQUIREMENTS SPECIFICATIONS FOR DOE APPROVAL	3/31/95		
T1A-95-123	MAJOR-RL		3.7G		1.1.1.1.1.1	REVISED TWRS SYSTEM ENGINEERING MANAGEMENT PLAN (DNFSB 3.7G)	9/29/95		
T1A-95-124	MAJOR-RL		3.7F		1.1.1.1.1.1	REVISED IMPL PROCEDURES (DNFSB 3.7F)	9/29/95		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T1A-95-125	MAJOR-RL				1.1.1.1.1.2	FINAL TWRS MASTER SITE PLAN COMPLETED	4/30/95		
T1A-95-126	KEY				1.1.1.1.1.2	UPDATE OF TWRS MASTER SITE PLAN COMPLETED	9/29/95		
T1A-95-127	KEY				1.1.1.1.1.1	ISSUE DRAFT RISK ASSESSMENT REPORT	6/30/95		
T1A-95-129	KEY				1.1.1.1.1.1	COMPLETED TOPO LEVEL ANIMATION OF BSD	12/1/94		
T1A-95-133	KEY				1.1.1.1.1.1	W-211 INITIAL RETRIEVAL DESIGN REQUIREMENTS DOCUMENT	8/31/95		
T1A-95-134	KEY				1.1.1.1.1.1	W-236 MULTI-FUNCTION WASTE TANK FACILITY DESIGN REQUIREMENTS DOCUMENT	6/30/95		
T1A-95-135	KEY				1.1.1.1.1.1	W-058 CROSS-SITE TRANSFER LINE DESIGN REQUIREMENTS DOCUMENT	8/2/95		
T1A-95-136	MAJOR-HQ				1.1.1.1.1.2	CONDUCT QUALIFICATION ASSESSMENT	3/17/95		
T1A-95-137	MAJOR-RL				1.1.1.1.1.2	ISSUE INTEGRATED DOCUMENT REPORT FOR TWRS-EIS	5/31/95		
T1A-95-138	MAJOR-RL				1.1.1.1.1.2	PRETREATMENT/LLWVP SITING COMPLETE	12/31/94		
T1A-96-100	MAJOR-RL				1.1.1.1.1.1	ISSUE ANNUAL UPDATE OF THE MYWP TO DOE-RL	8/29/96		
T1A-96-101	MAJOR-RL				1.1.1.1.1.1	ISSUE ANNUAL UPDATE OF THE FIVE YEAR PLAN - ADS'S	5/31/96		
T1A-96-102	KEY				1.1.1.1.1.2	SUPPORT ISSUANCE OF THE TWRS-EIS RECORD OF DECISION	9/30/96		
T1A-96-103	MAJOR-RL				1.1.1.1.1.2	ISSUE INTEGRATED TECHNOLOGY PLAN (ITP)	4/1/96		
T1A-96-104	KEY				1.1.1.1.1.2	ISSUE FY97 TECHNOLOGY DEVELOPMENT WORK PLAN TO WHC	9/3/96		
T1A-96-105	MAJOR-RL				1.1.1.1.1.2	REVISE DOE-RL TWRS TQM PLAN	12/28/95		
T1A-96-106	MAJOR-RL				1.1.1.1.1.2	DEVELOP PLAN FOR MAPPING TWRS WASTE TRANSFER LINES	9/30/96		
T1A-96-107	KEY				1.1.1.1.1.2	COMPLETE FY96 UPDATE OF MASTER SITE PLAN	9/30/96		
T1A-96-108	KEY				1.1.1.1.1.2	ISSUE PHASE I IDMMS	10/31/95		
T1A-97-100	MAJOR-RL				1.1.1.1.1.1	ISSUE ANNUAL UPDATE OF THE MYWP TO DOE-RL	8/29/97		

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WESTINGHOUSE LANSFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T1A-97-101	MAJOR-RL				1.1.1.1.1.1	ISSUE ANNUAL UPDATE OF THE FIVE YEAR PLAN - ADS'S	5/30/97		
T1A-97-102	MAJOR-RL				1.1.1.1.1.2	ISSUE INTEGRATED TECHNOLOGY PLAN (ITP)	3/31/97		
T1A-97-103	KEY				1.1.1.1.1.2	ISSUE FY98 TECHNOLOGY DEVELOPMENT WORK PLAN TO WHC	9/2/97		
T1A-97-104	MAJOR-RL				1.1.1.1.1.2	REVISE DOE-RL TWRS TQM PLAN	12/27/96		
T1A-97-108	MAJOR-RL				1.1.1.1.1.2	COMPLETE FY96 UPDATE OF MASTER SITE PLAN	9/30/97		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.2.1									
T2A-95-100	TPA-I	M-41-02			1.1.1.2.1.5	EMERGENCY LEAK RESPONSE: PREPARE AN IMPROVED SST EMERGENCY PUMPING CAPABILITY (M-41-02)	3/31/95		
T2A-95-101	TPA-T	M-41-01-T02			1.1.1.2.1.5	COMPLETE INTERIM STABILIZATION OF 5 SINGLE-SHELL TANKS (M-41-01-T02)	11/30/94		
T2A-95-102	TPA-T	M-41-02-T03			1.1.1.2.1.5	ISSUE AND SUBMIT TO ECOLOGY & EPA THE DETAILED PROCEDURES FOR EMERGENCY PUMPING FOR EACH NON-INTERIM STABILIZATION (M-41-02-T03)	3/31/95		
T2A-95-104	TPA-I	M-41-07			1.1.1.2.1.5	COMPLETE SAFETY STUDIES & ANALYSIS ON INTERIM STABILIZATION OF REMAINING WATCH LIST TANKS & PROVIDE THE REPORTS TO ECOLOGY & EPA (M-41-07)	12/31/94		
T2A-95-105	TPA-I	M-41-08			1.1.1.2.1.5	START INTERIM STABILIZATION OF 1 NON-WATCH LIST TANK IN 241-U TANK FARM (M-41-08)	7/31/95		
T2A-95-106	TPA-I	M-41-13			1.1.1.2.1.5	START INTERIM STABILIZATION OF 3 ORGANIC WATCH LIST TANKS IN 241-U TANK FARM (M-41-13)	7/31/95		
T2A-95-107	TPA-M	M-46-00B			1.1.1.2.1.3	DOUBLE-SHELL TANK SPACE EVALUATION (M-41-00B)	9/29/95		
T2A-95-111	KEY				1.1.1.2.1.2	DST INTEGRITY ASSESSMENTS - ENGINEERING TASK PLAN	5/31/95		
T2A-95-112	MAJOR-RL				1.1.1.2.1.2	DST INTEGRITY ASSESSMENTS - UT EQUIPMENT PERFORMANCE TEST	4/28/95		
T2A-95-113	MAJOR-RL				1.1.1.2.1.2	DST INTEGRITY ASSESSMENTS - DST UT INSPECTION	9/29/95		
T2A-95-114	KEY				1.1.1.2.1.2	PHASE 3 STRATEGY FOR IOSR	3/30/95		
T2A-95-115	KEY				1.1.1.2.1.2	UPDATE IOSR STRATEGY DOCUMENT & ISSUANCE OF ENVIRONMENTAL SAFETY CLASS	9/29/95		
T2A-95-116	MAJOR-RL				1.1.1.2.1.2	HEALTH & SAFETY BASELINE HAZARD ASSESSMENT	9/30/95		
T2A-95-117	MAJOR-RL				1.1.1.2.1.2	TANK FARM FIRE PROTECTION ASSESSMENTS	9/29/95		
T2A-95-118	KEY				1.1.1.2.1.2	S/RIDS RADIATION PROTECTION SELF-ASSESSMENT	9/29/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-119	KEY				1.1.1.2.1.2	TWRS RADIOLOGICAL CONTROL EMERGENCY DRILLS	9/29/95		
T2A-95-120	KEY				1.1.1.2.1.3	MAINTAIN WORK PACKAGE CLOSEOUT CYCLE TIME	9/29/95		
T2A-95-121	KEY				1.1.1.2.1.3	MAINTAIN OPERATIONS ESSENTIAL EQUIPMENT UP TIME > 90%	9/29/95		
T2A-95-122	KEY				1.1.1.2.1.3	ACHIEVE CORRECTIVE MAINTENANCE BACKLOG REDUCTION	9/29/95		
T2A-95-123	MAJOR-RL				1.1.1.2.1.3	DEVELOP MAINTENANCE IMPLEMENTATION PLAN	3/31/95		
T2A-95-124	MAJOR-RL				1.1.1.2.1.5	COMPLETE PARTIAL INTERIM STABILIZATION PREPARATIONS FOR 7 NON WATCH LIST TANKS IN 241-S TANK FARM	9/30/95		
T2A-95-125	KEY				1.1.1.2.1.3	MAINTAIN PREVENTATIVE MAINTENANCE DELINQUENCIES LESS THAN 8%	9/29/95		
T2A-95-126	KEY				1.1.1.2.1.3	MAINTAIN WORK PACKAGE SUSPENSIONS	9/29/95		
T2A-95-127	KEY				1.1.1.2.1.3	COMPLETE 45 INTERNAL (DCRTS, CATCH TANK, TANK-TO-TANK) WASTE TRANSFERS IN 200 EAST AREA	9/29/95		
T2A-95-128	MAJOR-RL				1.1.1.2.1.3	RESTORE CROSS-SITE TRANSFER CAPABILITY IN 200 EAST AREA	3/31/95		
T2A-95-129	KEY				1.1.1.2.1.3	COMPLETE 13 EXTERNAL (222-S, 300 AREA, T-PLANT, ETC.) HLW/LLW WASTE SHIPMENTS IN 200 EAST AREA	9/29/95		
T2A-95-130	MAJOR-RL				1.1.1.2.1.5	COMPLETE PARTIAL INTERIM STABILIZATION PREPARATIONS FOR 2 FLAMMABLE GAS WATCH LIST TANKS IN 241-A/AX TANK FARMS	9/30/95		
T2A-95-131	KEY				1.1.1.2.1.3	PERFORM 200 EAST AREA TANK FARM OPERATING PARAMETERS	9/29/95		
T2A-95-132	KEY				1.1.1.2.1.3	PERFORM TANK EVAPORATION ANALYSIS IN 200 EAST AREA	9/29/95		
T2A-95-133	KEY				1.1.1.2.1.3	COMPLETE 200 EAST AREA SURVEILLANCE OPERATIONS (LOWS/DRYWELLS)	9/29/95		
T2A-95-134	MAJOR-RL				1.1.1.2.1.3	COMPLETE 200 EAST AREA 9 IN-TANK PHOTOGRAPHY/20 PIT INSPECTIONS	9/29/95		
T2A-95-135	KEY				1.1.1.2.1.3	COMPLETE HEALTH PHYSICS ISSUANCE OF MONTHLY RADIOLOGICAL STATUS REPORT FOR 200 EAST AREA	9/29/95		

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WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-136	KEY				1.1.1.2.1.3	COMPLETE 200 EAST ROUTINE SURVEILLANCE COMPLETE	9/29/95		
T2A-95-137	MAJOR-RL				1.1.1.2.1.5	COMPLETE PARTIAL INTERIM STABILIZATION PREPARATIONS FOR 4 FLAMMABLE GAS WATCH LIST TANKS IN 241-U TANK FARM	9/30/95		
T2A-95-138	MAJOR-RL				1.1.1.2.1.4	RESTORE CROSS-SITE TRANSFER CAPABILITY IN 200 WEST AREA	3/31/95		
T2A-95-141	KEY				1.1.1.2.1.4	PERFORM 200 WEST AREA OPERATING PARAMETERS	9/29/95		
T2A-95-143	KEY				1.1.1.2.1.4	COMPLETE 200 WEST AREA SURVEILLANCE OPERATIONS (LOW'S/DRYWELLS)	9/29/95		
T2A-95-144	MAJOR-RL				1.1.1.2.1.4	COMPLETE HEALTH PHYSICS ISSUANCE OF MONTHLY RADIOLOGICAL STATUS REPORT FOR 200 WEST AREA	9/29/95		
T2A-95-145	KEY				1.1.1.2.1.4	COMPLETE 200 WEST ROUTINE SURVEILLANCE COMPLETE	9/29/95		
T2A-95-146	KEY				1.1.1.2.1.4	ISSUE ENGINEERING STUDY FOR STEAM ELIMINATION	5/30/95		
T2A-95-147	KEY				1.1.1.2.1.4	ISSUE DESIGNS FOR STEAM ELIMINATION	8/30/95		
T2A-95-148	KEY				1.1.1.2.1.4	ISSUE ENGINEERING STUDY FOR COMPRESSED AIR ELIMINATION	6/30/95		
T2A-95-149	KEY				1.1.1.2.1.4	ISSUE DESIGNS FOR COMPRESSED AIR ELIMINATION	9/27/95		
T2A-95-150	KEY				1.1.1.2.1.4	FIVE OVERDUE NCRS DISPOSITIONED	12/29/94		
T2A-95-151	KEY				1.1.1.2.1.4	TWO OVERDUE NCRS DISPOSITIONED	3/27/95		
T2A-95-152	KEY				1.1.1.2.1.4	TWO OVERDUE NCRS DISPOSITIONED	6/20/95		
T2A-95-153	KEY				1.1.1.2.1.4	REQUIRED TRAINING COMPLETE	9/29/95		
T2A-95-154	KEY				1.1.1.2.1.4	ISSUE WSE RESPONSIBILITY BOUNDING DOCUMENT	12/27/94		
T2A-95-157	KEY				1.1.1.2.1.4	TWO OVERDUE NCRS DISPOSITIONED	9/15/95		
T2A-95-158	KEY				1.1.1.2.1.4	ISSUE TANK FARM SUSPECT PARTS COMPLIANCE PLAN	3/31/95		
T2A-95-159	MAJOR-RL				1.1.1.2.1.6	COMPLETE CAMPAIGN 94-2 FOR 242-A EVAPORATOR	12/29/94		
T2A-95-160	MAJOR-RL				1.1.1.2.1.6	COMPLETE OUTAGE AND CAMPAIGN 95-1 FOR 242-A EVAPORATOR	9/29/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-161	KEY				1.1.1.2.1.6	242-A OPERATOR CERTIFICATION TRAINING	9/29/95		
T2A-95-162	KEY				1.1.1.2.1.6	RESOLVE FOUR REMAINING POST-START ENGINEERING ISSUES	9/29/95		
T2A-95-164	MAJOR-RL				1.1.1.2.1.5	COMPLETE INTRUSION PREVENTION IN 2 SSTs	9/29/95		
T2A-95-170	MAJOR-RL				1.1.1.2.1.6	COMPLETE CAMPAIGN 94-2 SUPPORT	12/29/94		
T2A-95-171	KEY				1.1.1.2.1.6	ISSUE CAMPAIGN 94-2 POST RUN DOCUMENT	7/31/95		
T2A-95-172	MAJOR-RL				1.1.1.2.1.6	COMPLETE PRE-CAMPAIGN 95-1 OUTAGE	6/30/95		
T2A-95-173	KEY				1.1.1.2.1.6	ISSUE CAMPAIGN 95-1 PROCESS CONTROL PLAN	6/30/95		
T2A-95-174	MAJOR-RL				1.1.1.2.1.6	COMPLETE CAMPAIGN 95-1 SUPPORT	9/29/95		
T2A-95-177	KEY				1.1.1.2.1.6	TECHNICAL INPUT TO VENT & BALANCE PROCEDURE DEVELOPMENT	9/29/95		
T2A-95-178	KEY				1.1.1.2.1.6	EQUIPMENT STATUS TRACKING SYSTEM VALIDATION C	1/3/95		
T2A-95-179	MAJOR-RL				1.1.1.2.1.6	COMPLETE REVIEW OF NON-OSR/OSD CBRS (AW/AP)	2/28/95		
T2A-95-180	MAJOR-RL				1.1.1.2.1.6	242-A FSAR UPGRADE AVAILABLE TO DOE	12/22/94		
T2A-95-181	KEY				1.1.1.2.1.4	COMPLETE 5 EXTERNAL (PFP) HLW/LLW WASTE SHIPMENTS IN 200 WEST AREA	9/29/95		
T2A-95-182	KEY				1.1.1.2.1.4	COMPLETE 200 WEST AREA 5 IN-TANK PHOTOGRAPHY/5 PIT INSPECTIONS	9/29/95		
T2A-95-183	KEY				1.1.1.2.1.4	COMPLETE REMOVAL OF EQUIPMENT IN 200 WEST AREA	9/29/95		
T2A-95-184	MAJOR-RL				1.1.1.2.1.4	COMPLETE 200 WEST AREA INDUSTRIAL HYGIENE AND SAFETY REVIEW/APPROVAL OF 120 WCDS AND 400 PDS AND ISSUE QUARTERLY REPORT	9/29/95		
T2A-95-185	MAJOR-RL				1.1.1.2.1.4	COMPLETE PESTICIDE SPRAYING PER THE FY95 PESTICIDE SPRAY SCHEDULE IN 200 WEST/EAST TANK FARMS	9/29/95		
T2A-95-190	KEY				1.1.1.2.1.5	LIGHT DUTY UTILITY ARM (LDUA) ENVIRONMENTAL REQUIREMENTS	3/31/95		
T2A-95-194	KEY				1.1.1.2.1.3	COMPLETE HERBICIDE SPRAYING PER THE FY95 HERBICIDE SPRAY SCHEDULE IN 200 EAST/WEST TANK FARMS	9/29/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-195	MAJOR-RL				1.1.1.2.1.3	COMPLETE 200 EAST AREA INDUSTRIAL HYGIENE AND SAFETY REVIEW/APPROVAL OF 180 WCDS AND 600 PDS AND ISSUE QUARTERLY REPORT	9/29/95		
T2A-95-196	KEY				1.1.1.2.1.3	PROVIDE MANAGEMENT OF THE 1N1F66 COST ACCOUNT	9/29/95		
T2A-95-197	KEY				1.1.1.2.1.3	CO-LOCATE EAST SYSTEMS ENGINEERS NEAR FACILITY	11/15/94		
T2A-95-198	KEY				1.1.1.2.1.3	CORRECTIVE MAINTENANCE	9/29/95		
T2A-95-199	KEY				1.1.1.2.1.3	THE DISPOSITION OF 50 NCRS	3/31/95		
T2A-95-200	KEY				1.1.1.2.1.3	DEVELOPMENT/REVIEW OF (60) OPERATING DOCUMENTS	9/29/95		
T2A-95-201	KEY				1.1.1.2.1.3	SUPPORT ROUTINE TRANSFERS - 45 INTERNAL TANK FARM TRANSFERS - 13 TRANSFERS FROM GENERATORS	9/29/95		
T2A-95-202	KEY				1.1.1.2.1.3	OSR/OSD REVIEW AND REVISION COMPLETE	1/3/95		
T2A-95-204	KEY				1.1.1.2.1.1	TWRS WASTE TANK MAINTENANCE ELECTRICIAN INITIAL TRAINING PROGRAM IMPLEMENTED	9/29/95		
T2A-95-205	KEY				1.1.1.2.1.1	TWRS WASTE TANK MAINTENANCE INSTRUMENTATION & CONTROL TECHNICIAN INITIAL TRAINING PROGRAM IMPLEMENTED	9/29/95		
T2A-95-208	KEY				1.1.1.2.1.1	TWRS WASTE TANK MAINTENANCE MILLWRIGHT INITIAL TRAINING PROGRAM IMPLEMENTED	9/29/95		
T2A-95-209	MAJOR-RL				1.1.1.2.1.1	NPO INITIAL AND CONTINUING TRAINING PROGRAMS IN COMPLIANCE WITH DOE ORDER 5480.20	9/29/95		
T2A-95-210	MAJOR-HQ			1D	1.1.1.2.1.1	COMPLETE THE RECERTIFICATION OF INCUMBANT TANK FARM OPERATORS (SUPERVISORS) USING NEW TRAINING MATERIALS	12/31/94		
T2A-95-211	KEY				1.1.1.2.1.1	TWRS WASTE TANK MAINTENANCE PIPEFITTER INITIAL TRAINING PROGRAM IMPLEMENTATION	9/29/95		
T2A-95-213	KEY				1.1.1.2.1.5	FY95 SST MONITORING IMPROVEMENTS - 4 NEW LIQUID OBSERVATION WELL (LOW) VANS	9/29/95		

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WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-215	KEY				1.1.1.2.1.2	DEVELOPMENT OF CIPS FOR PHASES 4, 5, AND 6	4/30/95		
T2A-95-216	KEY				1.1.1.2.1.1	SUBMIT THE ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT FIVE YEAR PLAN ACTIVITY DATA SHEET FOR ADS-1100	5/31/95		
T2A-95-217	KEY				1.1.1.2.1.1	RESTRUCTURE/RE-ISSUE WHC-IP-0842 MANUAL	1/27/95		
T2A-95-218	KEY				1.1.1.2.1.1	IMPLEMENTATION OF 51 ADMINISTRATION PROCEDURES	9/29/95		
T2A-95-219	KEY				1.1.1.2.1.1	PROCESS 180 PROCEDURE REVISIONS FOR SITE MANUALS	9/29/95		
T2A-95-220	KEY				1.1.1.2.1.1	ISSUE 242-A EVAPORATOR EMERGENCY RESPONSE MANUAL	3/31/95		
T2A-95-221	KEY				1.1.1.2.1.1	REVIEW AND UPDATE TANK FARM BUILDING EMERGENCY PLAN	8/4/95		
T2A-95-223	KEY				1.1.1.2.1.1	UPDATE TANK FARM RISK ASSESSMENT	9/29/95		
T2A-95-225	KEY				1.1.1.2.1.2	ISSUE 4TH QUARTER CRITICALITY SAFETY INSPECTIONS	7/31/95		
T2A-95-226	KEY				1.1.1.2.1.1	REVISE AND ISSUE TANK FARM SECURITY PLAN	3/31/95		
T2A-95-227	KEY				1.1.1.2.1.2	ISSUE 30-YEAR SOLID WASTE FORECAST FOR TANK FARMS	7/31/95		
T2A-95-228	KEY				1.1.1.2.1.2	ISSUE REVISION OF WHC-IP-0842, SECTION 16.6	7/15/95		
T2A-95-229	KEY				1.1.1.2.1.2	ISSUE REVISION OF WHC-IP-0842, SECTION 16.8	7/15/95		
T2A-95-230	KEY				1.1.1.2.1.2	COMPLETE 241-AN TANK FARM SURFACE DECONTAMINATION: DOWNPOST TO RCA	5/30/95		
T2A-95-231	KEY				1.1.1.2.1.2	COMPLETE 241-AY TANK FARM SURFACE DECONTAMINATION: DOWNPOST TO RCA	6/30/95		
T2A-95-232	KEY				1.1.1.2.1.2	COMPLETE 241-AZ TANK FARM SURFACE DECONTAMINATION: DOWNPOST TO RCA	7/31/95		
T2A-95-233	KEY				1.1.1.2.1.2	COMPLETE 241-T TANK FARM SURFACE DECONTAMINATION: DOWNPOST TO RCA	8/30/95		
T2A-95-234	MAJOR-RL				1.1.1.2.1.2	DECONTAMINATE SURFACES AND DOWNPOST 241-AN, -AY, -AZ, AND -T TANK FARMS TO RCA STATUS	9/29/95		

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WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-235	MAJOR-RL				1.1.1.2.1.2	CLEANUP 10 SURFACE CONTAMINATION AREAS ADJACENT TO TANK FARM AREAS (BX/BY/AX/C/U/S/SX/TC-4/154-B/151-ER)	9/29/95		
T2A-95-236	MAJOR-RL				1.1.1.2.1.2	COMPLETE CROSS-SITE TRANSFER LINE SURFACE AREA CONTAMINATION ZONE REDUCTION AND INTERIM STABILIZATION	4/28/95		
T2A-95-237	MAJOR-RL				1.1.1.2.1.2	REDUCE BURROWING ANIMAL POPULATION BY ELIMINATING OPEN WATER DITCHES	9/29/95		
T2A-95-238	MAJOR-RL				1.1.1.2.1.2	RE-SEED & VEGETATION MANAGE ALL DECONTAMINATED AREAS	9/29/95		
T2A-95-239	MAJOR-RL				1.1.1.2.1.2	SEAL MOST SERIOUS SOURCES OF CONTAMINATION SPREAD IN TANK FARMS	9/29/95		
T2A-95-240	MAJOR-RL				1.1.1.2.1.2	MAINTAIN TANK FARM SURFACE SEAL INTEGRITY WITH TALL OIL EMULSION	9/29/95		
T2A-95-241	KEY				1.1.1.2.1.2	RCRA INSPECTION SCHEDULES AND LOGS	9/29/95		
T2A-95-242	KEY				1.1.1.2.1.2	242-A & DST WASTE ANALYSIS, WASTE ACCEPTANCE, SAMPLING SUPPORT	9/29/95		
T2A-95-243	MAJOR-RL				1.1.1.2.1.2	ENVIRONMENTAL PROCEDURE UPGRADE AND DEVELOPMENT	9/29/95		
T2A-95-244	MAJOR-RL				1.1.1.2.1.2	WASTE MINIMIZATION: POLLUTION PREVENTION OPPORTUNITY ASSESSMENTS	9/29/95		
T2A-95-245	MAJOR-RL				1.1.1.2.1.2	CONDUCT FY95 TWRS PLANT WASTE MINIMIZATION/POLLUTION PREVENTION ACTIVITIES	9/29/95		
T2A-95-246	MAJOR-RL				1.1.1.2.1.2	INVENTORY OF USED, STORED, CONTAMINATED EQUIPMENT WITHIN TANK FARM ANCILLARY UNITS	8/31/95		
T2A-95-247	MAJOR-RL				1.1.1.2.1.2	TWRS PLANT S/RIDS ENVIRONMENTAL SELF-ASSESSMENT	9/29/95		
T2A-95-248	MAJOR-RL				1.1.1.2.1.6	TANK FARM EVAPORATOR/AW & AP TANK FARM OPS. - ROUTINE SURVEILLANCE	9/29/95		
T2A-95-249	MAJOR-RL				1.1.1.2.1.2	ASA COMMENTS & ISSUE RESOLUTION	5/30/95		
T2A-95-250	MAJOR-RL				1.1.1.2.1.2	TWRS SA&E PROGRAM PLAN	9/29/95		
T2A-95-251	KEY				1.1.1.2.1.2	AWF/DST CHAPTER WRITING	8/30/95		
T2A-95-252	MAJOR-RL				1.1.1.2.1.2	ASA FOLLOW-ON TASKS	8/30/95		
T2A-95-253	MAJOR-RL				1.1.1.2.1.2	UPDATE IOSRS RESULTS OF ASA	5/30/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-254	KEY				1.1.1.2.1.2	ISB ANNUAL UPDATE RELEASE VOLUME 2	9/29/95		
T2A-95-255	KEY				1.1.1.2.1.2	ISB/INCORPORATION ASA	9/29/95		
T2A-95-256	KEY				1.1.1.2.1.2	SST GRADED SAR	9/29/95		
T2A-95-262	KEY				1.1.1.2.1.2	ISSUE APPROVED TANK FARM SPECIFIC PROCEDURES	5/31/95		
T2A-95-265	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (FEBRUARY)	2/28/95		
T2A-95-266	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (MARCH)	3/31/95		
T2A-95-267	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (APRIL)	4/28/95		
T2A-95-268	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (MAY)	5/31/95		
T2A-95-269	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (JUNE)	6/30/95		
T2A-95-270	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (JULY)	7/31/95		
T2A-95-271	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (AUGUST)	8/31/95		
T2A-95-272	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (SEPTEMBER)	9/29/95		
T2A-95-273	KEY				1.1.1.2.1.2	VOLUME REDUCE (COMPACT) 4000 CUFT OF WASTE (FIRST QUARTER)	12/31/94		
T2A-95-274	KEY				1.1.1.2.1.2	VOLUME REDUCE (COMPACT) 4000 CUFT OF WASTE (SECOND QUARTER)	3/31/95		
T2A-95-275	KEY				1.1.1.2.1.2	VOLUME REDUCE (COMPACT) 4000 CUFT OF WASTE (THIRD QUARTER)	6/30/95		
T2A-95-276	KEY				1.1.1.2.1.2	VOLUME REDUCE (COMPACT) 4000 CUFT OF WASTE (FOURTH QUARTER)	9/29/95		
T2A-95-277	KEY				1.1.1.2.1.2	PREPARE 9000 CUFT OF WASTE FOR SHIPMENT (FIRST QUARTER)	12/30/94		
T2A-95-278	KEY				1.1.1.2.1.2	PREPARE 9000 CUFT OF WASTE FOR SHIPMENT (SECOND QUARTER)	3/31/95		
T2A-95-279	KEY				1.1.1.2.1.2	PREPARE 9000 CUFT OF WASTE FOR SHIPMENT (THIRD QUARTER)	6/30/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-280	KEY				1.1.1.2.1.2	PREPARE 9000 CUFT OF WASTE FOR SHIPMENT (FOURTH QUARTER)	9/29/95		
T2A-95-281	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (OCTOBER)	10/30/94		
T2A-95-282	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (NOVEMBER)	11/30/94		
T2A-95-283	KEY				1.1.1.2.1.2	PREPARE 3000 CUFT OF WASTE PER MONTH (DECEMBER)	12/29/94		
T2A-95-284	KEY				1.1.1.2.1.3	DEVELOP REPETITIVE WORK PACKAGES 200 EAST	9/29/95		
T2A-95-286	KEY				1.1.1.2.1.2	PERFORM ANNUAL S/RIDS NUCLEAR SAFETY COMPLIANCE ASSESSMENT	9/29/95		
T2A-95-287	KEY				1.1.1.2.1.2	UPDATE THREE INTERIM SAFETY EQUIPMENT LISTS (ISEL)	9/29/95		
D-12 T2A-95-288	KEY				1.1.1.2.1.2	COMPLETE TWRS FY1995 PHASE 2 S/RID ASSESSMENT	5/30/95		
T2A-95-289	KEY				1.1.1.2.1.2	CORRECTIVE ACTION/ISSUE MANAGEMENT PILOT ASSESSMENT REPORT COMPLETE	6/30/95		
T2A-95-290	KEY				1.1.1.2.1.2	RADCON COMPLIANCE REVIEW	12/30/94		
T2A-95-291	KEY				1.1.1.2.1.2	DEVELOP CIPS FOR NEW IOSRS DEVELOPED FOR AUXILIARY FACILITIES	9/29/95		
T2A-95-292	KEY				1.1.1.2.1.1	PRODUCTION AND DISTRIBUTION OF A DRAFT OF THE FY96 INTEGRATED SCHEDULE FOR TWRS PLANT	9/15/95		
T2A-95-293	MAJOR-RL				1.1.1.2.1.1	MANAGER/SUPERVISOR INITIAL AND CONTINUING TRAINING PROGRAMS COMPLIANCE WITH DOE ORDER 5480.20	9/29/95		
T2A-95-294	KEY				1.1.1.2.1.1	TWRS QUALITY ASSURANCE WILL MEET WITH OPERATIONS ON A BI-WEEKLY BASIS	9/29/95		
T2A-95-295	KEY				1.1.1.2.1.1	TWRS QUALITY ASSURANCE WILL PERFORM WEEKLY 1N1 MATERIAL REVIEW BOARD (MRB) MEETINGS	9/29/95		
T2A-95-296	KEY				1.1.1.2.1.1	TWRS QUALITY ASSURANCE WILL POST-REVIEW JCS WORK PACKAGES	9/29/95		
T2A-95-297	KEY				1.1.1.2.1.1	TWRS QUALITY ASSURANCE WILL PRE-REVIEW JCS WORK PACKAGES	9/29/95		
T2A-95-298	KEY				1.1.1.2.1.1	TWRS QUALITY ASSURANCE WILL PRE-REVIEW 16 PROCEDURES PER MONTH	9/29/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-299	KEY				1.1.1.2.1.1	TWRS QUALITY ASSURANCE WILL PERFORM 8 ASSESSMENTS	9/29/95		
T2A-95-300	KEY				1.1.1.2.1.1	TWRS PLANT OPERATING PROCEDURES MAINTAINED TO 5480.19 STANDARDS	9/29/95		
T2A-95-301	KEY				1.1.1.2.1.1	NUCLEAR SAFETY WORK PACKAGE REVIEWS	9/29/95		
T2A-95-302	KEY				1.1.1.2.1.1	NUCLEAR SAFETY PLANT DOCUMENTATION REVIEWS	9/29/95		
T2A-95-303	KEY				1.1.1.2.1.1	NUCLEAR SAFETY OPERATIONAL READINESS REVIEW	9/29/95		
T2A-95-304	KEY				1.1.1.2.1.1	NUCLEAR SAFETY DOCUMENTATION REVIEWS	9/29/95		
T2A-95-306	KEY				1.1.1.2.1.1	SUBMIT FY1996 TANK FARM OPERATIONS & MAINTENANCE MULTI-YEAR WORK PLAN UPDATE	9/29/95		
T2A-95-307	KEY				1.1.1.2.1.2	QUARTERLY RCRA INSPECTION SCHEDULES AND LOGS	7/14/95		
T2A-95-308	KEY				1.1.1.2.1.2	QUARTERLY RCRA INSPECTION SCHEDULES AND LOGS	4/14/95		
T2A-95-309	KEY				1.1.1.2.1.2	QUARTERLY RCRA INSPECTION SCHEDULES AND LOGS	1/13/95		
T2A-95-310	KEY				1.1.1.2.1.2	SUBMIT AIR OPERATING PERMIT APPLICATION	6/30/95		
T2A-95-311	MAJOR-RL				1.1.1.2.1.2	SUBMIT 242-A EVAPORATOR PART B NOD RESPONSE TABLE	10/26/94		
T2A-95-312	MAJOR-RL				1.1.1.2.1.2	QUARTERLY REPORT ON REGULATORY AGENCY INSPECTIONS	7/14/95		
T2A-95-313	KEY				1.1.1.2.1.2	ANNUAL DANGEROUS WASTE REPORT	3/31/95		
T2A-95-314	KEY				1.1.1.2.1.2	EPCRA 312 REPORT	3/31/95		
T2A-95-315	KEY				1.1.1.2.1.2	EPCRA 313 REPORT	6/30/95		
T2A-95-316	MAJOR-HQ			5B	1.1.1.2.1.5	COMPLETE REMOVAL OF PUMPABLE LIQUIDS FROM SIX OF 43 TANKS	11/30/94		
T2A-95-317	KEY				1.1.1.2.1.2	IMPLEMENT PROGRAM DOCUMENTS AND PROCEDURES FOR ADMINISTRATIVE CONTROLS	9/29/95		
T2A-95-318	KEY				1.1.1.2.1.2	PHASE 2 STRATEGY FOR IOSR	3/30/95		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-95-319	KEY				1.1.1.2.1.2	10CFR835 COMPLIANCE DOCUMENTATION	9/29/95		
T2A-95-320	MAJOR-RL				1.1.1.2.1.1	TRAINING AND QUALIFICATION S/RID REVISION	12/30/94		
T2A-95-321	KEY				1.1.1.2.1.2	FULL COMPLIANCE WITH DOE RADIOLOGICAL CONTROL MANUAL (RCM)	3/31/95		
T2A-96-100	TPA-T	M-41-08-T01			1.1.1.2.1.5	COMPLETE INTERIM STABILIZATION OF 1 NON-WATCH LIST TANK IN 241-U TANK FARM (M-41-08-T01)	3/31/96		
T2A-96-101	TPA-I	M-41-09			1.1.1.2.1.5	START INTERIM STABILIZATION OF 7 NON-WATCH LIST TANK IN 241-S TANK FARM (M-41-09)	1/31/96		
T2A-96-102	TPA-I	M-41-10			1.1.1.2.1.5	START INTERIM STABILIZATION OF 2 FLAMMABLE GAS WATCH LIST TANKS IN 241-A/AX TANK FARMS (M-41-10)	4/30/96		
T2A-96-103	TPA-I	M-41-11			1.1.1.2.1.5	START INTERIM STABILIZATION OF 4 FLAMMABLE GAS WATCH LIST TANKS IN 241-U TANK FARMS (M-41-11)	4/30/96		
T2A-96-104	TPA-M	M-46-00C			1.1.1.2.1.3	DOUBLE-SHELL TANK SPACE EVALUATION (M-46-00C)	9/30/96		
T2A-96-114	MAJOR-RL				1.1.1.2.1.5	COMPLETE INTRUSION PREVENTION IN 7 SSTs	9/30/96		
T2A-96-115	MAJOR-HQ			5F	1.1.1.2.1.5	UPGRADE LEAK DETECTION EQUIPMENT FOR SST'S THAT DO NOT HAVE LIQUID OBSERVATION WELLS AND HAVE SOLID SURFACES CONTAINING PUMPABLE LIQUID (3 TANKS)	10/31/95		
T2A-96-121	MAJOR-RL				1.1.1.2.1.5	COMPLETE PARTIAL INTERIM STABILIZATION PREPARATIONS FOR 4 FERROCYANIDE WATCH LIST TANKS IN 241-BX/BY TANK FARMS	9/30/96		
T2A-96-122	MAJOR-RL				1.1.1.2.1.5	COMPLETE PARTIAL INTERIM STABILIZATION PREPARATIONS FOR 7 FLAMMABLE GAS WATCH LIST TANKS IN 241-S/SX TANK FARMS	9/30/96		
T2A-96-124	MAJOR-RL				1.1.1.2.1.5	COMPLETE PARTIAL INTERIM STABILIZATION PREPARATIONS FOR 2 ORGANIC WATCH LIST TANKS IN 241-S/SX TANK FARMS	9/30/96		
T2A-97-100	TPA-T	M-41-09-T01			1.1.1.2.1.5	COMPLETE INTERIM STABILIZATION OF 7 NON-WATCH LIST TANK IN 241-S TANK FARM (M-41-09-T01)	4/30/97		

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WESTINGHOUSE LANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2A-97-101	TPA-T	M-41-11-T01			1.1.1.2.1.5	COMPLETE INTERIM STABILIZATION OF 4 FLAMMABLE GAS WATCH LIST TANKS IN 241-U TANK FARMS (M-41-11-T01)	5/31/97		
T2A-97-102	TPA-I	M-41-12			1.1.1.2.1.5	START INTERIM STABILIZATION OF 4 FERROCYANIDE WATCH LIST TANKS IN 241-BX/BY TANK FARMS (M-41-12)	4/30/97		
T2A-97-103	TPA-I	M-41-14			1.1.1.2.1.5	START INTERIM STABILIZATION OF 7 FLAMMABLE GAS WATCH LIST TANKS IN 241-S/SX TANK FARM (M-41-14)	6/30/97		
T2A-97-104	TPA-I	M-41-15			1.1.1.2.1.5	START INTERIM STABILIZATION OF 2 ORGANIC WATCH LIST TANKS IN 241-S/SX TANK FARMS (M-41-15)	6/30/97		
T2A-97-105	TPA-T	M-41-13-T01			1.1.1.2.1.5	COMPLETE INTERIM STABILIZATION OF 3 ORGANIC WATCH LIST TANKS IN 241-U TANK FARM (M-41-13-T01)	12/31/96		
T2A-97-106	TPA-M	M-46-00D			1.1.1.2.1.3	DOUBLE-SHELL TANK SPACE EVALUATION (M-46-00D)	9/30/97		
T2A-97-112	MAJOR-RL				1.1.1.2.1.5	COMPLETE INTRUSION PREVENTION IN 4 SSTs	9/30/97		
TW1-94-557	MAJOR-RL				1.1.1.2.1.2	DST EMERGENCY PUMPING PLAN COMPLETE	10/31/94		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.2.2									
T2B-95-100	TPA-I	M-40-02			1.1.1.2.2.3	UPGRADE TEMPERATURE MONITORING CAPABILITIES IN FERROCYANIDE TANKS (M-40-02)	9/30/95		
T2B-95-101	TPA-I	M-40-04			1.1.1.2.2.5	COMPLETE REMOVAL OF FLOATING ORGANIC LAYER FROM TANK 241-C-103 (M-40-04)	6/30/95		
T2B-95-102	TPA-I	M-40-05			1.1.1.2.2.6	COMPLETE SAFETY ALTERNATIVE TEST IN HIGH-HEAT TANK 241-C-106 (M-40-05)	9/29/95		
T2B-95-103	TPA-I	M-40-07			1.1.1.2.2.8	COMMENCE OPERATION OF A VAPOR TREATMENT SYSTEM IN TANK 241-C-103 (M-40-07)	6/30/95		
T2B-95-104	MAJOR-HQ			2X	1.1.1.2.2.6	COMPLETE CONTINGENCY COOLING TESTS IN HIGH-HEAT TANK 241-C-106 (SI 2X)	6/30/95		
T2B-95-105	MAJOR-HQ			2L	1.1.1.2.2.4	CLOSE SY TANK FARM FLAMMABLE GAS USQ (SI 2L)	3/31/95		
T2B-95-106	MAJOR-HQ			2K	1.1.1.2.2.4	REPLACE VENTILATION FAN IN SY FARM TO FURTHER REDUCE SPARK POTENTIAL (SI 2K)	8/31/95		
T2B-95-107	MAJOR-HQ			2H	1.1.1.2.2.4	INSTALL GAS MONITORING EQUIPMENT IN THE REMAINING POTENTIALLY FLAMMABLE GAS TANKS (SI 2H)	4/28/95		
T2B-95-108	MAJOR-HQ			2F	1.1.1.2.2.4	EXPEDITE DESIGN AND CONSTRUCTION OF A BACKUP PORTABLE EXHAUSTER FOR TANK 241-SY-101 (SI 2F)	12/30/94		
T2B-95-109	MAJOR-HQ			2E	1.1.1.2.2	DESIGN AND INSTALL A PERMANENT MIXER PUMP IN 241-SY-101 (SI 2E)	3/31/95		
T2B-95-110	MAJOR-HQ			2U	1.1.1.2.2.5	COMPLETE REMOVAL OF FLOATING ORGANIC LAYER FROM TANK 241-C-103 (SI 2U)	3/31/95		
T2B-95-111	MAJOR-HQ			2O	1.1.1.2.2.8	SAMPLE AND CHARACTERIZE REMAINING SUSPECT TANKS. ALTER PERSONNEL EXPOSURE & PROTECTIVE EQUIPMENT REQUIREMENTS AS NECESSARY (SI 2O)	6/30/95		
T2B-95-112	KEY				1.1.1.2.2.3	TRANSFER CYANOFERRATE SPECIATION TECHNOLOGY TO ANALYTICAL LABORATORIES	3/27/95		
T2B-95-113	MAJOR-HQ			2TA	1.1.1.2.2.3	COMPLETE INSTALLATION OF NEW THERMOCOUPLE TREES & HOOK UP TO TMACS IN REMAINING FERROCYANIDE TANKS (SI 2TA)	9/30/95		

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WESTINGHOUSE LANSFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2B-95-114	MAJOR-RL				1.1.1.2.2.3	ISSUE REPORT ON FERROCYANIDE AGING STUDIES	9/29/95		
T2B-95-115	KEY				1.1.1.2.2.3	ISSUE REPORT ON MOISTURE RETENTION MODELING OF FERROCYANIDE WASTE	9/29/95		
T2B-95-117	KEY				1.1.1.2.2.5	REACH DECISION TO INTERIM STABILIZE TANK 241-C-103 WITH FLOATING ORGANIC LAYER IN PLACE OR PROCEED WITH REMOVAL OF FLOATING ORGANIC LAYER (SI 2TB)	5/16/95		
T2B-95-118	KEY				1.1.1.2.2.3	IMPLEMENT MOISTURE MONITORING FOR FERROCYANIDE TANKS WITH EXISTING LOW'S USING DUAL NEUTRON PROBE	9/1/95		
T2B-95-119	KEY				1.1.1.2.2.8	SAMPLE THE VAPOR HEADSPACE OF REMAINING SUSPECT TANKS	9/30/95		
T2B-95-120	KEY				1.1.1.2.2.3	COMPLETE ENGINEERING TESTING AND IN-TANK APPLICATION OF ELECTROMAGNETIC INDUCTION (EMI) MOISTURE MONITORING SYSTEM AND PROVIDE REPORT	9/30/95		
T2B-95-121	KEY				1.1.1.2.2.8	DESIGN AND FABRICATION OF A VAPOR TREATMENT SYSTEM IN TANK 241-C-103	6/10/95		
T2B-95-123	KEY				1.1.1.2.2.3	TRANSMIT DATA INTERPRETATION REPORTS FOR FOUR FERROCYANIDE TANKS	9/29/95		
T2B-95-124	KEY				1.1.1.2.2.5	COMPLETE USQ SAFETY SCREEN/EVALUATION FOR TANK 241-C-102	6/30/95		
T2B-95-126	KEY				1.1.1.2.2.5	UPDATE PROGRAM STRATEGY DOCUMENT - WASTE TANK ORGANIC SAFETY PROGRAM	6/30/95		
T2B-95-127	KEY				1.1.1.2.2.5	REVISE ORGANIC TANKS WATCH LIST - BASED ON PRELIMINARY SAFETY CRITERIA	2/28/95		
T2B-95-129	KEY				1.1.1.2.2.5	COMPLETE ENGINEERING STUDY - MOISTURE MONITORING/CONTROL DEMONSTRATION	3/31/95		
T2B-95-130	MAJOR-RL				1.1.1.2.2.5	SELECT WASTE MOISTURE MONITORING/CONTROL CONCEPTS FOR ORGANIC WATCH LIST TANKS	6/30/95		
T2B-95-131	KEY				1.1.1.2.2.8	COMPLETE DESIGN BASELINE FROM ENGINEERING EVALUATION OF ALTERNATIVES (EEA) RECOMMENDATIONS	10/31/94		
T2B-95-132	MAJOR-RL				1.1.1.2.2.5	ISSUE PRELIMINARY SAFETY CRITERIA FOR ORGANIC WATCH LIST TANKS	1/31/95		

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WESTINGHOUSE INFLORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2B-95-133	KEY				1.1.1.2.2.3	TRANSMIT QUARTERLY PROGRESS REPORTS	7/14/95		
T2B-95-134	KEY				1.1.1.2.2.8	ALTER PERSONAL PROTECTIN EQUIPMENT REQUIREMENTS AS NECESSARY	9/30/95		
T2B-95-135	KEY				1.1.1.2.2.8	CHARACTERIZE THE VAPOR HEADSPACE OF REMAINING SUSPECT TANKS (ORNL)	9/30/95		
T2B-95-136	KEY				1.1.1.2.2.8	CHARACTERIZE THE VAPOR HEADSPACE OF REMAINING SUSPECT TANKS (PNL)	9/30/95		
T2B-95-137	MAJOR-RL				1.1.1.2.2.1	ISSUE FINALWASTE TANK SAFETY PROGRAMMATIC RISK ASSESSMENT REPORT (PNL)	9/29/95		
T2B-95-138	KEY				1.1.1.2.2.4	ISSUE REPORTON MODELING OF WASTE PHYSICAL PROPERTIES AND BEHAVIOR (PNL)	7/31/95		
T2B-95-139	KEY				1.1.1.2.2.4	ISSUE REPORTON GAS GENERATION STUDIES (PNL)	9/5/95		
T2B-95-140	KEY				1.1.1.2.2.4	ISSUE REPORTON GAS TETENTION AND ITS EFFECTS ON WASTE PROPERTIES AND THE RELATIONSHIP TO GAS RELEASE (PNL)	9/8/95		
T2B-95-141	KEY				1.1.1.2.2.4	ISSUE STATUS REPORTON GAS MONITORING DATA FOR DST'S	1/30/95		
T2B-95-142	KEY				1.1.1.2.2.4	ISSUE INTERPRETIVE REPORT ON TANK 241-SY-103 CORE SAMPLE DATA	6/15/95		
T2B-95-143	KEY				1.1.1.2.2.4	ISSUE STATUS REPORTON GAS MONITORING DATA FOR SST'S	8/15/95		
T2B-95-144	KEY				1.1.1.2.2.4	ISSUE REPORTON RETAINED GAS SAMPLING OF TANK 241-SY-101	9/29/95		
T2B-95-145	MAJOR-RL				1.1.1.2.2.4	CLOSE AW FARM FLAMMABLE GAS USQ	8/31/95		
T2B-95-146	KEY				1.1.1.2.2.6	UPDATE PROGRAM PLAN FOR HIGH HEAT TANK SAFETY PROGRAM	12/30/94		
T2B-95-147	KEY				1.1.1.2.2.6	UPDATE ACTION PLAN FOR HIGH HEAT TANK 241-C-106	1/31/95		
T2B-95-148	MAJOR-RL				1.1.1.2.2.6	COMPLETE ALTERNATIVE CONTINGENCY SYSTEM DESIGNS FOR HIGH HEAT TANK 241-C-106	5/31/95		
T2B-95-149	KEY				1.1.1.2.2.7	IDENTIFY APPLICABLE "AUTHORIZATION BASIS DOCUMENTS" AND PERFORM DISCOVERY USQ SCREENING FOR MUST'S	12/30/94		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2B-95-150	KEY				1.1.1.2.2.7	PERFORM ADDITIONAL PRELIMINARY HAZARD ANALYSIS FOR MUST'S AND USQ EVALUATION IF REQUIRED	6/30/95		
T2B-95-151	KEY				1.1.1.2.2.7	VERIFY A LARGE EMPTY MUST USING STATE-OF-THE-ART METHOD	9/29/95		
T2B-95-152	KEY				1.1.1.2.2.7	VERIFY LIQUID LEVEL FOR REPRESENTATIVE MUST USING STATE-OF-THE-ART METHOD	9/29/95		
T2B-95-153	KEY				1.1.1.2.2.7	PERFORM A SAFETY SCREENING CHARACTERIZATION AND A VAPOR SAMPLE ANALYSIS FOR ONE LARGE MUST	9/29/95		
T2B-95-154	MAJOR-RL				1.1.1.2.2.9	ISSUE REVISED CRITICALITY SAFETY ASSESSMENT	9/29/95		
T2B-95-155	MAJOR-RL				1.1.1.2.2.9	COMPLETE FISSIONABLE MATERIAL MEASUREMENTS ON SIX TANKS	9/29/95		
T2B-95-156	MAJOR-RL				1.1.1.2.2.2	COMPLETE TANK SY-103 INITIAL VOID FRACTION AND VISCOMETER TESTING	6/30/95		
T2B-95-157	MAJOR-RL				1.1.1.2.2.2	ISSUE LETTER REPORT ON VOID/VISCOMETER CHARACTERIZATION OF TANK SY-101	4/30/95		
T2B-95-159	MAJOR-RL				1.1.1.2.2.2	ISSUE SAFETY ASSESSMENT FOR IN-TANK DILUTION TESTING OF TANK SY-103	9/30/95		
T2B-95-160	KEY				1.1.1.2.2.2	COMPLETE FABRICATION OF TANK SY-103 PUMP	12/29/95		
T2B-95-161	KEY				1.1.1.2.2.2	COMPLETE INITIAL TANK AW-101 VOID FRACTION AND VISCOMETER TESTING	9/30/95		
T2B-95-162	KEY				1.1.1.2.2.9	ISSUE EVALUATION REPORT ON ALTERNATE MEASUREMENT TECHNOLOGY FOR FISSIONABLE MATERIAL	1/16/95		
T2B-95-163	MAJOR-RL				1.1.1.2.2.8	COMPLETE TANK FARM VAPOR EXPOSURE PATHWAY WORKBOOK AND C-FARM ESTIMATE	9/30/95		
T2B-95-381	KEY				1.1.1.2.2.6	COMPLETE TANK 241-C-106 TEMPERATURE TRANSIENT SUMMARY REPORT	11/30/94		
T2B-96-100	TPA-I	M-40-03			1.1.1.2.2.8	PERFORM VAPOR CHARACTERIZATION FOR ALL FERROCYANIDE WATCH LIST TANKS (M-40-03)	11/30/95		
T2B-96-101	TPA-I	M-40-08			1.1.1.2.2.8	PERFORM VAPOR CHARACTERIZATION FOR ALL ORGANIC WATCH LIST TANKS (M-40-08)	11/30/95		

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WESTINGHOUSE LANSFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2B-97-100	TPA-I	M-40-10			1.1.1.2.2.4	COMPLETE VAPOR SPACE MONITORING FOR ALL FLAMMABLE GAS GENERATING TANKS (M-40-10)	1/31/97		
T2B-97-115	MAJOR-HQ			2P	1.1.1.2.2.8	PROVIDE VAPOR MONITORING EQUIPMENT WITH ALARM CAPABILITY AND/OR VENTILATION UPGRADES TO TANKS WHERE WARRANTED (SI 2P)	4/30/97		
T2B-97-117	MAJOR-HQ			2TB	1.1.1.2.2.5	INSTALLATION OF NEW THERMOCOUPLE TREES AND CONNECT TO TMACS IN ALL ORGANIC TANKS	9/30/97		

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WHC-SP-1101

WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.2.3									
T2C-95-015	TPA-I	M-43-04A			1.1.1.2.3.7	PROVIDE ECOLOGY & DEPT. OF HEALTH THE PROJECT CONCEPTUAL DESIGN REPORT FOR W-314A (M-43-04A)	5/31/95		
T2C-95-100	TPA-T	M-43-02-T05			1.1.1.2.3	PROVIDE ECOLOGY & DEPT. OF HEALTH THE PROJECT DESIGN CRITERIA FOR W-314B (M-43-02-T05)	9/30/95		
T2C-95-101	TPA-T	M-43-02-T06			1.1.1.2.3.7	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR W-3124B (M-43-02-T06)	6/30/95		
T2C-95-102	TPA-I	M-43-02A			1.1.1.2.3.7	PROVIDE ECOLOGY & DEPT. OF HEALTH THE PROJECT CONCEPTUAL DESIGN REPORT FOR W-314B (M-43-02A)	5/31/95		
T2C-95-103	TPA-T	M-43-04-T04			1.1.1.2.3	PROVIDE ECOLOGY & DEPT. OF HEALTH THE PROJECT DESIGN CRITERIA FOR W-314A (M-43-04-T04)	9/30/95		
T2C-95-104	TPA-T	M-43-04-T05			1.1.1.2.3.7	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR W-314A (M-43-04-T05)	6/30/95		
T2C-95-106	TPA-T	M-43-05-T01			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT ENGINEERING STUDY & SCOPE STATEMENT FOR W-314C (M-43-05-T01)	2/28/95		
T2C-95-107	TPA-T	M-43-05-T02			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT FUNCTIONS & REQUIREMENTS FOR W-314C (M-43-05-T02)	4/30/95		
T2C-95-108	TPA-T	M-43-05-T03			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT CONCEPTUAL DESIGN STATEMENT OF WORK & CONCEPTUAL DESIGN CRITERIA FOR W-314C (M-43-05-T03)	6/30/95		
T2C-95-109	TPA-T	M-43-07-T01			1.1.1.2.3.1	COMPLETE DEFINITIVE DESIGN FOR W-058 (M-43-07-T01)	8/31/95		
T2C-95-110	TPA-I	M-43-07A			1.1.1.2.3.1	START CONSTRUCTION FOR W-058 (M-43-07A)	11/30/95		
T2C-95-111	TPA-T	M-42-02-T01			1.1.1.2.3	INITIATE CONSTRUCTION OF THE MWTF 200E AREA TANKS (M-42-02-T01)	2/28/95		
T2C-95-112	TPA-I	M-43-01A			1.1.1.2.3.1	START CONSTRUCTION FOR W-030 (M-43-01A)	10/31/94		
T2C-95-113	MAJOR-HQ				1.1.1.2.3.6	UPGRADE LEAK DETECTION EQUIPMENT FOR SSTs WITH LIQUID SURFACES	12/30/94		

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WHC-SP-1101

WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2C-95-114	MAJOR-HQ			4A	1.1.1.2.3.6	UPGRADE 7 TANK FARM CONTROL ROOM ALARM PANELS	3/31/95		
T2C-95-115	MAJOR-HQ				1.1.1.2.3.9	UPGRADE 10 TANK FARM COMPRESSED AIR SYSTEMS	3/31/95		
T2C-95-116	MAJOR-RL				1.1.1.2.3.2	FIELD VERIFICATION/LABELING PROGRAM FY 1995 (175 DRAWINGS)	9/29/95		
T2C-95-117	KEY				1.1.1.2.3.9	PREPARE COLD TEST FACILITY FOR QUALIFICATION TEST PROCEDURE	9/29/95		
T2C-95-118	MAJOR-RL				1.1.1.2.3.9	RELEASE COMPONENT REMOVAL EQUIPMENT FINAL DESIGN	3/30/95		
T2C-95-119	KEY				1.1.1.2.3.9	TX/TY MODULAR COMPRESSOR - DESIGN MEDIA	12/22/94		
T2C-95-120	MAJOR-RL				1.1.1.2.3.9	TX/TY MODULAR COMPRESSOR - INSTALLATION	3/24/95		
T2C-95-121	MAJOR-RL				1.1.1.2.3.9	241-AP CLOSED LOOP COOLING - INSTALLATION	3/24/95		
T2C-95-122	MAJOR-RL				1.1.1.2.3.9	242-S LIQUID WASTE MINIMIZATION - INSTALLATION	6/23/95		
T2C-95-125	KEY				1.1.1.2.3.2	FIELD VERIFICATION/LABELING PROGRAM FY 1995 (2300 LABELS, MEL)	9/29/95		
T2C-95-126	KEY				1.1.1.2.3.9	(2) CONTAINERS FOR PACKAGING SYSTEM COMPLETED AND DELIVERED	9/29/95		
T2C-95-127	KEY				1.1.1.2.3.9	COMPLETE FABRICATION OF 2 FRA MODIFICATIONS & RISER ADAPTERS	9/29/95		
T2C-95-128	KEY				1.1.1.2.3.9	241-701-A COMPRESSOR - TURNOVER	6/16/95		
T2C-95-129	KEY				1.1.1.2.3.9	241-AP CLOSED LOOP COOLING - TURNOVER	6/23/95		
T2C-95-130	KEY				1.1.1.2.3.9	241-T COMPRESSOR - TURNOVER	2/24/95		
T2C-95-131	KEY				1.1.1.2.3.9	241-U COMPRESSOR - TURNOVER	2/24/95		
T2C-95-132	KEY				1.1.1.2.3.9	241-TX-TY MODULAR COMPRESSOR - TURNOVER	7/28/95		
T2C-95-133	KEY				1.1.1.2.3.9	242-S LIQUID WASTE MINIMIZATION - TURNOVER	9/29/95		
T2C-95-134	KEY				1.1.1.2.3.9	B/BX/BY MODULAR COMPRESSOR - TURNOVER	5/26/95		
T2C-95-401	KEY				1.1.1.2.3.3	DESIGN DST CRACK GROWTH RATE TEST PLAN	11/30/94		

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WHC-SP-1101

WESTINGHOUSE NORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2C-95-402	KEY				1.1.1.2.3.3	COMPLETE PRELIMINARY CERT STUDIES	5/31/95		
T2C-95-403	KEY				1.1.1.2.3.3	COMPLETE PITTING TEST PLAN	5/31/95		
T2C-95-404	KEY				1.1.1.2.3.3	DST STRUCTURAL CONCRETE ASSESSMENT	4/27/95		
T2C-95-405	MAJOR-RL				1.1.1.2.3.3	ENGINEERING DESIGN FOR CP UPGRADES	4/28/95		
T2C-95-406	KEY				1.1.1.2.3.3	ELECTRONIC ENGINEERING BIBLIOGRAPHY	3/31/95		
T2C-95-408	MAJOR-RL				1.1.1.2.3.1	RELEASE CDR FOR W-188	3/30/95		
T2C-95-410	KEY				1.1.1.2.3.1	ISSUE TITLE II DESIGN REPORT FOR APPROVAL	6/1/95		
T2C-95-411	MAJOR-RL				1.1.1.2.3.6	242-S EVAPORATOR ALARM UPGRADE - INSTALL	3/24/95		
T2C-95-412	KEY				1.1.1.2.3.6	241-701-A MCC REPLACEMENT - TURNOVER	5/26/95		
T2C-95-421	KEY				1.1.1.2.3.6	242-S EVAPORATOR ALARM UPGRADE - TURNOVER	7/25/95		
T2C-95-430	KEY				1.1.1.2.3.6	INSTRUMENTATION UPGRADES PLAN WHC-SD-WM-WP-132, REV. 5	3/29/95		
T2C-95-431	MAJOR-RL				1.1.1.2.3.6	INSTRUMENTATION UPGRADES PLAN WHC-SD-WM-WP-132, REV. 6	9/29/95		
T2C-95-432	KEY				1.1.1.2.3.6	H DAT: FULLY OPERATIONAL, S, SX, SY, C, TY FARMS	9/29/95		
T2C-95-433	MAJOR-RL				1.1.1.2.3.6	LEVEL GAUGES SUPPORT: 64 INSTALLED	9/29/95		
T2C-95-434	KEY				1.1.1.2.3.6	TMACS: COMMUNICATIONS SYSTEM ATP COMPLETE (S, SX, U, AW, A, AX)	9/29/95		
T2C-95-460	KEY				1.1.1.2.3.1	W-280, TANK FARM LIGHTING - OAC	2/28/95		
T2C-95-461	KEY				1.1.1.2.3.1	W-364, 209E SEPTIC TANK - OAC	5/31/95		
T2C-95-500	KEY				1.1.1.2.3.1	APPROVE/ISSUE A-E/CM CONTRACT FOR W-314 ACD	9/1/95		
T2C-95-501	MAJOR-RL				1.1.1.2.3.7	COMPLETE W-314 DESIGN REQUIREMENTS BASELINE	5/31/95		
T2C-95-502	MAJOR-RL				1.1.1.2.3.7	ISSUE FINAL W-314 PROJECT PLAN TO RL	6/30/95		
T2C-95-503	MAJOR-RL				1.1.1.2.3.7	ISSUE FINAL PROJECT MANAGEMENT PLAN TO RL	7/31/95		
T2C-95-505	KEY				1.1.1.2.3.7	APPROVE W-314 CONCEPTUAL DESIGN REQUIREMENTS BASELINE (DRB)	4/28/95		

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WHC-SP-1101

WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2C-95-509	MAJOR-RL				1.1.1.2.3.7	SUBMIT W-314 VALIDATION PACKAGE TO DOE-RL	5/31/95		
T2C-95-510	MAJOR-RL				1.1.1.2.3.7	ISSUE W-314 FINAL QAPP	5/31/95		
T2C-95-513	KEY				1.1.1.2.3.7	ISSUE REQUEST TO RL FOR APPROVAL OF A-E/CM LETTER ORDER	5/1/95		
T2C-95-514	MAJOR-RL				1.1.1.2.3.7	RL APPROVE A-E/CM LETTER ORDER	6/1/95		
T2C-95-600	KEY				1.1.1.2.3.9	PROTOTYPE TRANSFER PUMP - FINAL DESIGN	5/16/95		
T2C-95-601	MAJOR-RL				1.1.1.2.3.2	FY95 CONFIGURATION MANAGEMENT - CM SYSTEMS & BOUNDRIES LIST ISSUED	9/29/95		
T2C-95-700	MAJOR-RL				1.1.1.2.3.4	ADMINISTRATION BUILDING DESIGN PACKAGE/PACKAGE 30	9/30/95		
T2C-95-701	MAJOR-RL				1.1.1.2.3.4	CONSTRUCTION FENCE DESIGN PACKAGE/PACKAGE 60	10/31/94		
T2C-95-705	MAJOR-RL				1.1.1.2.3.4	SUPPORT FACILITY DESIGN PACKAGE - 200E/PACKAGE 50	5/26/95		
T2C-95-706	MAJOR-RL				1.1.1.2.3.4	COMPLETE THE TANK DESIGN PACKAGE CERTIFIED DESIGN SPECIFICATION (CES)/ PACKAGE 40 FOR W-236A	12/14/94		
T2C-95-707	MAJOR-RL				1.1.1.2.3.4	DRD/FDC LETTER REPORT	6/30/95		
T2C-95-709	MAJOR-HQ				1.1.1.2.3.4	PREPARE MWTF REVALIDATION MATERIAL	4/20/95		
T2C-95-712	TPA-I	M-46-01A			1.1.1.2.3.4	CONCURRENCE OF ADDITIONAL TANK ACQUISITION	11/30/94		
T2C-95-713	KEY				1.1.1.2.3.7	ISSUE W-314 PRELIMINARY SAFETY EVALUATION 9PSE)	5/31/95		
T2C-96-100	TPA-T	M-42-02-T02			1.1.1.2.3.4	COMPLETE THE DETAILED DESIGN FOR THE MWTF 200E AREA TANKS (M-42-02-T02)	1/31/96		
T2C-96-101	TPA-T	M-42-02-T02			1.1.1.2.3.7	START DEFINITIVE DESIGN FOR W-314A (M-42-02-T02)	1/31/96		
T2C-96-102	TPA-T	M-43-05-T05			1.1.1.2.3	PROVIDE ECOLOGY THE PROJECT DESIGN CRITERIA FOR W-314C (M-43-05-T05)	9/30/96		
T2C-96-103	TPA-T	M-43-05-T06			1.1.1.2.3.7	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR W-314C (M-43-05-T06)	6/30/96		
T2C-96-104	TPA-I	M-43-05A			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT CONCEPTUAL DESIGN REPORT FOR W-314C (M-43-05A)	5/31/96		

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WMC-SP-1101

WESTINGHOUSE JFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2C-96-105	TPA-T	M-43-06-T01			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT ENGINEERING STUDY & SCOPE STATEMENT FOR W-314D (M-43-06-T01)	2/28/96		
T2C-96-106	TPA-T	M-43-06-T02			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT FUNCTIONS & REQUIREMENTS FOR W-314D (M-43-06-T02)	4/30/96		
T2C-96-107	TPA-T	M-43-06-T03			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT CONCEPTUAL DESIGN STATEMENT OF WORK & CONCEPTUAL DESIGN CRITERIA FOR W-314D (M-43-06-T03)	6/30/96		
T2C-96-108	MAJOR-HQ			4C	1.1.1.2.3.2	FIELD VERIFY ESSENTIAL/SUPPORT DRAWINGS	9/30/96		
T2C-96-109	MAJOR-RL				1.1.1.2.3.2	FY96 FIELD VERIFICATION PROGRAM FV 175 ESSENTIAL/SUPPORT DRAWINGS - VERIFICATION COMPLETED	9/30/96		
T2C-96-110	MAJOR-RL				1.1.1.2.3.2	FIELD VERIFICATION/LABELING PROGRAM FY 1996 (175 DRAWINGS)	9/30/96		
T2C-96-111	KEY				1.1.1.2.3.9	COMPLETE FABRICATION OF COMPONENT REMOVAL EQUIPMENT	12/29/95		
T2C-96-113	KEY				1.1.1.2.3.9	ADDITIONAL TRANSPORT/STORAGE CONTAINERS FOR PACKAGING SYSTEM DELIVERED	12/29/95		
T2C-96-114	KEY				1.1.1.2.3.9	PERFORM QUALIFICATION TEST PROCEDURE ON CR/P/TS	12/29/95		
T2C-96-115	KEY				1.1.1.2.3.9	COMPLETE RECEIVER TRAILER & TRANSPORT TRAILER RECEIVING & INSPECTION	10/31/95		
T2C-96-116	KEY				1.1.1.2.3.9	SAFETY ANALYSIS REPORT FOR PACKAGING (SARPS) FINAL REPORT	10/31/95		
T2C-96-117	KEY				1.1.1.2.3.9	PROTOTYPE TRANSFER PUMP - RECEIVING & INSPECTION COMPLETE	2/14/96		
T2C-96-118	KEY				1.1.1.2.3.2	COMPONENT LABELING - ETP ISSUED	9/30/96		
T2C-96-401	KEY				1.1.1.2.3.6	SY DIESEL GENERATOR - TURNOVER TO OPS.	9/30/96		
T2C-96-403	KEY				1.1.1.2.3.6	271-CR MCC - INSTALLATION	8/27/97		
T2C-96-404	KEY				1.1.1.2.3.6	SY DIESEL GENERATOR - INSTALL	8/26/96		
T2C-96-405	KEY				1.1.1.2.3.6	271-CR MCC UPGRADE - TURNOVER	9/24/97		

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WESTINGHOUSE NORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2C-96-406	KEY				1.1.1.2.3.6	T-COMPLEX ALARM UPGRADES - TURNOVER TO OPS.	2/4/97		
T2C-96-407	KEY				1.1.1.2.3.6	T COMPLEX ALARM UPGRADES - INSTALLATION	7/26/96		
T2C-96-440	MAJOR-RL				1.1.1.2.3.6	INSTRUMENTATION UPGRADES PLAN (WHC-SD-WM-132), REV. 8	9/30/96		
T2C-96-441	KEY				1.1.1.2.3.6	TMACS: ATP COMPLETE AP,AY,AZ, TX TANK FARMS	9/30/96		
T2C-96-442	KEY				1.1.1.2.3.6	HDAT: FULLY OPERATIONAL IN B,BX,BY,U TANK FARMS	9/30/96		
T2C-96-443	MAJOR-RL				1.1.1.2.3.6	INSTALLATION OF 28 LEVEL GAUGES	9/25/96		
T2C-96-511	MAJOR-HQ				1.1.1.2.3.7	APPROVE KEY DECISION 1 (KD 1) FOR PROJECT W-314	12/1/95		
T2C-96-601	MAJOR-RL				1.1.1.2.3.1	ANNUAL UPDATE FARM-BY-FARM PRIORITY FOR UPGRADES	2/28/96		
T2C-96-702	KEY				1.1.1.2.3.4	COMPLETE JUMPER DESIGN PACKAGE/PACKAGE 70	12/6/95		
T2C-96-703	MAJOR-RL				1.1.1.2.3.4	SITE PREP DESIGN PACKAGE - 200E/PACKAGE 25	10/7/94		
T2C-96-704	KEY				1.1.1.2.3.4	SUPPORT FACILITY DESIGN PACKAGE - 200E/PACKAGE 55	1/5/96		
T2C-96-710	MAJOR-HQ				1.1.1.2.3.4	PREPARE MWTF REVALIDATION MATERIAL	4/20/96		
T2C-96-713	TPA-I	M-46-01B			1.1.1.2.3.4	CONCURRENCE OF ADDITIONAL TANK ACQUISITION	11/30/95		
T2C-97-100	TPA-I	M-43-01			1.1.1.2.3.1	COMPLETE PROJECT W-030 TANK FARM VENTILATION UPGRADES (M-43-01)	12/31/96		
T2C-97-101	TPA-I	M-43-01B			1.1.1.2.3.1	COMPLETE CONSTRUCTION FOR W-030 (M-43-01B)	10/31/96		
T2C-97-102	TPA-I	M-43-01C			1.1.1.2.3.1	BEGIN OPERATION FOR W-030 (M-43-01C)	12/31/96		
T2C-97-103	TPA-T	M-43-02-T07			1.1.1.2.3.7	START DEFINITIVE DESIGN FOR W-314B (M-43-02-T07)	1/31/97		
T2C-97-104	TPA-I	M-43-03			1.1.1.2.3.9	PROVIDE ECOLOGY & DEPT. OF HEALTH THE RESULTS OF THE SINGLE SHELL TANK VENTILATION UPGRADES NEEDS ANALYSIS (M-43-03)	3/31/97		
T2C-97-105	TPA-T	M-43-06-T05			1.1.1.2.3	PROVIDE ECOLOGY THE PROJECT DESIGN CRITERIA FOR W-314D (M-43-06-T05)	9/30/97		

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WESTINGHOUSE IN FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2C-97-106	TPA-T	M-43-06-T06			1.1.1.2.3.7	RECIEVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR W-314DM (M-43-06-T06)	6/30/97		
T2C-97-107	TPA-I	M-43-06A			1.1.1.2.3.7	PROVIDE ECOLOGY THE PROJECT CONCEPTUAL DESIGN REPORT FOR W-314D (M-43-06A)	5/31/97		
T2C-97-108	TPA-I	M-43-07B			1.1.1.2.3.1	COMPLETE CONSTRUCTION FOR W-058 (M-43-07B)	8/31/97		
T2C-97-110	KEY				1.1.1.2.3.9	COMPONENT REMOVAL EQUIPMENT - DESIGN AND BUILD CUTUP EQUIPMENT	9/30/97		
T2C-97-116	KEY				1.1.1.2.3.9	PROTOTYPE TRANSFER PUMPS - OPTION #3 - 4 PLANT UNITS COMPLETE	8/15/97		
T2C-97-117	KEY				1.1.1.2.3.1	ISSUE FINAL FSAR	12/31/96		
T2C-97-118	KEY				1.1.1.2.3.2	COMPONENT LABELING COMPLETE	9/30/97		
T2C-97-445	MAJOR-RL				1.1.1.2.3.6	INSTRUMENTATION UPGRADES PLAN (WHC-SD-WM-132), REV. 10	9/30/97		
T2C-97-446	KEY				1.1.1.2.3.6	TMACS: ATP COMPLETE B FARM	9/30/97		
T2C-97-447	KEY				1.1.1.2.3.6	HDAT: FULLY OPERATIONAL IN A,AN,AP,AW,AX,AY,AZ TANK FARMS	9/30/97		
T2C-97-448	MAJOR-RL				1.1.1.2.3.6	INSTALLATION OF 70 LEVEL GAUGES	8/28/97		
T2C-97-507	KEY				1.1.1.2.3.7	COMPLETE TITLE I DESIGN	1/31/97		
T2C-97-508	KEY				1.1.1.2.3.7	START TITLE II DESIGN	2/3/97		
T2C-97-509	KEY				1.1.1.2.3.7	ISSUE FINAL W-314 PSAR	6/30/97		
T2C-97-512	MAJOR-RL				1.1.1.2.3.7	APPROVE KEY DECISION 2 (KD-2) FOR W-314	12/13/96		
T2C-97-708	MAJOR-RL				1.1.1.2.3.4	BASELINE EVALUATION	10/15/96		
T2C-97-711	MAJOR-HQ				1.1.1.2.3.4	PREPARE MWTF REVALIDATION MATERIAL	4/20/97		
T2C-97-714	TPA-I	M-46-01C			1.1.1.2.3.4	CONCURRENCE OF ADDITIONAL TANK ACQUISITION	11/30/96		
TW3-94-411	MAJOR-RL				1.1.1.2.3.1	TRANSMIT NOC TO WA DEPT. OF HEALTH	1/30/95		
TW3-94-414	KEY				1.1.1.2.3.1	OBTAIN WATER & STEAM UTILITIES CONCURRENCE	6/1/95		
TW3-94-415	KEY				1.1.1.2.3.1	OBTAIN WATER & STEAM UTILITIES CONCURRENCE	6/1/95		
TW3-94-418	MAJOR-RL				1.1.1.2.3.1	TRANSMIT NOC TO WA DEPT. OF HEALTH	1/30/95		

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WESTINGHOUSE NFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
TW3-94-419	KEY				1.1.1.2.3.1	AWARD TRANSFER PUMP CONTRACT	10/14/94		
TW3-94-424	MAJOR-RL				1.1.1.2.3.6	701-A MCC - INSTALL NEW MCC	2/24/95		
TW3-94-426	MAJOR-RL				1.1.1.2.3.9	701-A COMPRESSOR - INSTALL PERMANENT SYSTEM	3/24/95		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.2.4									
T2D-95-100	TPA-I	M-44-01B			1.1.1.2.4.5	SUBMIT A DRAFT COPY OF THE TWRS TANK WASTE ANALYSIS PLANS & TANK CHARACTERIZATION PLANS REVISIONS, UPDATES & ADDITIONS ANNUALLY TO ECOLOGY & EPA (M-44-01B)	5/31/95		
T2D-95-101	TPA-I	M-44-02B			1.1.1.2.4.5	SUBMIT TWAP ANNUALLY TO ECOLOGY & EPA FOR APPROVAL. THE TWAP WILL COVER SAFETY, RETRIEVAL, PRETREATMENT & OTHER PROCESSING NEEDS. THE TWAP WILL IDENTIFY SAMPLING & ANALYSIS ACTIVITIES PROJECTED FOR THE THE FOLLOWING FISCAL YEAR (M-44-02B)	8/31/95		
T2D-95-102	TPA-I	M-44-08			1.1.1.2.4.5	ISSUE 30 TCR'S IN ACCORDANCE WITH THE APPROVED TCP'S. COMPLETE INPUT OF CHARACTERIZATION INFORMATION FOR 30 HLW TANKS TO ELECTRONIC DATABASE (M-44-08)	9/30/95		
T2D-95-103	MAJOR-RL				1.1.1.2.4.5	DRAFT TANK CHARACTERIZATION TECHNICAL BASIS STRATEGY DOCUMENT	2/28/95		
T2D-95-104	MAJOR-RL				1.1.1.2.4.5	FINAL TANK CHARACTERIZATION TECHNICAL BASIS STRATEGY DOCUMENT	5/1/95		
T2D-95-105	KEY				1.1.1.2.4.5	ESTABLISH TANK CHARACTERIZATION TECHNICAL BASIS	7/1/95		
T2D-95-106	MAJOR-RL		1.23		1.1.1.2.4.5	IDENTIFY BOUNDING TANKS FOR DISPOSAL	11/30/94		
T2D-95-107	KEY				1.1.1.2.4.5	DEVELOP WASTE STATUS & TRANSACTION RECORD SUMMARY (WSTRS), TANK LAYERING MODEL AND INVENTORY ESTIMATES FOR NORTHWEST QUADRANT	12/1/94		
T2D-95-108	KEY				1.1.1.2.4.5	DEVELOP WASTE STATUS & TRANSACTION RECORD SUMMARY (WSTRS), TANK LAYERING MODEL AND INVENTORY ESTIMATES FOR SOUTHEAST QUADRANT	4/1/95		
T2D-95-109	KEY				1.1.1.2.4.5	PERFORM STATISTICAL QUALITY ASSURANCE REVIEW OF WASTE STATUS & TRANSACTION RECORD SUMMARY (WSTRS)	9/30/95		
T2D-95-112	KEY				1.1.1.2.4.5	REVISE DEFINED WASTES DOCUMENT TO ELABORATE ADDITIONAL ANALYTES	9/30/95		
T2D-95-113	KEY				1.1.1.2.4.5	ESTABLISH DATA CONTROL MEASURES FOR TANK CHARACTERIZATION DATA	2/28/95		

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WESTINGHOUSE INFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2D-95-114	KEY				1.1.1.2.4.5	DEVELOP DATA ACCESSIBILITY IMPROVEMENT PLAN	9/30/95		
T2D-95-117	MAJOR-RL		1.19		1.1.1.2.4.5	DEVELOP STATISTICAL TOOLS NECESSARY TO SUPPORT DECISIONS RELATIVE TO THE AMOUNT OF SAMPLES NEEDED	12/30/94		
T2D-95-118	KEY				1.1.1.2.4.5	PERFORM TANK GROUPING ANALYSIS	8/31/95		
T2D-95-119	KEY				1.1.1.2.4.5	PREPARE WHITE PAPER ON METHODS FOR USING HISTORICAL DATA	9/28/95		
T2D-95-120	MAJOR-RL		1.18		1.1.1.2.4.5	HISTORICAL TANK CONTENT ESTIMATE REPORTS FOR NORTHWEST AND SOUTHEAST QUADRANTS	3/31/95		
T2D-95-121	KEY				1.1.1.2.4.4	COMPLETE PHASE III AND START OF PHASE IV OF THE SAMPLE EXCHANGE EVALUATION PROGRAM	9/15/95		
T2D-95-122	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 45 DAY DATA REPORT FOR ALL SAMPLING EVENTS BASED ON SAFETY SCREENING DQO'S AS IDENTIFIED IN THE TANK SPECIFIC TANK CHARACTERIZATION PLANS	9/30/95		
T2D-95-123	MAJOR-RL		2.3		1.1.1.2.4.4	COMPLETE SAMPLING AND ANALYSIS OF ALL WATCHLIST TANKS PER THE DATA QUALITY OBJECTIVES	9/30/95		
T2D-95-124	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 216 DAY VALIDATED DATA REPORT FOR ALL SAMPLING EVENTS BASED ON SAFETY RESOLUTION DQO'S AS IDENTIFIED IN THE TANK SPECIFIC TANK CHARACTERIZATION PLANS	9/30/95		
T2D-95-128	MAJOR-RL		3.13		1.1.1.2.4.2	DEPLOY PROTOTYPE CONE PENETROMETER	5/31/95		
T2D-95-129	MAJOR-RL		3/16		1.1.1.2.4.2	DIRECT DRILL BIT TEMPERATURE MONITORING	1/31/95		
T2D-95-130	KEY				1.1.1.2.4.2	RADIOCHEMISTRY IMPROVEMENTS: CALIBRATE ALPHA ENERGY SYSTEM (AEA)	2/15/95		
T2D-95-131	KEY				1.1.1.2.4.2	ORGANIC CHEMISTRY: IMPROVE INTERIM TGA/DSC OFF-GAS ANALYSIS	11/30/94		
T2D-95-132	KEY				1.1.1.2.4.2	PHYSICAL PROPERTIES: TRANSFER RADIATION SCREENING METHODOLOGY	12/31/94		
T2D-95-133	KEY				1.1.1.2.4.2	PREPARE INTEGRATED HOT CELL TECHNOLOGY DEVELOPMENT SCHEDULE	9/30/95		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2D-95-134	KEY				1.1.1.2.4.2	ESTABLISH STRATEGY FOR HOT CELL TECHNOLOGY DEVELOPMENT	3/1/95		
T2D-95-135	MAJOR-RL				1.1.1.2.4.3	COLLECT ROTARY AND PUSH MODE CORE SAMPLES FROM HIGH LEVEL WASTE TANKS	9/28/95		
T2D-95-136	MAJOR-RL				1.1.1.2.4.3	COLLECT AUGER SAMPLES FROM HIGH LEVEL WASTE TANKS	9/28/95		
T2D-95-137	MAJOR-RL				1.1.1.2.4.3	COLLECT VAPOR SAMPLES FROM HIGH LEVEL WASTE TANKS	9/29/95		
T2D-95-138	MAJOR-RL				1.1.1.2.4.3	COLLECT GRAB SUPERNATE AND SLUDGE SAMPLES FROM HIGH LEVEL WASTE TANKS	9/29/95		
T2D-95-139	MAJOR-RL		5.14		1.1.1.2.4.3	2 PAS-1 TRANSFER CASKS READY FOR USE	1/31/95		
T2D-95-140	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 216 DAY VALIDATED DATA REPORT FROM EACH SAMPLING EVENT SPECIFIC TO THE DISPOSAL RELATED DQO'S	9/30/95		
T2D-95-141	MAJOR-RL				1.1.1.2.4.4	TANSMIT DATA REPORTS AND COMPLETE EMERGENCY NOTIFICATIONS PER REQUIREMENTS OF TANK CHARACTERIZATION PLAN OR LETTER OF INSTRUCTION	9/30/95		
T2D-95-142	MAJOR-RL		5/12		1.1.1.2.4.4	COMPLETE UPGRADES OF INEL LABORATORY TO READ-TO-SERVE MODE FOR CHARACTERIZATION SUPPORT	10/31/94		
T2D-95-143	KEY				1.1.1.2.4.4	COMPLETE ENOVATION FOR ICPMS/AA INSTALLATION, SAMPLE PREPARATION AND SAMPLE RECEIVING ROOMS IN THE 222-S FACILITY	9/30/95		
T2D-95-144	KEY				1.1.1.2.4.4	COMPLETE LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS) DEVELOPMENT ACTIVITY	9/30/95		
T2D-95-146	KEY				1.1.1.2.4.4	COMPLETION OF THE SHIELDED INDUCTIVELY COUPLED PLASMA (ICP) INSTALLATION	9/30/95		
T2D-95-147	KEY				1.1.1.2.4.4	COMPLETION OF THE SHIELDED ANALYTICAL LABORATORY OPERATION AND REAR GALLERIES	9/30/95		
T2D-95-148	KEY				1.1.1.2.4.4	COMPLETION OF HIGH LEVEL RADIOCHEMISTRY FACILITY (HLRF) CLEANOUT AND REFURBISHING OF "A-CELL"	5/1/95		

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WESTINGHOUSE NORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2D-95-149	KEY				1.1.1.2.4.4	COMPLETE VAPOR HEADSPACE SAMPLE ANALYSIS FOR ALL FERROCYANIDE WATCH LIST TANKS (ORNL)	4/30/95		
T2D-95-150	KEY				1.1.1.2.4.4	COMPLETE VAPOR HEADSPACE SAMPLE ANALYSIS FOR ALL FERROCYANIDE WATCH LIST TANKS (PNL)	4/30/95		
T2D-95-153	MAJOR-RL		3.18		1.1.1.2.4.2	DEVELOP MEANS FOR MEASURING COMPLETE SAMPLE RECOVER (DNFSB 3.18)	1/31/95		
T2D-95-154	MAJOR-RL		1.10		1.1.1.2.4.1	ISSUE QUARTERLY PROGRESS REPORTS (DNFSB 1.10)	9/30/95		
T2D-96-100	TPA-I	M-44-01C			1.1.1.2.4.5	SUBMIT A DRAFT COPY OF THE TWRS TANK WASTE ANALYSIS PLANS & TANK CHARACTERIZATION PLANS REVISIONS, UPDATES & ADDITIONS ANNUALLY TO ECOLOGY & EPA (M-44-01C)	5/31/96		
T2D-96-101	TPA-I	M-44-02C			1.1.1.2.4.5	SUBMIT TWAP ANNUALLY TO ECOLOGY & EPA FOR APPROVAL. THE TWAP WILL COVER SAFETY, RETRIEVAL, PRETREATMENT & OTHER PROCESSING NEEDS. THE TWAP WILL IDENTIFY SAMPLING & ANALYSIS ACTIVITIES PROJECTED FOR THE THE FOLLOWING FISCAL YEAR (M-44-02C)	8/31/96		
T2D-96-102	TPA-I	M-44-09			1.1.1.2.4.5	ISSUE 40 TCR'S IN ACCORDANCE WITH THE APPROVED TCP'S. COMPLETE INPUT OF CHARACTERIZATION INFORMATION FOR 40 HLW TANKS TO ELECTRONIC DATABASE (M-44-09)	9/30/96		
T2D-96-103	KEY				1.1.1.2.4.5	UPDATE TANK CHARACTERIZATION TECHNICAL BASIS	7/1/96		
T2D-96-104	KEY				1.1.1.2.4.5	APPLICATION OF QUANTITATIVE TANK LAYDOWN MODEL TO ALL TANKS	9/30/96		
T2D-96-105	KEY				1.1.1.2.4.5	PERFORM COMPLETE ITERATION OF WASTE INVENTORIES	3/31/96		
T2D-96-107	KEY				1.1.1.2.4.5	DEVELOP TANK GROUPING AND SORTING MODELS	7/31/96		
T2D-96-108	KEY				1.1.1.2.4.5	DEVELOP QUANTITATIVE TANK LAYDOWN MODEL	7/31/96		
T2D-96-110	KEY				1.1.1.2.4.4	COMPLETE PHASE IV, V AND VI OF THE SAMPLE EXCHANGE EVALUATION PROGRAM	9/15/96		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2D-96-111	MAJOR-RL				1.1.1.2.4.4	COMPLETE SAMPLING AND ANALYSIS OF ALL NON WATCHLIST TANKS PER THE DATA QUALITY OBJECTIVES	9/30/96		
T2D-96-112	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 45 DATA REPORT FOR ALL SAMPLING EVENTS BASED ON SAFETY SCREENING DQO'S AS IDENTIFIED IN THE TANK SPECIFIC TANK CHARACTERIZATION PLANS	9/30/96		
T2D-96-113	MAJOR-RL				1.1.1.2.4.3	COLLECT ROTARY AND PUSH MODE CORE SAMPLES FROM HIGH LEVEL WASTE TANKS	9/26/96		
T2D-96-114	MAJOR-RL				1.1.1.2.4.3	COLLECT AUGER SAMPLES FROM HIGH LEVEL WASTE TANKS	9/26/96		
T2D-96-115	MAJOR-RL				1.1.1.2.4.3	COLLECT VAPOR SAMPLES FROM HIGH LEVEL WASTE TANKS	9/26/96		
T2D-96-116	MAJOR-RL				1.1.1.2.4.3	COLLECT GRAB SUPERNATE AND SLUDGE SAMPLES FROM HIGH LEVEL WASTE TANKS	9/26/96		
T2D-96-119	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 216 DATA VALIDATED DATA REPORT FOR ALL SAMPLING EVENTS BASED ON SAFETY RESOLUTION DQO'S AS IDENTIFIED IN THE TANK SPECIFIC TANK CHARACTERIZATION PLANS	9/30/96		
T2D-96-121	MAJOR-RL				1.1.1.2.4.4	ANALYTICAL DATA PACKAGES FROM EACH SAMPLING EVENT WITHIN 136 DAYS SPECIFIC TO THE COMPATABILITY DQO	9/30/96		
T2D-96-122	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 172 DAY VALIDATED DATA REPORT FROM EACH SAMPLING EVENT SPECIFIC TO OPERATIONS RELATED DQO'S	9/30/96		
T2D-96-123	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 216 DAY VALIDATED DATA REPORT FROM EACH SAMPLING EVENT SPECIFIC TO DISPOSAL RELATED DQO'S	9/30/96		
T2D-96-124	KEY				1.1.1.2.4.4	TANSMIT DATA REPORTS AND COMPLETE EMERGENCY NOTIFICATIONS PER REQUIREMENTS OF TANK CHARACTERIZATION PLAN OR LETTER OF INSTRUCTION	9/30/96		
T2D-96-126	KEY				1.1.1.2.4.4	CONTINUED IMPLEMENTATION OF LABCORE FEATURES AND FUNCTIONALITY IN SUPPORT OF TWRS CHARACTERIZATION PROGRAM	9/30/96		
T2D-96-127	KEY				1.1.1.2.4.4	COMPLETE RENOVATION OF ROOMS 4C, 4H AND 4J IN THE 222-S FACILITY	9/30/96		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2D-96-128	MAJOR-RL		5.2		1.1.1.2.4.4	CLEANOUT AND REFURBISH "B-CELL" AND THE HIGH LEVEL RADIOCHEMISTRY FACILITY (HLRF) "A-COMPLEX"	9/30/96		
T2D-96-129	KEY				1.1.1.2.4.4	COMPLETION OF THE 325 LABORATORY UPGRADES	9/30/96		
T2D-96-130	KEY				1.1.1.2.4.4	COMPLETE VAPOR HEADSPACE SAMPLE ANALYSIS FOR ALL ORGANIC WATCH LIST TANKS (ORNL)	10/31/95		
T2D-96-131	KEY				1.1.1.2.4.4	COMPLETE VAPOR HEADSPACE SAMPLE ANALYSIS FOR ALL ORGANIC WATCH LIST TANKS (PNL)	10/31/95		
T2D-96-133	KEY				1.1.1.2.4.5	DEVELOP QUALITATIVE TANK LAYDOWN MODEL	1/15/96		
T2D-97-100	TPA-I	M-44-01D			1.1.1.2.4.5	SUBMIT A DRAFT COPY OF THE TWRS TANK WASTE ANALYSIS PLANS & TANK CHARACTERIZATION PLANS REVISIONS, UPDATES & ADDITIONS ANNUALLY TO ECOLOGY & EPA (M-4401D)	5/31/97		
T2D-97-101	TPA-I	M-44-02D			1.1.1.2.4.5	SUBMIT TWAP ANNUALLY TO ECOLOGY & EPA FOR APPROVAL. THE TWAP WILL COVER SAFETY, RETRIEVAL, PRETREATMENT & OTHER PROCESSING NEEDS. THE TWAP WILL IDENTIFY SAMPLING & ANALYSIS ACTIVITIES PROJECTED FOR THE THE FOLLOWING FISCAL YEAR (M-44-02D)	8/31/97		
T2D-97-102	TPA-I	M-44-10			1.1.1.2.4.5	ISSUE 40 TCR'S IN ACCORDANCE WITH THE APPROVED TCP'S. COMPLETE INPUT OF CHARACTERIZATION INFORMATION FOR 40 HLW TANKS TO ELECTRONIC DATABASE (M-44-10)	9/30/97		
T2D-97-103	KEY				1.1.1.2.4.5	UPDATE TANK CHARACTERIZATION TECHNICAL BASIS	7/1/97		
T2D-97-104	KEY				1.1.1.2.4.5	ARCHIVE LOS ALAMOS NATIONAL LABORATORY GENERATED HISTORICAL DATA ANALYSES	9/30/97		
T2D-97-105	KEY				1.1.1.2.4.4	COMPLETE PHASE VII AND VIII OF THE SAMPLE EXCHANGE EVALUATION PROGRAM	9/15/97		

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WESTINGHOUSE NFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2D-97-107	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 216 DAY VALIDATED DATA REPORT FOR ALL SAMPLING EVENTS BASED ON SAFETY RESOLUTION DQO'S AS IDENTIFIED IN THE TANK SPECIFIC TANK CHARACTERIZATION PLANS	9/30/97		
T2D-97-108	KEY				1.1.1.2.4.2	TRANSFER COMPLEXANT ANALYSES TECHNOLOGY AND IMPLEMENT IF VIABLE	10/31/96		
T2D-97-109	MAJOR-RL				1.1.1.2.4.3	COLLECT ROTARY MODE CORE SAMPLES FROM HIGH LEVEL WASTE TANKS	9/25/97		
T2D-97-110	MAJOR-RL				1.1.1.2.4.3	COLLECT VAPOR SAMPLES FROM HIGH LEVEL WASTE TANKS	9/25/97		
T2D-97-112	MAJOR-RL				1.1.1.2.4.4	TRANSMIT A 216 DAY VALIDATED DATA REPORT FROM EACH SAMPLING EVENT SPECIFIC TO THE DISPOSAL RELATED DQO'S	9/30/97		
T2D-97-114	KEY				1.1.1.2.4.5	APPLY QUANTITATIVE LAYDOWN MODEL TO ALL TANKS & PREPARE TANK NARRATIVES FOR HISTORICAL TANK CONTENT ESTIMATES (HTCE'S)	3/31/97		

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WESTINGHOUSE INFLORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.2.5									
T2E-95-100	TPA-T	M-45-07-T01			1.1.1.2.5	ESTABLISH PERFORMANCE CRITERIA AND TEST SPECIFICATIONS (M-45-07-T01)	3/31/95		
T2E-95-101	TPA-I	M-45-07B			1.1.1.2.5	REACH DECISION ON WHETHER TO PROCEED WITH DEMONSTRATION (M-45-07B)	1/31/95		
T2E-95-102	MAJOR-RL				1.1.1.2.5	W-151 FP CONSTRUCTION COMPLETE	9/29/95		
T2E-95-105	MAJOR-RL				1.1.1.2.5	VENDOR SPECIFICATION/RFP COMPLETE	6/30/95		
T2E-95-108	MAJOR-RL				1.1.1.2.5	INITIATE LONG LEAD PROCUREMENT FOR TANK 241-SY-101 WASTE RETRIEVAL SYSTEM	7/31/95		
T2E-95-120	KEY				1.1.1.2.5	DOCUMENT 1/12 SCALE UNIFORMITY TESTING	3/30/95		
T2E-95-121	KEY				1.1.1.2.5	SUBMIT SST CLOSURE WORK PLAN TO ECOLOGY FOR REVIEW	5/1/95		
T2E-95-123	KEY				1.1.1.2.5	FY96 WASTE RETRIEVAL MYWP SUBMITTAL	8/31/95		
T2E-95-124	KEY				1.1.1.2.5	FY97 WASTE RETRIEVAL ADS SUBMITTAL	4/15/95		
T2E-95-125	KEY				1.1.1.2.5	ISSUE LEAK DETECTION AND MONITORING (LDM) APPROACH DOCUMENT	10/18/94		
T2E-95-126	MAJOR-RL				1.1.1.2.5	COMPLETE DEFINITIVE DESIGN (TITLE II) FOR PROJECT W-320 106-C SLUCING DEMO	7/31/95		
T2E-95-127	MAJOR-RL				1.1.1.2.5	COMPLETE EVALUATION OF WERC ALTERNATE TECHNOLOGY REPORTS	6/30/95		
T2E-95-128	KEY				1.1.1.2.5	ISSUE FY95 TRADE STUDIES & REQUIRED ANALYSIS WORKSCOPE	10/31/94		
T2E-95-129	KEY				1.1.1.2.5	ISSUE TANK WASTE RETRIEVAL STRATEGY DETERMINATION	1/31/95		
T2E-95-130	KEY				1.1.1.2.5	ISSUE TWRS EXCESS FACILITIES INTERFACE REQUIREMENTS DETERMINATION	8/30/95		
T2E-95-131	KEY				1.1.1.2.5	ISSUE TWRS RECYCLE/REUSE CONCEPT DETERMINATION	8/30/95		
T2E-95-132	KEY				1.1.1.2.5	ISSUE PRELIMINARY PROGRAM RISK ASSESSMENT	9/29/95		
T2E-95-240	KEY				1.1.1.2.5	INITIATE TITLE I DESIGN FOR 101-SY W-211 WASTE RETRIEVAL SYSTEM	2/28/95		
T2E-96-100	TPA-T	M-45-07-T02			1.1.1.2.5	INITIATE DEMONSTRATION TESTING OF SELECTED SUBSURFACE BARRIER TECHNOLOGIES (M-45-07-T02)	10/31/95		

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WESTINGHOUSE NORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2E-96-101	TPA-I	M-45-02A			1.1.1.2.5	SUBMIT INITIAL SST RETRIEVAL SEQUENCE DOCUMENT FOR ECOLOGY APPROVAL (M-45-02A)	9/30/96		
T2E-96-102	MAJOR-RL				1.1.1.2.5	W-151- ORR/STARTUP COMPLETE	9/30/96		
T2E-96-104	MAJOR-RL				1.1.1.2.5	W-340 PSEL COMPLETE	12/29/95		
T2E-96-105	MAJOR-RL				1.1.1.2.5	COMPLETE THE SAFETY ASESMENT FOR W-211	1/31/96		
T2E-96-106	MAJOR-RL				1.1.1.2.5	SUBMIT TITLE I DESIGN REPORT TO DOE FOR KEY DECISION 2 APPROVAL FOR W-211	9/30/96		
T2E-96-108	MAJOR-RL				1.1.1.2.5	COMPLETE RCRA PERMITTING FOR W-211	6/28/96		
T2E-96-120	KEY				1.1.1.2.5	DOCUMENT INSTRUMENTATION AND CONTROL STRATEGY FOR DST RETRIEVAL OPERATIONS	5/30/96		
T2E-96-122	KEY				1.1.1.2.5	RELEASE SST CLOSURE WORK PLAN (DOE-RL 89-16, REV 1)	1/31/96		
T2E-96-123	MAJOR-RL				1.1.1.2.5	ISSUE FY96 WASTE RETRIEVAL STRATEGY PLAN	1/31/96		
T2E-96-124	KEY				1.1.1.2.5	FY98 WASTE RETRIEVAL ADS SUBMITTAL	4/15/96		
T2E-96-125	KEY				1.1.1.2.5	FY97 WASTE RETRIEVAL MYWP SUBMITTAL	8/30/96		
T2E-96-126	KEY				1.1.1.2.5	ISSUE UPDATE OF LDM EVALUATION TOOL	9/29/96		
T2E-96-127	KEY				1.1.1.2.5	ISSUE TANK WASTE TRANSFER MECHANISM DETERMINATION	1/31/96		
T2E-96-128	KEY				1.1.1.2.5	ISSUE THE SST RETRIEVAL TECHNICAL REQUIREMENT	9/30/96		
T2E-96-129	KEY				1.1.1.2.5	COMPLETE PROJECT W-211 TITLE II DESIGN FOR TANK 241-SY-101	5/31/96		
T2E-97-100	TPA-I	M-45-07			1.1.1.2.5	COMPLETE EVALUATION & DEMONSTRATION TESTING OF SMALL SCALE SUB-SURFACE BARRIERS (M-45-07)	9/30/97		
T2E-97-101	TPA-T	M-45-07-T03			1.1.1.2.5	COMPLETE EVALUATION OF SUB-SURFACE BARRIER DEMONSTRATION TEST RESULTS (M-45-07-T03)	3/31/97		
T2E-97-102	TPA-T	M-45-07-T04			1.1.1.2.5	REACH DECISION ON WHETHER TO PROCEED WITH SUB-SURFACE BARRIER PROGRAM (M-45-07-T04)	6/30/97		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T2E-97-103	TPA-I	M-45-07C			1.1.1.2.5	ESTABLISH NEW MILESTONES FOR SUB-SURFACE BARRIER IMPLEMENTATION (M-45-07C)	9/30/97		
T2E-97-104	TPA-I	M-45-02B			1.1.1.2.5	SUBMIT ANNUAL UPDATE OF SST RETRIEVAL SEQUENCE DOCUMENT FOR ECOLOGY APPROVAL (M-45-02B)	9/30/97		
T2E-97-105	TPA-I	M-45-04A			1.1.1.2.5	COMPLETE CONCEPTUAL DESIGN FOR THE INITIAL SST RETRIEVAL SYSTEMS (M-45-04A)	4/30/97		
T2E-97-107	KEY				1.1.1.2.5	SALT CAKE SAMPLER FINAL F&R FOR THE PILOT SCALE RETRIEVAL SYSTEM	12/31/96		
T2E-97-108	MAJOR-HQ				1.1.1.2.5	W-340 ADVANCED CONCEPTUAL DESIGN COMPLETE	12/31/96		
T2E-97-109	MAJOR-RL				1.1.1.2.5	SUBMIT TITLE II DESIGN PACKAGE TO DOE FOR KEY DECISION 3 APPROVAL FOR W-211	12/31/96		
T2E-97-110	KEY				1.1.1.2.5	INITATE CONSTRUCTION ON 101-SY W-211 WASTE RETRIEVAL SYSTEM	1/2/97		
T2E-97-120	KEY				1.1.1.2.5	ISSUE RECOMMENDATION FOR MIXER PUMP DEPLOYMENT IN DST'S WITH SHALLOW SLUDGES	9/30/97		
T2E-97-122	MAJOR-RL				1.1.1.2.5	ISSUE FY97 WASTE RETRIEVAL STRATEGY PLAN	1/31/97		
T2E-97-123	KEY				1.1.1.2.5	FY99 WASTE RETRIEVAL ADS SUBMITTAL	4/15/97		
T2E-97-124	KEY				1.1.1.2.5	FY98 WASTE RETRIEVAL MYWP SUBMITTAL	8/29/97		
T2E-97-125	KEY				1.1.1.2.5	ISSUE THE DST RETRIEVAL TECHNICAL REQUIREMENT	9/30/96		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.3.1									
T3A-95-100	TPA-T	M-50-01-T01			1.1.1.3.1.4	ISSUE REPORTS ON CESIUM REMOVAL PERFORMANCE OF RESORCINOL AND CS-100 RESINS ON MULTIPLE FEEDS (M-50-01-T01)	12/30/94		
T3A-95-101	TPA-T	M-50-03-T01			1.1.1.3.1.4	ISSUE REPORT ON CURRENT STATUS OF TANK WASTE ENHANCED SLUDE WASHING (M-50-03-T01)	10/31/94		
T3A-95-102	TPA-T	M-50-03-T02A			1.1.1.3.1.4	SUBMIT A REPORT SUMMARIZING THE TESTING OF ENHANCED SLUDE WASHING & RELATED TANK WASTE SLUDE PRETREATMENT METHODS FOR SAMPLES OF TANK WASTE SLUDE (M-50-03-T02A)	9/30/95		
T3A-95-103	KEY				1.1.1.3.1.5	EVALUATE TDPO AND ESIPI (EM-50) RESULTS FOR SR, TRU, TC SPECIATION	9/29/95		
T3A-95-104	KEY				1.1.1.3.1.5	COMPLETE LAB AUTOMATION AS REQUIRED IN FY 1995 PLAN	9/29/95		
T3A-95-105	KEY				1.1.1.3.1.5	EVALUATE COLD TESTING RESULTS FOR S/L SEPARATION AND POLISHING FILTRATION TESTS	9/30/95		
T3A-95-106	KEY				1.1.1.3.1.5	REPORT ON VENDOR TESTING FOR S/L SEPARATION AND POLISHING FILTRATION SIMULANT	7/31/95		
T3A-95-107	KEY				1.1.1.3.1.5	EVALUATION OF TDPO FIRST QUARTER ACTIVITIES TO SUPPORT OTHER SEPARATION REQUIREMENTS	2/28/95		
T3A-95-108	KEY				1.1.1.3.1.5	REPORT ON VENDOR TESTING OF S/L SEPARATION EQUIPMENT	7/31/95		
T3A-95-109	KEY				1.1.1.3.1.5	DEVELOP SLUDGE AND SUPERNATANTS FOR VENDOR TESTING OF S/L SEPARATIONS EQUIPMENT	1/31/95		
T3A-95-110	KEY				1.1.1.3.1.5	REPORT ON VENDOR TESTING OF POLISHING FILTERS	7/31/95		
T3A-95-111	KEY				1.1.1.3.1.5	DELIVERY OF SAMPLE TRUCK ON SITE	9/29/95		
T3A-95-112	MAJOR-RL				1.1.1.3.1.4	DEVELOP DECISION BASIS TO EVALUATE REQUIREMENT FOR ADVANCED SLUDGE SEPARATION PROCESSES	9/30/95		
T3A-95-116	KEY				1.1.1.3.1.5	ISSUE 30% CONCEPTUAL DESIGN REVIEW PACKAGE	2/28/95		

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WESTINGHOUSE NORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3A-95-117	KEY				1.1.1.3.1.5	ISSUE APPROVED PROJECT SPECIFIC TRAINING PLAN	2/28/95		
T3A-95-118	KEY				1.1.1.3.1.5	FUNCTIONS & REQUIREMENTS DOCUMENT FOR OTHER SEPERATIONS COMPLETED	3/29/95		
T3A-95-119	KEY				1.1.1.3.1.1	ISSUE WASTE PRETREATMENT FACILITY OPERATIONS COSTS STUDY	4/28/95		
T3A-95-120	KEY				1.1.1.3.1.5	COMPLETE THE 30% CONCEPTUAL DESIGN REVIEW	3/31/95		
T3A-95-121	KEY				1.1.1.3.1.5	COMPLETE RESOLUTION OF 30% DESIGN REVIEW COMMENTS	3/31/95		
T3A-95-124	KEY				1.1.1.3.1.1	COMPLETE PRETREATMENT INPUT TO THE FY 1997 ACTIVITY DATA SHEET (ADS) BUDGET SUBMITTAL	6/30/95		
T3A-95-126	KEY				1.1.1.3.1.2	DELIVERY OF THE ENGINEERED FORM OF CRYSTALLINE SILICOTITANATE (CST) TO PNL	6/30/95		
T3A-95-127	KEY				1.1.1.3.1.5	ISSUE 60% CONCEPTUAL DESIGN REVIEW PACKAGE	7/31/95		
T3A-95-128	KEY				1.1.1.3.1.1	COMPLETE WASTE PRETREATMENT INPUT TO THE FY 1996 MULTI-YEAR WORK PLAN	8/30/95		
T3A-95-129	KEY				1.1.1.3.1.5	COMPLETE RESOLUTION OF 60% DESIGN REVIEW COMMENTS	8/31/95		
T3A-95-130	KEY				1.1.1.3.1.5	COMPLETE THE LLW PRETREATMENT 60% CONCEPTUAL DESIGN REVIEW	8/31/95		
T3A-95-131	KEY				1.1.1.3.1.2	LABORATORY SETTLING TESTS OF 106-C SLUDGE	9/29/95		
T3A-95-132	KEY				1.1.1.3.1.2	FY 1995 SLUDGE WASHING/ALKALINE LEACH TESTS CONDUCTED AT PNL	9/29/95		
T3A-95-133	KEY				1.1.1.3.1.2	FY 1995 SLUDGE WASHING/ALKALINE LEACH TESTS CONDUCTED AT LANL	9/29/95		
T3A-95-134	KEY				1.1.1.3.1.5	COMPLETE DESIGN OF 1-I IX HOT TESTING UNIT	9/29/95		
T3A-95-135	KEY				1.1.1.3.1.2	REPORT ON FY 1994/FY 1995 SLUDGE DISSOLUTION STUDIES	9/29/95		
T3A-95-136	MAJOR-RL				1.1.1.3.1.4	DETERMINE WASTE PROCESSING STRATEGY (SUPPORTS 4.2.2/4.2.2.1)	9/1/95		
T3A-95-137	MAJOR-RL				1.1.1.3.1.4	WHITE PAPER DOCUMENTING TRADE STUDY FOR 4.2.3, MANAGE SYSTEM GENERATED WASTE & EXCESS FACILITIES	3/3/95		

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WESTINGHOUSE LANSFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3A-95-139	MAJOR-RL				1.1.1.3.1.4	PRELIMINARY RETRIEVAL SEQUENCE REPORT	9/29/95		
T3A-95-140	KEY				1.1.1.3.1.4	PROTOTYPE DECISION MODEL	6/1/95		
T3A-95-141	KEY				1.1.1.3.1.4	DETERMINE WASTE CONCENTRATION MECHANISM (4.2.1.5)	6/1/95		
T3A-95-142	KEY				1.1.1.3.1.4	SELECT SUPERNATE PRETREATMENT FACILITY CONCEPT (4.2.2.1.1)	3/1/95		
T3A-95-143	KEY				1.1.1.3.1.4	DETERMINE LIQUID EFFLUENT TREATMENT CONCEPT (4.2.3.3)	1/31/95		
T3A-95-144	KEY				1.1.1.3.1.4	IDENTIFY TWRS TECHNOLOGY NEEDS FOR FY 1996	5/30/95		
T3A-95-145	KEY				1.1.1.3.1.4	ISSUE LLW PRETREATMENT F&R DOCUMENT UPDATE	2/15/95		
T3A-95-146	KEY				1.1.1.3.1.4	COMPLETE DECANT AND FILL OF AZ-101	12/30/94		
T3A-95-147	KEY				1.1.1.3.1.5	REPORT ON WASTE ANALYSIS AND SIMULANTS DEVELOPMENT	1/31/95		
T3A-95-148	KEY				1.1.1.3.1.4	ISSUE A TIME-PHASED RETIEVAL FLOWSHEET FOCUSING ON FEED VARIABILITY	12/30/94		
T3A-95-149	MAJOR-RL				1.1.1.3.1.4	COMPLETE FUNCTIONS& REQUIREMENTS FOR HLW PRETREATMENT FACILITY	5/15/95		
T3A-95-150	MAJOR-RL				1.1.1.3.1.5	ISSUE REPORT ON NEED FOR HOT PILOT PLANT	10/31/94		
T3A-95-151	MAJOR-RL				1.1.1.3.1.5	ISSUE REPORT ON FACILITY ASSESSMENT FOR LLW PRETREATMENT HOT PILOT PLANT(S)	12/30/94		
T3A-95-152	KEY				1.1.1.3.1.5	F&R DOCUMENT FOR 1-L IX HOT TEST UNIT COMPLETED	12/30/95		
T3A-96-100	TPA-T	M-50-03-T02B			1.1.1.3.1.4	SUBMIT A REPORT SUMMARIZING THE TESTING OF ENHANCED SLUDE WASHING & RELATED TANK WASTE SLUDE PRETREATMENT METHODS FOR SAMPLES OF TANK WASTE SLUDE (M-50-03-T02B)	9/30/96		
T3A-96-101	KEY				1.1.1.3.1.5	PREPARE EVALUATION OF RESIN SELECTION INFORMATION	11/30/95		
T3A-96-102	KEY				1.1.1.3.1.5	RESIN SELECTION AND ORGANIC FOULING DETERMINATION	11/27/95		
T3A-96-103	KEY				1.1.1.3.1.5	REPORT ON CS IX RESIN TESTING	11/30/95		

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WESTINGHOUSE FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3A-96-104	KEY				1.1.1.3.1.5	COMPLETE CS IX RESIN SELECTION	3/29/96		
T3A-96-105	KEY				1.1.1.3.1.5	COMPLETE SRTC EVALUATION OF CST, CS-100, R-F RESIN	3/29/96		
T3A-96-106	KEY				1.1.1.3.1.5	REPORT ON RESULTS OF SRTC SKID UNIT TESTING OF CS-100, R-F, AND CST RESIN	3/29/96		
T3A-96-107	KEY				1.1.1.3.1.5	COMPLETE FABRICATION OF TRU MONITOR AND TEST EQUIPMENT	9/30/96		
T3A-96-108	KEY				1.1.1.3.1.5	EVALUATION OF POLISHING FILTERS FOR NCAW SUPERNATANT SIMULANT	9/30/96		
T3A-96-109	KEY				1.1.1.3.1.5	EVALUATION OF S/L SEPARATION EQUIPMENT FOR NCAW AND 106-C SIMULANTS	9/30/96		
T3A-96-110	MAJOR-RL				1.1.1.3.1.4	PRELIMINARY RECOMMENDATION OF REQUIREMENT FOR ADVANCED SLUDGE SEPARATION PROCESSES	9/30/96		
T3A-96-112	KEY				1.1.1.3.1.5	ISSUE A/E APPROVED CONCEPTUAL DESIGN PACKAGE	1/31/96		
T3A-96-114	KEY				1.1.1.3.1.5	COMPLETE RESOLUTION OF 90% DESIGN REVIEW COMMENTS	2/28/96		
T3A-96-115	KEY				1.1.1.3.1.5	COMPLETE PRELIMINARY SAFETY EVALUATION (W-236B)	2/28/96		
T3A-96-116	KEY				1.1.1.3.1.5	COMPLETE THE 90% CONCEPTUAL DESIGN REVIEW	2/28/96		
T3A-96-117	KEY				1.1.1.3.1.5	COMPLETE SAFETY MANAGEMENT PLAN (W-236B)	2/3/96		
T3A-96-118	MAJOR-RL				1.1.1.3.1.5	ISSUE THE IPM QUALITY ASSURANCE PROGRAM PLAN (QAPP)	3/31/96		
T3A-96-119	KEY				1.1.1.3.1.1	COMPLETE PRETREATMENT INPUT TO THE FY 1998 ACTIVITY DATA SHEET (ADS) BUDGET SUBMITTAL	6/28/96		
T3A-96-120	KEY				1.1.1.3.1.1	COMPLETE WASTE PRETREATMENT INPUT TO THE FY 1997 MULTI-YEAR WORK PLAN	8/30/96		
T3A-96-121	MAJOR-RL				1.1.1.3.1.4	PRETREAT SLUDGES/SOLIDS FUNCTION & REQUIREMENTS	8/1/96		
T3A-96-122	MAJOR-RL				1.1.1.3.1.5	COMPLETE ADVANCED CONCEPTUAL DESIGN	9/27/96		
T3A-96-123	KEY				1.1.1.3.1.5	COMPLETE THE LLW PRETREATMENT ADVANCED CONCEPTUAL DESIGN REVIEW	9/30/96		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3A-96-124	KEY				1.1.1.3.1.5	PRODUCE THE LLW PRETREATMENT INTERFACE CONTROL PLAN (IFC)	9/30/96		
T3A-96-125	KEY				1.1.1.3.1.5	PRODUCE THE LLW PRETREATMENT PROJECT MANAGEMENT PLAN (PMP)	9/30/96		
T3A-96-126	KEY				1.1.1.3.1.5	PRODUCE THE LLW PRETREATMENT PROJECT DESIGN CRITERIA (PDC)	9/30/96		
T3A-96-130	KEY				1.1.1.3.1.4	IDENTIFY TWRS TECHNOLOGY NEEDS FOR FY 1997	5/30/96		
T3A-96-131	KEY				1.1.1.3.1.4	ISSUE TWRS PROCESS FLOWSHEET, REV 2	8/30/96		
T3A-96-132	MAJOR-RL				1.1.1.3.1.4	RETRIEVAL SEQUENCE (A) SELECTED	4/3/96		
T3A-96-133	KEY				1.1.1.3.1.5	COMPLETE ALL CELL DECON, REPAIR, AND LIGHT INSTALLATION	12/29/95		
T3A-96-134	KEY				1.1.1.3.1.4	INITIATE AZ-101 SLUDGE WASHING PROCESS TEST	1/2/96		
T3A-96-135	KEY				1.1.1.3.1.5	DOWNSELECT OTHER RADIONUCLIDE SEPARATION PROCESS(ES)	9/30/96		
T3A-96-137	KEY				1.1.1.3.1.5	ISSUE 90% CONCEPTUAL DESIGN REVIEW PACKAGE	12/1/95		
T3A-96-140	KEY				1.1.1.3.1.4	DETERMINE WASTE PROCESSING STRATEGY (4.2.2./4.2.2.1) (UPDATE)	8/30/96		
T3A-97-100	TPA-T	M-50-01-T02			1.1.1.3.1.5	SUBMIT CONCEPTUAL DESIGN & INITIATE DEFINITIVE DESIGN OF LLW PRETREATMENT FACILITY (M-50-01-T02)	12/31/96		
T3A-97-101	TPA-T	M-50-03-T02C			1.1.1.3.1.4	SUBMIT A REPORT SUMMARIZING THE TESTING OF ENHANCED SLUDE WASHING & RELATED TANK WASTE SLUDE PRETREATMENT METHODS FOR SAMPLES OF TANK WASTE SLUDE (M-50-03-T02C)	9/30/97		
T3A-97-102	KEY				1.1.1.3.1.5	COMPLETE DESIGN OF HOT TESTING UNIT FOR OTHER SEPARATIONS	12/31/96		
T3A-97-103	KEY				1.1.1.3.1.5	EVALUATION OF POLISHING FILTERS FOR T-111 AND 102-C SUPERNATANT SIMULANT	9/30/97		
T3A-97-104	KEY				1.1.1.3.1.5	EVALUATION OF S/L SEPARATION EQUIPMENT FOR T-111 AND 102-C SIMULANTS	9/30/97		
T3A-97-105	MAJOR-RL				1.1.1.3.1.4	DRAFT RECOMMENDATION ON REQUIREMENTS FOR ADVANCED SLUDGE SEPARATION PROCESSES	9/30/97		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3A-97-106	KEY				1.1.1.3.1.1	COMPLETE PRETREATMENT INPUT TO THE FY 1999 ACTIVITY DATA SHEET (ADS) BUDGET SUBMITTAL	6/30/97		
T3A-97-107	MAJOR-RL				1.1.1.3.1.4	COMPLETE IN-TANK SLUDGE WASHING DEMONSTRATION IN TANK 241-AZ-101	7/31/97		
T3A-97-108	KEY				1.1.1.3.1.1	COMPLETE WASTE PRETREATMENT INPUT TO THE FY 1998 MULTI-YEAR WORK PLAN	8/29/97		
T3A-97-109	MAJOR-RL				1.1.1.3.1.4	UPDATE F&R FOR HLW PRETREATMENT FACILITY	8/1/97		
T3A-97-110	KEY				1.1.1.3.1.4	RETRIEVAL SEQUENCE (B) SELECTED	4/3/97		
T3A-97-111	KEY				1.1.1.3.1.4	DETERMINE WASTE PROCESSING STRATEGY (4.2.2./4.2.2.1) (UPDATE)	8/29/97		

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TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.3.2									
T3B-95-101	KEY				1.1.1.3.2.1	COMPLETE MYPP/BASELINE INPUT TO P3	2/3/95		
T3B-95-102	KEY				1.1.1.3.2.1	ISSUE WHC APPROVED LLW PROGRAM STRATEGY DOCUMENT	3/6/95		
T3B-95-103	MAJOR-RL				1.1.1.3.2.1	SUBMIT MYPP/BASELINE DOCUMENT TO RL	3/9/95		
T3B-95-104	MAJOR-RL				1.1.1.3.2.1	SUBMIT ADS 1230 TO RL	5/30/95		
T3B-95-105	MAJOR-RL				1.1.1.3.2.1	SUBMIT WORK PLAN TO RL FOR APPROVAL	7/31/95		
T3B-95-201	MAJOR-RL				1.1.1.3.2.2	PHASE II SIMULANT RECIPE	3/30/95		
T3B-95-202	MAJOR-RL				1.1.1.3.2.2	DEFINE PRELIMINARY REQUIREMENTS FOR PILOT SCALE VIT PLANT	7/30/95		
T3B-95-203	KEY				1.1.1.3.2.2	PHASE I VENDOR TEST REPORT	6/22/95		
T3B-95-204	KEY				1.1.1.3.2.2	START PHASE II VENDOR TEST PROCESS	7/27/95		
T3B-95-206	KEY				1.1.1.3.2.2	LETTER REPORT WITH PHASE II VENDOR GLASS FORMULATIONS	4/30/95		
T3B-95-207	KEY				1.1.1.3.2.2	MINOR COMPONENT SOLUBILITIES DATA PACKAGE	8/30/95		
T3B-95-208	MAJOR-RL				1.1.1.3.2.2	INITIAL GLASS FORMULATION DEVELOPMENT LETTER REPORT	9/30/95		
T3B-95-209	MAJOR-RL				1.1.1.3.2.2	LETTER REPORT EVALUATING MATRIX/PACKAGING OPTIONS	9/30/95		
T3B-95-210	KEY				1.1.1.3.2.2	DRAFT REPORT ON FY95 PROCESS CHEMISTRY INVESTIGATIONS	9/30/95		
T3B-95-211	KEY				1.1.1.3.2.2	LETTER REPORT ON SIMULANTS FOR PHASE II MELTER VENDOR TESTS	3/30/95		
T3B-95-212	MAJOR-RL				1.1.1.3.2.2	REVISED PILOT-SCALE VITRIFICATION FACILITY DESIGN STUDY	7/30/95		
T3B-95-213	KEY				1.1.1.3.2.2	REPORT ON METHODOLOGY AND HYDRAULIC PROPERTY MEASUREMENTS	9/30/95		
T3B-95-214	KEY				1.1.1.3.2.2	REPORT COMPARING RECHARGE MODEL PREDICTIONS WITH FIELD DATA	9/30/95		
T3B-95-215	MAJOR-RL				1.1.1.3.2.2	FINAL MELTER SELECTION CRITERIA	5/30/95		
T3B-95-216	MAJOR-RL				1.1.1.3.2.2	PHASE I MELTER SELECTION CRITERIA	12/15/94		
T3B-95-401	KEY				1.1.1.3.2.4	ISSUE UPDATED FACILITY OPTIONS CONFIGURATION STUDY	12/28/94		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3B-95-402	KEY				1.1.1.3.2.4	PERFORMANCE SCENARIOS FOR INTEIRM PA	1/30/95		
T3B-95-403	KEY				1.1.1.3.2.4	PERFORMANCE OBJECTIVES FOR INTERIM PA	1/27/95		
T3B-95-404	MAJOR-RL				1.1.1.3.2.4	ISSUE FUNCTIONS AND REQUIREMENTS DOCUMENT, REV 0	3/28/95		
T3B-95-405	KEY				1.1.1.3.2.4	ISSUE LLW FEED ACCEPTANCE CRITERIA DOCUMENT FOR WHC APPROVAL	1/27/95		
T3B-95-406	KEY				1.1.1.3.2.4	ISSUE TRADE STUDY FOR LLW PROCESS CONTROL	5/25/95		
T3B-95-407	KEY				1.1.1.3.2.4	DRAFT PRELIMINARY LLW TECHNICAL BASELINE DOCUMENT FOR REVIEW	6/27/95		
T3B-95-408	KEY				1.1.1.3.2.4	DRAFT TWRS COMPLEX SOIL BASELINE SAMPLING AND ANALYSIS PLAN	9/30/95		
T3B-95-409	KEY				1.1.1.3.2.4	TOTAL INVANTORY FOR INTERIM PA	6/22/95		
T3B-95-410	KEY				1.1.1.3.2.4	ISSUE LLW PROJECT MEDIA HANDLING MASTER PLAN	6/22/95		
T3B-95-411	KEY				1.1.1.3.2.4	ISSUE LLW QUEUING STUDY	5/25/95		
T3B-95-412	KEY				1.1.1.3.2.4	ISSUE PRELININARY LLW TECHNICAL BASELINE DOCUMENT	6/27/95		
T3B-95-413	KEY				1.1.1.3.2.4	ISSUE DISPOSAL SYSTEM DECISION ANALYSIS DOCUMENT	9/27/95		
T3B-95-414	MAJOR-RL				1.1.1.3.2.4	DRAFT TWRS COMPLEX SOIL BASELINE SAMPLING & ANALYSIS PLAN	6/30/95		
T3B-95-415	MAJOR-RL				1.1.1.3.2.4	SUBMIT TOTAL INVENTORY FOR INTERIM PA	7/31/95		
T3B-95-416	KEY				1.1.1.3.2.4	PREPARE LLW DISPOSAL OPTIONS CONFIGURATION STUDY REPORT	1/15/95		
T3B-95-417	MAJOR-RL				1.1.1.3.2.4	SUBMIT LLW DISPOSAL OPTIONS CONFIGURATION STUDY REPORT	3/1/95		
T3B-95-418	KEY				1.1.1.3.2.4	ISSUE DISPOSAL SYSTEM DECISION ANALYSIS DOCUMENT	9/30/95		
T3B-95-419	MAJOR-RL				1.1.1.3.2.4	ISSUE LLW DISPOSAL SYSTEM DECISION DOCUMENT	9/30/95		
T3B-95-420	MAJOR-RL				1.1.1.3.2.4	ISSUE DESIGN REQUIREMENTS BASELINE DOCUMENT, REV. 0	3/31/95		

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WESTINGHOUSE INFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3B-95-421	KEY				1.1.1.3.2.4	SUBMIT FIRST DRAFT LLW DESIGN REQUIREMENTS BASELINE DOCUMENT, REV. 0, FOR INTERNAL REVIEW	2/14/95		
T3B-95-422	KEY				1.1.1.3.2.4	SUBMIT SECOND DRAFT LLW DESIGN REQUIREMENTS BASELINE DOCUMENT, REV. 0, FOR FINAL REVIEW	4/15/95		
T3B-95-501	KEY				1.1.1.3.2.5	START CONCEPTUAL DESIGN	3/20/95		
T3B-95-502	KEY				1.1.1.3.2.5	LETTER CONTRACT FOR ARCHITECT-ENGINEER/CONSTRUCTION MANAGEMENT SUBMITTAL TO DOE FOR APPROVAL	2/28/95		
T3B-95-503	MAJOR-RL				1.1.1.3.2.5	ARCHITECT-ENGINEER/CONSTRUCTION MANAGER LETTER CONTRACT APPROVED BY DOE	3/16/95		
T3B-95-611	MAJOR-RL				1.1.1.3.2.6	FAILED AP-102 MIXER PUMP REMOVAL	6/30/95		
T3B-95-612	MAJOR-RL				1.1.1.3.2.6	DOE-RL FSAR COMMENTS - CLOSURE	3/31/95		
T3B-96-100	TPA-I	M-60-02			1.1.1.3.2.2	COMPLETE MELTER FEASIBILITY AND SYSTEM OPERABILITY TESTS, SELECT REFERENCE MELETER(S) & ESTABLISH REFERENCE LLW GLASS FORMULATION WHICH MEETS COMPLETE SYSTEM REQUIREMENTS (M-60-02)	6/30/96		
T3B-96-201	KEY				1.1.1.3.2.2	PHASE II MELTER TEST REPORT	7/1/96		
T3B-96-202	KEY				1.1.1.3.2.2	REPORT ON FY94 SMALL-SCALE MELTER TEST	11/30/95		
T3B-96-301	KEY				1.1.1.3.2.3	PREPARE ORR ROLES AND RESPONSIBILITIES DEFINITION DOCUMENT	9/30/96		
T3B-96-401	MAJOR-HQ				1.1.1.3.2.4	SUBMIT DATA PACKAGE TO RL FOR LLW CLASSIFICATION BY THE NRC	11/30/95		
T3B-96-501	MAJOR-HQ				1.1.1.3.2.5	KEY DECISION 1 & 2, INITATE TITLE I/II DESIGN OF THE LLW VITRIFICATION PLANT	9/25/96		
T3B-96-502	KEY				1.1.1.3.2.5	START LLW VITRIFICATION PLANT ADVANCED CONCEPTUAL DESIGN	3/1/96		
T3B-96-503	KEY				1.1.1.3.2.5	REQUEST SUPPORTING DOCUMENTATION FOR KEY DECISION 1 & 2	7/27/96		
T3B-96-607	KEY				1.1.1.3.2.6	COMPLETE EQUIPMENT TRANSFER ACTIVITIES FOR FY96	9/30/96		

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WESTINGHOUSE INFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3B-97-100	TPA-I	M-60-03			1.1.1.3.2.5	SUBMIT CONCEPTUAL DESIGN AND INITIATE DEFINITIVE DESIGN OF THE LLW VITRIFICATION FACILITY (M-60-03)	11/30/96		
T3B-97-301	KEY				1.1.1.3.2.3	PREPARE STAFFING AND TRAINING PLAN	9/30/97		
T3B-97-501	MAJOR-HQ				1.1.1.3.2.5	KEY DECISION 3, INITIATE CONSTRUCTION OF LLW VITRIFICATION PLANT PROJECT	9/26/97		
T3B-97-503	MAJOR-RL				1.1.1.3.2.5	ISSUE LLW VITRIFICATION PLANT PROJECT PRELIMINARY SAFETY ANALYSIS REPORT - REV 0	9/26/97		
T3B-97-504	KEY				1.1.1.3.2.5	REQUEST SUPPORTING DOCUMENTATION FOR KEY DECISION 3	7/27/97		
T3B-97-505	MAJOR-RL				1.1.1.3.2.5	ISSUE LLW VITRIFICATION PLANT PROJECT PRELIMINARY SAFETY ANALYSIS REPORT, REV 0	9/26/97		

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WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Print Date 9/28/94

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
WBS: 1.1.1.3.3									
T3C-95-100	TPA-I	M-51-01			1.1.1.3.3.4	PROVIDE REPORT TO ECOLOGY & EPA ON EVALUATION OF ALTERNATIVE CONCEPTS FOR TREATMENT AND DISPOSAL OF HIGH LEVEL HANFORD TANK WASTES (M-51-01)	12/31/94		
T3C-95-101	KEY				1.1.1.3.3.1	ISSUE UPDATED BASELINE TO DOE-RL	8/7/95		
T3C-95-102	KEY				1.1.1.3.3.4	ACTION PLAN FOR CESIUM/STRONTIUM CASUAL DISPOSAL	4/21/95		
T3C-95-103	KEY				1.1.1.3.3.2	ISSUE FINAL FY 1996-1998 PROJECT WORK PLAN	9/29/95		
T3C-95-104	KEY				1.1.1.3.3.4	FEED PROCESSABILITY ASSESSMENT REPORT	1/6/95		
T3C-95-106	KEY				1.1.1.3.3.1	ISSUE DATA PACKAGE - SMALL-SCALE STIRRED MELTER TEST RUN 1	2/2/95		
T3C-95-107	MAJOR-RL				1.1.1.3.3.4	ISSUE DRAFT PROCESS CONTROL RECOMMENDATION.	4/28/95		
T3C-95-108	KEY				1.1.1.3.3.2	FY96 TECHNOLOGY DEVELOPMENT REQUIREMENTS	5/5/95		
T3C-95-109	MAJOR-RL				1.1.1.3.3.2	ISSUE MELTER EVALUATION/ASSESSMENT FINAL REPORT	2/28/95		
T3C-95-110	KEY				1.1.1.3.3.2	ISSUE MELTER EVALUATION/ASSESSMENT DRAFT REPORT	1/26/95		
T3C-95-111	KEY				1.1.1.3.3.2	ISSUE LETTER REPORT ON CRITICAL MINOR COMPONENTS	11/23/94		
T3C-95-112	MAJOR-RL				1.1.1.3.3.1	ISSUE MISSION ANALYSIS (RL)	9/13/95		
T3C-95-113	KEY				1.1.1.3.3.1	HLW MISSION ANALYSIS DOCUMENT	5/8/95		
T3C-95-114	KEY				1.1.1.3.3.1	JUSTIFICATION OF MISSION NEED (TO DOE-RL)	7/12/95		
T3C-95-115	KEY				1.1.1.3.3.1	REPORT ON INITIAL PRELIMINARY HLW PROJECT ACQUISITION OPTIONS & STRATEGY	2/8/95		
T3C-95-116	KEY				1.1.1.3.3.1	ISSUE DRAFT CONCEPTUAL DESIGN PLAN TO DOE-RL	8/14/95		
T3C-95-117	KEY				1.1.1.3.3.1	PREPARE HLW OPERATIONS & MAINTENANCE ALTERNATIVES REPORT	2/8/95		
T3C-95-118	KEY				1.1.1.3.3.1	INITIAL HLW OPERATIONS PREPARATION & PROJECT SUPPORT PLAN	6/14/95		

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WESTINGHOUSE IN FORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3C-95-119	KEY				1.1.1.3.3.2	LETTER REPORT - LOW-TEMP. GLASS FORMULATION FOR MELTER SELECTION	5/26/95		
T3C-95-120	MAJOR-HQ				1.1.1.3.3.4	ISSUE FINAL PROCESS CONTROL RECOMMENDATION	5/31/95		
T3C-95-121	MAJOR-RL				1.1.1.3.3.4	KEY DECISION ON NEED FOR OVERPACKING CS/SR	8/18/95		
T3C-95-122	MAJOR-HQ				1.1.1.3.3.1	ISSUE JUSTIFICATION OF MISSION NEED (RL)	9/13/95		
T3C-95-123	KEY				1.1.1.3.3.2	ISSUE DRAFT SMALL-SCALE STIRRED MELTER FINAL REPORT	3/8/95		
T3C-95-124	KEY				1.1.1.3.3.4	DRAFT RECOMMENDATION FOR TRU WASTE CLASSIFICATION	12/27/94		
T3C-95-125	KEY				1.1.1.3.3.2	ISSUE DRAFT REPORT - P2O5, CR2O3, SO3 IN GLASS EXPERIMENTAL STUDY	9/29/95		
T3C-95-126	KEY				1.1.1.3.3.2	DRAFT PROJECT REPORT - GLASS COMPOSITION & DURABILITY DATA	9/29/95		
T3C-95-127	MAJOR-HQ				1.1.1.3.3.4	ISSUE FINAL TRU WASTE CLASSIFICATION DOCUMENT (RL)	3/8/95		
T3C-95-128	KEY				1.1.1.3.3.2	LETTER REPORT - MELTER TECHNOLOGY COMPAR. FLOW SHEET TESTING	5/26/95		
T3C-95-129	KEY				1.1.1.3.3.2	ISSUE SSHTM LETTER REPORT	12/22/94		
T3C-95-130	KEY				1.1.1.3.3.2	TECHNICAL PROCEDURE FOR RHEOLOGY MEASUREMENTS	9/29/95		
T3C-95-131	MAJOR-RL				1.1.1.3.3.4	REPORT ON EVALUATION OF ALTERNATIVE HLW CONCEPTS	11/30/94		
T3C-95-133	KEY				1.1.1.3.3.2	ISUE REVISED GLASS FORM. TEST PLAN FOR MELTER TESTING	7/28/95		
T3C-95-135	KEY				1.1.1.3.3.2	ISSUE DATA PACKAGE SMALL-SCALE STIRRED MELTER TEST RUN-2	7/28/95		
T3C-95-136	KEY				1.1.1.3.3.2	ISSUE DATA PACKAGE - SMALL-SCALE STIRRED MELTER TEST RUN 3.	9/15/95		
T3C-95-137	KEY				1.1.1.3.3.2	ISSUE DATA PACKAGE - SMALL-SCALE STIRRED MELTER TEST RUN 4.	9/29/95		
T3C-95-138	KEY				1.1.1.3.3.2	ISSUE FINAL SSHTM TEST REPORT	12/22/94		
T3C-95-139	KEY				1.1.1.3.3.2	ISSUE HTM MATERIAL TESTING LETTER REPORT	9/29/95		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3C-95-140	KEY				1.1.1.3.3.2	ISSUE FINAL REPORTS ON LAB SCALE SYSTEM TESTING	9/29/95		
T3C-95-141	KEY				1.1.1.3.3.2	ISSUE FINAL TEST PLANS FOR SMALL-SCALE MELTER SYSTEM TESTING	6/23/95		
T3C-95-142	KEY				1.1.1.3.3.4	DOE-RL APPROVAL OF DRAFT HLW FACILITY CONCEPTUAL DESIGN PLAN	9/30/95		
T3C-95-146	KEY				1.1.1.3.3.4	REVISE FLOWSHEET DOCUMENT	10/18/95		
T3C-95-146	KEY				1.1.1.3.3.2	PUBLISH FORM PNL CVS REPORT	12/22/94		
T3C-95-147	KEY				1.1.1.3.3.4	FACILITY CONFIGURATION DECISION DOCUMENT	4/10/95		
T3C-95-148	KEY				1.1.1.3.3.2	ISSUE A FEED SIMULANT PREPARATION SPECIFICATION FOR MELTER TECHNOLOGY COMPARISON	2/24/95		
T3C-95-149	KEY				1.1.1.3.3.2	HLW PO APPROVE PNL TD WORK PLAN	9/29/95		
T3C-95-150	KEY				1.1.1.3.3.4	ISSUE ALTERNATE CONTAINERS EVALUATION REPORT	3/17/95		
T3C-95-152	KEY				1.1.1.3.3.2	ISSUE FINAL RADIOACTIVE CORE 1-3 PROCESS/PRODUCT TEST REPORT	3/23/95		
T3C-95-161	KEY				1.1.1.3.3.2	ISSUE FINAL VITRIFICATION SYSTEM DEVELOPMENT PLAN & STRATEGY	1/6/95		
T3C-96-100	KEY				1.1.1.3.3.5	DRAFT CONCEPTUAL DESIGN STATEMENT OF WORK	6/21/96		
T3C-96-101	KEY				1.1.1.3.3.1	ISSUE UPDATED FY97 MYWP BASELINE TO RL	8/30/96		
T3C-96-102	MAJOR-RL				1.1.1.3.3.4	REVISE FACILITY CONCEPT DOCUMENT	10/10/96		
T3C-96-103	MAJOR-RL				1.1.1.3.3.2	ISSUE DECISION LETTER ON TWO HLW VIRTRIFICATION SYSTEMS TO DOE-RL	1/5/96		
T3C-96-105	MAJOR-HQ				1.1.1.3.3.1	PREPARE KD-0 DOCUMENTATION PACKAGE.	7/12/96		
T3C-96-106	KEY				1.1.1.3.3.2	ISSUE FINAL VITRIFICATION SYSTEM TEST REQ'TS UPDATE.	11/30/95		
T3C-96-107	KEY				1.1.1.3.3.4	UPDATED FEED PROCESSABILITY EVALUATION	1/4/96		
T3C-96-108	KEY				1.1.1.3.3.4	ISSUE DESIGN INPUT INTERFACE CONTROL PROCEDURE	9/30/96		
T3C-96-109	MAJOR-RL				1.1.1.3.3.2	ISSUE INITIAL PROCESS BASIS DATA COMPILATION	6/30/96		
T3C-96-110	MAJOR-RL				1.1.1.3.3.1	DOE-RL APPROVED ESAAB KD-0 BRIEFING.	9/26/96		

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WESTINGHOUSE NFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3C-96-111	KEY				1.1.1.3.3.2	ISSUE FINAL REPORT ON HLW VITRIFICATION ALTERNATIVES	3/28/96		
T3C-96-112	MAJOR-RL				1.1.1.3.3.1	DOCUMENT HLW OPERATIONS & MAINTENANCE CONCEPT	1/23/96		
T3C-96-113	MAJOR-RL				1.1.1.3.3.1	PRELIMINARY PROJECT MANAGEMENT PLAN	10/19/95		
T3C-96-114	KEY				1.1.1.3.3.4	UPDATED ESTIMATES OF TANK WASTE TYPES, COMP., & QUANTITIES	10/2/95		
T3C-96-115	KEY				1.1.1.3.3.1	HLW STRATEGY DOCUMENT, FY96 REV. 2	2/2/96		
T3C-96-116	KEY				1.1.1.3.3.4	TRU WASTE DISPOSAL OPTIONS COST-BENEFIT ANALYSIS & DRAFT RECOMMENDATION	11/28/95		
T3C-96-117	KEY				1.1.1.3.3.5	WIPP PRELIMINARY ACCEPTANCE OF TRU WASTE DATE PACKAGE	4/19/96		
T3C-96-118	KEY				1.1.1.3.3.4	PRELIMINARY F&R DOCUMENT	1/19/96		
T3C-96-119	KEY				1.1.1.3.3.5	ISSUE WASTE FORM & CAN. DESCR. DOCUMENT FOR CS/SR CAPSULE DISP.	9/19/96		
T3C-96-121	KEY				1.1.1.3.3.4	TECHNOLOGY DESIGN STRATEGY RECOMMENDATION	9/27/96		
T3C-96-122	KEY				1.1.1.3.3.2	ESTABLISH TD (PNL) DELIVERABLES	6/20/96		
T3C-96-123	MAJOR-RL				1.1.1.3.3.1	KEY DECISION 0 APPROVAL (RL)	9/30/96		
T3C-96-124	KEY				1.1.1.3.3.2	HLW PO APPROVE PNL TD WORK PLAN	9/13/96		
T3C-96-125	KEY				1.1.1.3.3.1	HLW OPERATIONS & MAINTENANCE CONCEPT	10/17/96		
T3C-96-126	MAJOR-HQ				1.1.1.3.3.5	ISSUE TRU TANK WASTE PROCESSING STRATEGY DOCUMENT	3/5/96		
T3C-96-127	KEY				1.1.1.3.3.2	FY97 TECHNOLOGY DEVELOPMENT REQUIREMENTS	9/30/96		
T3C-97-100	KEY				1.1.1.3.3.5	INCORPORATE PRETREATMENT CDR & SLUDGE WASH DECISION	9/29/97		
T3C-97-101	KEY				1.1.1.3.3.1	ISSUE UPDATED FY 1998 BASELINE TO DOE-RL	8/8/97		
T3C-97-102	MAJOR-HQ				1.1.1.3.3.5	START CONCEPTUAL DESIGN	3/26/97		
T3C-97-103	MAJOR-RL				1.1.1.3.3.2	RECOMMEND CRITICALITY CONTROL APPROACH FOR CONCEPTUAL DESIGN	11/26/96		
T3C-97-104	KEY				1.1.1.3.3.2	ISSUE DECISION LETTER ON REFERENCE & BACKUP HLW VITRIFICATION SYSTEMS	6/30/97		

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WESTINGHOUSE ANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
95-96-97 MULTI-YEAR WORK PLAN MILESTONE LOG

Milestone Number	Type	TPA#	DNFSB	Safety Initiative	SMS#	Title	Due Date	Forecast Date	Completion Date
T3C-97-105	KEY				1.1.1.3.3.2	FY98 TECHNOLOGY DEVELOPMENT REQUIREMENTS	5/30/97		
T3C-97-106	KEY				1.1.1.3.3.4	INITIAL DESIGN INPUT PACKAGE FOR CONCEPTUAL DESIGN	3/31/97		
T3C-97-107	KEY				1.1.1.3.3.4	RECOMMENDED DESIGN BASIS FEEDS FOR CONCEPT. DESIGN	1/3/97		
T3C-97-108	KEY				1.1.1.3.3.2	ISSUE FINAL VITRIFICATION SYSTEM TEST REQUIREMENTS UPDATE REPORT.	3/30/97		
T3C-97-109	KEY				1.1.1.3.3.4	DOCUMENTATION OF POTENTIAL FEED COMPOSITION RANGES ESTIMATE	10/1/96		
T3C-97-110	KEY				1.1.1.3.3.2	ISSUE FY98-FY2000 PROJECT WORK PLAN TO HLW PROGRAM OFFICE	7/11/97		
T3C-97-111	MAJOR-RL				1.1.1.3.3.4	APPROVED DESIGN BASIS FEED RANGES FOR CONCEPTUAL DESIGN	3/31/97		
T3C-97-112	KEY				1.1.1.3.3.1	HLW STRATEGY DOCUMENT FY97 REV 3	2/6/97		
T3C-97-113	KEY				1.1.1.3.3.2	UPDATE VITRIFICATION SYSTEM DEVELOPMENT PLAN & STRATEGY	12/30/96		
T3C-97-115	KEY				1.1.1.3.3.2	HLW PO APPROVE PNL TD FY98 WORK PLAN	8/29/97		

D-53

WHC-SP-1101

MDSs for Formulation (1.1.1.1.01.01)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Issue annual update of the Multi-Year Work
Plan (MYWP) to DOE-RL

2) SCHEDULE ID: BLW9512
3) REVISION: 0

4) ASSIGNED TO: Integration & Baseline Management
6) WBS DESIGNATOR: 1.1.1.1.01.01.01

6) ADS NO: 1200-00-AA
7) COMPLETION DATE:
8/31/95

8) MILESTONE CONTROL NO: TIA-95-103

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
MYWP with Baseline
Documents

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Develop and coordinate preparation of the MYWP including all chapters and appendices. The MYWP will include as a rolling three (3) year fiscal window, schedule/cost baselines including assumptions, constraints, deliverables, logic's, master summary and operating schedules, key crosscut information, WBS dictionaries, Milestone Description Sheets (MDS's)/Control Log and a summary of how TWRS will be managed including roles/responsibilities.

Acceptance Criteria

The MYWP will meet Site Management System (SMS) outline criteria established via DOE-RLIDS and specific TWRS-RL guidance for scope, schedule and budget covering the three (3) year fiscal rolling wave window. Guidance to be received formally no later than March 30 of each year.

Deliverables: (Describe the specific products or condition)

WHC document entitled "TWRS Multi-Year Work Plan" formally transmitted to DOE-RL TWRS by August 31 of each year.

9/22/94
for D. C. Frick
Cost Account Manager: Date:

9/22/94
W. J. Schlauder
Program Element Manager: Date:

9/22/94
for J. E. Irvin
Activity Manager: Date:

9/23/94
W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Issue annual update of the Five Year Plan - ADS's

2) SCHEDULE ID: BLW9522

3) REVISION: 0

4) ASSIGNED TO: Integration & Baseline Management

6) ADS NO: 1200-00-AA

6) WBS DESIGNATOR: 1.1.1.1.01.01.01

7) COMPLETION DATE:
5/31/95

8) MILESTONE CONTROL NO: TIA-95-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Develop and coordinate the preparation of the TWRS Five Year Plan Activity Data Sheets (ADS's). This will include the loading of the TWRS Multi-Year Baseline into the WHC RPM/EPDS system. The ADS's will be attached and will be utilized to document TWRS request for funding from Congress. The information shall support seven (7) fiscal years including scope descriptions, budget requirements and schedule information in the form of milestones and deliverables.

Acceptance Criteria

The Five Year Plan ADS's will be prepared consistent with DOE-HQ and DOE-RL criteria. Guidance must be received on content deliverables; scope, schedule and budget requirements no later than January 30 of each year.

Deliverables: (Describe the specific products or condition)

Electronically transmit Five Year Plan ADS's and supporting documentation (Sub-Activity Data Sheets) to DOE-RL.

9/19/94
D. C. Frick
Cost Account Manager: Date:

9/19/94
W. F. Schlauder
Program Element Manager: Date:

9/19/94
J. E. Irvin
Activity Manager: Date:

9/23/94
W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
Page 1 of 1

1) TITLE: Issue Technical Requirements Specifications for DOE
Approval

2) SCHEDULE ID: SEW9512D
3) REVISION: 0

4) ASSIGNED TO: TWRS Systems Engineering
6) WBS DESIGNATOR: 1.1.1.1.01.01.02

6) ADS NO: 1200-AC
7) COMPLETION DATE:
3/31/95

8) MILESTONE CONTROL NO: TIA-95-122

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Submit Technical Requirements Specifications (TRS) to DOE for approval.

Acceptance Criteria

The TWRS Technical Requirements Specifications will contain the Technical Requirements Baseline. It will establish the top level requirements that projects must satisfy during development of the Tank Waste Remediation System.

Deliverables: (Describe the specific products or condition)

Technical Requirements Specifications

9/19/95
C. E. Wilson
Cost Account Manager: Date:

9/19/94
K. N. Jordan
Program Element Manager: Date:

9/19/94
J. E. Irvin
Activity Manager: Date:

W. F. Edwards
DOE Manager: Date:

B. L. Nicoll
DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
Page 1 of 1

1) TITLE: Revised TWRS System Engineering Management Plan
DNFSB 3.7.G

2) SCHEDULE ID: SEW9521A
3) REVISION: 0

4) ASSIGNED TO: TWRS Systems Engineering
6) WBS DESIGNATOR: 1.1.1.1.01.01.02

6) ADS NO: 1200-0-AA
7) COMPLETION DATE:
9/29/95

8) MILESTONE CONTROL NO: TIA-95-123

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☒ Other(Specify)

Description and what constitutes completion of this commitment:

DNFSB 92-4. This commitment is to revise the existing TWRS System Engineering Management Plan (SEMP) to align with DOE guidance and system engineering specifications when this guidance becomes available. Revision of the TWRS SEMP will be initiated when approved SE guidance is provided to WHC via a change request which will include the funding to accomplish the documentation revision. At this time no date has been identified for the delivery of this guidance to WHC. A milestone date for this commitment will be negotiated at a future date.

Acceptance Criteria

Acceptance criteria will be determined when the SE guidance provided by DOE is evaluated by WHC. Criteria will be negotiated and defined at a future date when more information is available.

Deliverables: (Describe the specific products or condition)

TBD.

C. E. Wilson
C. E. Wilson
Cost Account Manager:

9/14/94
Date:

K. N. Jordan
K. N. Jordan
Program Element Manager:

9/15/94
Date:

James E. Irvin
J. E. Irvin
Activity Manager:

9/19/94
Date:

W. F. Edwards
W. F. Edwards
DOE Manager:

Date:

B. L. Nicoll
B. L. Nicoll
DOE Manager (acceptance)

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
Page 1 of 1

1) TITLE: Revised IMPL procedures DNFSB 3.7.F

2) SCHEDULE ID: SEW9521B

3) REVISION: 0

4) ASSIGNED TO: TWRS Systems Engineering

6) ADS NO: 1200-0-AA

6) WBS DESIGNATOR: 1.1.1.1.01.01.02

7) COMPLETION DATE:

9/29/95

8) MILESTONE CONTROL NO: TIA-95-124

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☒ Other(Specify)

Description and what constitutes completion of this commitment:

DNFSB 92-4. This commitment is to revise the existing TWRS System Engineering Management Plan (SEMP) to align with DOE guidance and system engineering specifications when this guidance becomes available. Revision of the TWRS SEMP will be initiated when approved SE guidance is provided to WHC via a change request which will include the funding to accomplish the documentation revision. At this time no date has been identified for the delivery of this guidance to WHC. A milestone date for this commitment will be negotiated at a future date.

Acceptance Criteria

Acceptance criteria will be determined when the SE guidance provided by DOE is evaluated by WHC. Criteria will be negotiated and defined at a future date when more information is available.

Deliverables: (Describe the specific products or condition)

TBD

C. E. Wilson
Cost Account Manager: Date: 9/19/94

K. N. Jordan
Program Element Manager: Date: 9/19/94

J. E. Irvin
Activity Manager: Date: 9/19/94

W. F. Edwards
DOE Manager: Date:

B. L. Nicoll
DOE Manager (acceptance) Date:

WHC-SP-1101

Title Issue Draft Risk Assessment Report

Schedule ID: SEW9526A

Revision:

Assigned to: TWRS Systems Engineering Management Systems

ADS No.: 1200-00-AA

Program WBS 1.1.1.1.01.01.02

Completion Date: June 30 1995

Coordinator:

Date:

Milestone Control No.: T1A-95-127

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ Report☐ DOE-HQ☐ DOE-HQ☐ DOE-HQ☐ DOE-RL☐ DOE-RL☐ DOE-RL☐ Other
(Specify)☒ WHC Key☒ Other
(Specify)

:

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this

A draft report which presents the results of the initial program risk assessment will be issued to the program management for review. The report will contain a presentation of overall program risk from identified risk factors (including programmatic and HS&E). The report will identify the higher risk areas and those items which need to be on the risk watch list.

Acceptance Criteria:

Issuing the draft report to program management for review.

Deliverables:

Draft Risk Assessment Report

Cost Account Manager

Date

Activity Manager

Date

DOE Manager (acceptance)

Date

Program Element Manager

Date

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet
WHC-SP-1101

Page 1 of 1

Title Completed Top Level Animation of BSD

Schedule ID: SEW952AA

Revision:

Assigned to: TWRS Systems Engineering Modeling & Simulation

ADS No.: 1200-AC

Program WBS 1.1.1.1.01.01.02

Completion 12/1/94

Coordinator:

Date:

Milestone Control No.: T1A-95-129

Milestone Class:

Deliverable:

Addressed to:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ DOE-HQ

☐ DOE-RL

☐ DOE-RL

☐ DOE-RL

☐ Other
(Specify)

☒ WHC Key

☒ Other
(Specify)

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this

- Model the TWRS baseline system to show the time behavior of the system. The model will incorporate the latest system constraints and verify if the system meets the defined performance requirements. The model will be developed using commercially available simulation software.

Acceptance Criteria:

- The model must show where system bottlenecks are most likely to occur to support program management decisions
- The model must provide animation to aid in presenting simulation results
- The model must trace material flow from tanks through the processing facilities to their final location of disposition

Deliverables:

- Dynamic model of TWRS top level baseline system

Cost Account Manager

Activity Manager
Date 9/19/94
Date
DOE Manager (acceptance)
Date

Program Element Manager
Date 9/19/94
Date
DOE Manager (agreement)
Date

Title W-211 Initial Retrieval Design Requirements Document

Schedule ID: SEW9513C

Revision:

Assigned to: TWRS Systems Engineering

ADS No.: 1200-AC

Program WBS 1.1.1.1.01.01.02

Completion Aug 31, 1995

Coordinator:

Date:

Milestone Control No.: T1A-95-133

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] Report

[] DOE-HQ

[] DOE-HQ

[] DOE-HQ

[] DOE-RL

[] DOE-RL

[] DOE-RL

[] Other
(Specify)

[X] WHC Key

[X] Other WHC
(Specify) Document

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this

The DRD will contain the elements of the Technical Requirements Baseline which are applicable to the W-211 project. This set of information will include functions allocated to the project and interfaces which the project must maintain (contained in an appropriate set of interface control documents).

Acceptance Criteria:

Submission of the "W-211 Initial Retrieval" Design Requirements Document with all issues resolved.

Deliverables:

"W-211 Initial Retrieval" Design Requirements Document

Cost Account Manager
Date 9/19/94

Activity Manager
Date 9/19/94

Program Element Manager
Date 9/19/94
DOE Manager (agreement)
Date

DOE Manager (acceptance)
Date

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Page 1 of 2

Title: W-236 Multi-function Waste Tank Facility Design Requirements Document
Schedule ID: SEW9513A
Revision:
Assigned to: TWRS Systems Engineering
ADS No.: 1200-AC
Program WBS Coordinator: 1.1.1.1.01.01.02
Completion Date: Jun 30, 1995
Milestone Control No.: T1A-95-134

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[] Report	[] DOE-HQ
[] DOE-HQ	[] DOE-HQ	[] DOE-RL
[] DOE-RL	[] DOE-RL	[] Other (Specify):
[X] WHC Key	[X] Other (Specify): WHC Document	

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this milestone)::

The DRD will contain the elements of the Technical Requirements Baseline which are applicable to the W-236 project. This set of information will include functions allocated to the project and interfaces which the project must maintain (contained in an appropriate set of interface control documents).

Acceptance Criteria:

Submission of the "W-236 Multi-function Waste Tank Facility" Design Requirements Document with all issues resolved

Deliverables:

"W-236 Multi-function Waste Tank Facility" Design Requirements Document

Cost Account Manager

Activity Manager

7/14/94

Date
9/19/94

Date

Program Element Manager

DOE Manager (agreement)

9/19/94

Date

Date

DOE Manager (acceptance)

Date

WHC-SP-1101

Title W-58 Cross-Site Transfer Line Design Requirements Document Schedule ID: SEW9513B
Revision:
Assigned to: TWRS Systems Engineering ADS No.: 1200-AC
Program WBS 1.1.1.1.01.01.02 Completion Aug 2, 1995
Coordinator: Date:
Milestone Control No.: T1A-95-135

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[] Report	[] DOE-HQ
[] DOE-HQ	[] DOE-HQ	[] DOE-RL
[] DOE-RL	[] DOE-RL	[] Other (Specify)
[X] WHC Key	[X] Other (Specify)	:

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this
The DRD will contain the elements of the Technical Requirements Baseline which are applicable to the W-58 project. This set of information will include functions allocated to the project and interfaces which the project must maintain (contained in an appropriate set of interface control documents).

Acceptance Criteria:

Submission of the "W-58 Cross-Site Transfer Line" Design Requirements Document with all issues resolved.

Deliverables:

W-58 Cross-Site Transfer Line Design Requirements Document

<u>9/19/94</u>
Cost Account Manager	Date
<u>9/19/94</u>
Activity Manager	Date
DOE Manager (acceptance)	Date

<u>9/19/94</u>
Program Element Manager	Date
DOE Manager (agreement)	Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Issue annual update of the Multi-Year Work
Plan (MYWP) to DOE-RL

2) SCHEDULE ID: BLW9612
3) REVISION: 0

4) ASSIGNED TO: Integration & Baseline Management
6) WBS DESIGNATOR: 1.1.1.1.01.01.01

6) ADS NO: 1200-00-AA
7) COMPLETION DATE:
8/29/96

8) MILESTONE CONTROL NO: TIA-96-100

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
MYWP with Baseline
Documents

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Develop and coordinate preparation of the MYWP including all chapters and appendices. The MYWP will include as a rolling three (3) year fiscal window, schedule/cost baselines including assumptions, constraints, deliverables, logic's, master summary and operating schedules, key crosscut information, WBS dictionaries, Milestone Description Sheets (MDS's)/Control Log and a summary of how TWRS will be managed including roles/responsibilities.

Acceptance Criteria

The MYWP will meet Site Management System (SMS) outline criteria established via DOE-RLIDS and specific TWRS-RL guidance for scope, schedule and budget covering the three (3) year fiscal rolling wave window. Guidance to be received formally no later than March 30 of each year.

Deliverables: (Describe the specific products or condition)

WHC document entitled "TWRS Multi-Year Work Plan" formally transmitted to DOE-RL TWRS by August 31 of each year.

D. C. Frick 9/22/94
D. C. Frick
Cost Account Manager: Date:

W. J. Schlauder 9/21/94
W. J. Schlauder
Program Element Manager: Date:

J. E. Irvin 9/22/94
J. E. Irvin
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Issue annual update of the Five Year Plan - ADS's

2) SCHEDULE ID: BLW9622

3) REVISION: 0

4) ASSIGNED TO: Integration & Baseline Management

6) ADS NO: 1200-00-AA

6) WBS DESIGNATOR: 1.1.1.1.01.01.01

7) COMPLETION DATE:

5/31/96

8) MILESTONE CONTROL NO: TIA-96-101

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Develop and coordinate the preparation of the TWRS Five Year Plan Activity Data Sheets (ADS's). This will include the loading of the TWRS Multi-Year Baseline into the WHC RPM/EPDS system. The ADS's will be attached and will be utilized to document TWRS request for funding from Congress. The information shall support seven (7) fiscal years including scope descriptions, budget requirements and schedule information in the form of milestones and deliverables.

Acceptance Criteria

The Five Year Plan ADS's will be prepared consistent with DOE-HQ and DOE-RL criteria. Guidance must be received on content deliverables; scope, schedule and budget requirements no later than January 30 of each year.

Deliverables: (Describe the specific products or condition)

Electronically transmit Five Year Plan ADS's and supporting documentation (Sub-Activity Data Sheets) to DOE-RL.

D. C. Frick
Cost Account Manager: Date:

K. N. Jordan
Program Element Manager: Date:

J. E. Irvin
Activity Manager: Date:

W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION -
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

- 1) TITLE: Issue annual update of the Multi-Year Work
Plan (MYWP) to DOE-RL
- 2) SCHEDULE ID: BLW9712
3) REVISION: 0
- 4) ASSIGNED TO: Integration & Baseline Management
6) ADS NO: 1200-00-AA
7) COMPLETION DATE:
8/29/97
- 5) WBS DESIGNATOR: 1.1.1.1.01.01.01.01
8) MILESTONE CONTROL NO: TIA-97-100

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
MYWP with Baseline
Documents

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Develop and coordinate preparation of the MYWP including all chapters and appendices. The MYWP will include as a rolling three (3) year fiscal window, schedule/cost baselines including assumptions, constraints, deliverables, logic's, master summary and operating schedules, key crosscut information, WBS dictionaries, Milestone Description Sheets (MDS's)/Control Log and a summary of how TWRS will be managed including roles/responsibilities.

Acceptance Criteria

The MYWP will meet Site Management System (SMS) outline criteria established via DOE-RLIDS and specific TWRS-RL guidance for scope, schedule and budget covering the three (3) year fiscal rolling wave window. Guidance to be received formally no later than March 30 of each year.

Deliverables: (Describe the specific products or condition)

WHC document entitled "TWRS Multi-Year Work Plan" formally transmitted to DOE-RL TWRS by August 31 of each year.

P. C. Frick 9/22/94
D. C. Frick
Cost Account Manager: Date:

W. J. Schlauder 9/22/94
W. J. Schlauder
Program Element Manager: Date:

J. E. Irvin 9/22/94
J. E. Irvin
Activity Manager: Date:

W. F. Edwards 9/22/94
W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

- 1) TITLE: Issue annual update of the Five Year Plan
2) SCHEDULE ID: BLW9722
3) REVISION: 0
4) ASSIGNED TO: Integration & Baseline Management
6) ADS NO: 1200-00-AA
5) WBS DESIGNATOR: 1.1.1.1.01.01.01
7) COMPLETION DATE:
5/30/97
8) MILESTONE CONTROL NO: TIA-97-101

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Develop and coordinate preparation of the TWRS Five Year Plan Activity Data Sheets (ADS's). This will include the loading of the TWRS Multi-Year Baseline into the WHC RPM/EPDS system. The ADS's will be attached and will be utilized to document TWRS request for funding from Congress. The information shall support seven (7) fiscal years including scope descriptions, budget requirements and schedule information in the form of milestones and deliverables.

Acceptance Criteria

The Five Year Plan ADS's will be prepared consistent with DOE-HQ and DOE-RL criteria. Guidance must be received on content deliverables; scope, schedule and budget requirements no later than January 30 of each year.

Deliverables: (Describe the specific products or condition)

Electronically transmit Five Year Plan ADS's and supporting documentation (Sub-Activity Data Sheets) to DOE-RL.

D. C. Frick 9/19/94
D. C. Frick
Cost Account Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Program Element Manager: Date:

James E. Irvin 9/19/94
J. E. Irvin
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

MDSs for Execution (1.1.1.1.01.02)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

- 1) TITLE: TPA Milestone M-35-03, TWRS Data Management Plan
2) SCHEDULE ID: IRW9529
3) REVISION: 0
4) ASSIGNED TO: TWRS IRM
6) ADS NO: 1200
6) WBS DESIGNATOR: 1.1.1.1.01.02.12
7) COMPLETION DATE:
03/31/95
8) MILESTONE CONTROL NO: TIA-95-100

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☒ DNFSB
☐ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Issue final TWRS Data Management Plan to DOE on the following schedule:

Complete 1st draft	11/94
Final TWRS Data Management Plan for review	2/95
Issue Final TWRS Data Management Plan	3/95
Note: Plan due to WDOE by 3/31/95	

Acceptance Criteria

WHC approval or TWRS Data Management Plan

Deliverables: (Describe the specific products or condition)

TWRS Data Management Plan

M. R. Schmidt
Cost Account Manager: Date: 9/21/94

W. J. Schlauder
Program Element Manager: Date: 9/21/94

W. J. Schlauder
Activity Manager: Date: 9/21/94

W. F. Edwards
DOE Manager: Date: 9/23/94

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

1) TITLE: LDR Annual Report

2) SCHEDULE ID: RC95M01

3) REVISION: 0

4) ASSIGNED TO: TWRS Environmental Compliance

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.05

7) COMPLETION DATE:

03/31/95

8) MILESTONE CONTROL NO: TIA-95-101

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☐ DOE-RL
☐ Other(Specify)
Washington Department of
Ecology/U.S. Environmental
Protection Agency

Description and what constitutes completion of this commitment:

(What work is specifically going to be done to accomplish this milestone)

TWRS input to the land disposal restrictions (LDR) annual report will be developed describing how treatment systems will be developed for tank waste, to satisfy Tri-Party Agreement Milestone M-26-01E.

Acceptance Criteria

TWRS input to the Hanford Land Disposal Restrictions Annual report will be provided to the WHC Regulatory reporting group.

Deliverables: (Describe the specific products or condition)

TWRS input to the 1994 Land Disposal Restrictions Report

L. E. Borneman 9/21/94

L. E. Borneman
Cost Account Manager: Date:

K. N. Jordan 9/22/94

K. N. Jordan
Program Element Manager: Date:

W. J. Schlauder 9/22/94

W. J. Schlauder
Activity Manager: Date:

W. F. Edwards 9/21/94

W. F. Edwards
DOE Manager: Date:

C. C. Haass
DOE Manager: for acceptance

Date:

RC95M01

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
of

1) TITLE: Monthly TWRS Permit Status Report

2) SCHEDULE ID: RC95M02

3) REVISION: 0

4) ASSIGNED TO: TWRS Environmental Compliance

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.05

7) COMPLETION DATE: -
09/29/95

8) MILESTONE CONTROL NO: TIA-95-102

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

A monthly report of the status of TWRS environmental permits will be prepared from the TWRS Permit Tracking Database.

Acceptance Criteria

A permit status report is delivered to RL each month.

Deliverables: (Describe the specific products or condition)

TWRS Environmental Permits Status Report

L. E. Borneman 9/21/94

L. E. Borneman
Cost Account Manager: Date:

K. N. Jordan

K. N. Jordan
Program Element Manager: Date:

9/22/94

W. J. Schlauder 9/22/94

W. J. Schlauder
Activity Manager: Date:

W. F. Edwards

W. F. Edwards
DOE Manager: Date:

9/22/94

C. C. Haass

C. C. Haass
DOE Manager: Date:

RC95M02

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Transmit TQMP Implementation Plan to DOE-RL

2) SCHEDULE ID: QA95M13

3) REVISION: 0

4) ASSIGNED TO: WHC TWRS Quality Assurance

6) ADS NO: 1200-0-AD

6) WBS DESIGNATOR: 1.1.1.1.01.02.08

7) COMPLETION DATE:
05/23/95

8) MILESTONE CONTROL NO: TIA-95-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
TQMP Implementation Plan

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

This milestone pertains to the development and submittal to DOE-RL of a plan for WHC to follow to implement the requirements stated for it in the DOE-RL TWRS Total Quality Management Policy. The WHC implementation plan for the TQMP will identify the activities and schedule for WHC compliance to the TQMP. Completion of this milestone will be evidenced by WHC TWRS officially transmitting an implementation plan to DOE-RL TWRS via external letter.

Acceptance Criteria

Receipt by DOE-RL TWRS of the WHC TWRS QA implementation plan for the DOE-RL TWRS Total Quality Management Policy.

Deliverables: (Describe the specific products or condition)

Letter transmitting WHC TWRS Quality Assurance implementation plan the DOE-RL TWRS Total Quality Management Policy to DOE-RL TWRS for approval.

J. Weber

Cost Account Manager:

Date:

K. N. Jordan

Program Element Manager:

Date:

W. J. Schlauder

Activity Manager:

Date:

W. F. Edwards

DOE Manager:

Date:

C. A. Ashley

DOE Manager (acceptance)

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Information Systems Definition (ISD)

2) SCHEDULE ID: IRW9510

3) REVISION: 0

4) ASSIGNED TO: TWRS IRM

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.12

7) COMPLETION DATE:

11/30/94

8) MILESTONE CONTROL NO: TIA-95-105

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Engineering Study

☐ DOE-HQ
☐ DNFSB
☐ DOE-RL
☒ Other(Specify)
TWRS Information
Management

Description and what constitutes completion of this commitment:

Perform ISD Engineering study with the following major activities:

1. Document TWRS AS IS condition of major TWRS information activities.
2. Develop viable TO BE information activities.
3. Develop an implementation plan to support target architecture.

Acceptance Criteria

IRM/TWRS approved ISD

Deliverables: (Describe the specific products or condition)

ISD Engineering Study - 11/94

M. R. Schmidt 9-16-94
M. R. Schmidt
Cost Account Manager: Date:

K. N. Jordan 9/19/94
K. N. Jordan
Program Element Manager: Date:

W. F. Schlauder 9/19/94
W. F. Schlauder
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
of

1) TITLE: Information Management Center Development

2) SCHEDULE ID: IRW9538

3) REVISION: 0

4) ASSIGNED TO: TWRS IRM

6) ADS NO: 1200

5) WBS DESIGNATOR: 1.1.1.1.01.02.12

7) COMPLETION DATE:
09/29/95

8) MILESTONE CONTROL NO: TIA-95-106

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☐ DOE-RL
☐ Other(Specify)
TWRS Information
Management

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Establish a functioning TWRS information management process by September 1995 completing the following activities:

1. Completion of Organization start-up responsibilities
2. Completion on Implementing Procedures
3. Requirements Analysis
4. Business Process redesign and Information System Implementation
5. Complete engineering study to validate data information requirements in W314A project

Acceptance Criteria

Operational TWRS Information Systems Planning and Development Process

Deliverables: (Describe the specific products or condition)

Functioning TWRS Information Management Process

M. R. Schmidt
Cost Account Manager: Date: 9-16-94

K. N. Jordan
Program Element Manager: Date: 9/19/94

W. J. Schlauder
Activity Manager: Date: 9/19/94

W. F. Edwards
DOE Manager: Date: 9/23/94

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

1) TITLE: Develop Position Qualification Standard for
Manager and Technical Support Personnel

2) SCHEDULE ID: QTW9510
3) REVISION: 0

4) ASSIGNED TO: TWRS Operations Training
6) WBS DESIGNATOR: 1.1.1.1.01.02.11

6) ADS NO: 1200-00-AB
7) COMPLETION DATE:
1/27/95

8) MILESTONE CONTROL NO: TIA-95-109

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☒ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☒ DOE-HQ
☐ DNFSB
☐ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The Position Qualification Standards will delineate the tasks that an individual Manager or Technical Support Staff shall be able to perform to be considered qualified for the position defined in the TWRS Manager training programs. This will be considered complete upon TWRS line management approval of the standards.

Acceptance Criteria

The Position Qualification Standards will be approved by WHC TWRS line management and will reflect the qualification criteria for middle level managers and Technical Support Staff in accordance with the requirements and guidance of DOE Order 5480.20.

Deliverables: (Describe the specific products or condition)

WHC approved Position Qualification Standards for TWRS middle level managers and technical support staff positions within TWRS whose actions or decisions can affect safety, quality, or the environment, as described in DNSFB Recommendation 92-4 Implementation Plan.

Tim Muter 9-20-94
Cost Account Manager: Date:

John K. Blum 9/11/94
Program Element Manager: Date:

John K. Blum 9/11/94
Activity Manager: Date:

Edward S 9/13/94
DOE Manager: Date:

QTW-9510

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

- 1) TITLE: Issue Integrated Technology Plan (ITP) 2) SCHEDULE ID: PT95M01
3) REVISION: 0
4) ASSIGNED TO: Technology Development (PNL) 6) ADS NO: 1200
5) WBS DESIGNATOR: 1.1.1.1.01.02.02 7) COMPLETION DATE:
03/31/95
8) MILESTONE CONTROL NO: TIA-95-111

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ WHC Key

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Controlled Document

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Ensure that defensible technology solutions are developed that are directly coupled with the TWRS needs and documented in the TWRS Integrated Technology Plan. Transmit the TWRS ITP for review and approval to the Integrating Contractor, WHC.

Acceptance Criteria

Approval of the Integrated Technology Plan by DOE-RL and WHC TWRS Program Offices, that is determined to be of high quality, receives minimal comments, and reconciles to the TWRS baseline.

Deliverables: (Describe the specific products or condition)

Issue TWRS Integrated Technology Plan for review to WHC.

9/19/94
George Mellinger
Cost Account Manager: Date:

9/19/94
K. N. Jordan
Program Element Manager: Date:

9/19/94
W. J. Schlauder
Activity Manager: Date:

9/23/94
W. F. Edwards
DOE Manager: Date:

9/27/94
S. T. Burnum
DOE Manager: Date:

Control Sheet
8'

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Transmit TWRS Management System Description (MSD)
Comments to DOE-RL TWRS

2) SCHEDULE ID: QA95M12
3) REVISION: 0

4) ASSIGNED TO: TWRS Quality Assurance
6) WBS DESIGNATOR: 1.1.1.1.01.02.08

6) ADS NO: 1200-0-AD
7) COMPLETION DATE:
2/28/95

8) MILESTONE CONTROL NO: TIA-95-114

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

This milestone pertains to the review of the first issue of each of the DOE-RL TWRS Management System Description and associated documents and submittal of comments ensuing from that review to DOE-RL TWRS. The review will focus on the appropriate sections of the DOE-RL Program Management System Description (i.e., the Configuration Management Policy, the Information Resource Management Policy, the Program Management Policy, the System Engineering Management Policy, the Test and Evaluation Management Policy, the Total Quality Management Policy, the Environmental Compliance Management Policy, or the Health and Safety Management Policy). Completion of this milestone will be evidenced by WHC TWRS officially transmitting comments on each of the review sections to DOE-RL TWRS via external letter.

Acceptance Criteria

Receipt by DOE-RL TWRS of WHC TWRS comments.

Deliverables: (Describe the specific products or condition)

Letter transmitting WHC TWRS comments on DOE-RL TWRS MIPs.

Jack Weber 9/14/94
J. Weber
Cost Account Manager: Date:

K. N. Jordan 9/15/94
K. N. Jordan
Program Element Manager: Date:

W. J. Schlauder 9/14/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

C. A. Ashley
DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

1) TITLE: Complete Individual Qualification Training Plans (QTPs)
for Manager and Technical Support Personnel

2) SCHEDULE ID: QTW9520
3) REVISION: 0

4) ASSIGNED TO: TWRS Operations Training
6) WBS DESIGNATOR: 1.1.1.1.01.02.11

6) ADS NO: 1200-00-AB
7) COMPLETION DATE:
02/28/95

8) MILESTONE CONTROL NO: TIA-95-116

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☒ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☒ DOE-HQ
☐ DNFSB
☐ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Each affected TWRS Manager and technical support staff, as defined in the DNFSB 92-4 Implementation Plan, will have their training and qualifications compared to their applicable Position Qualification Standard. The result of this assessment will be a matrix of each individual within the program, identifying the training necessary to meet the requirements of their respective Position Qualification Standard and action plan to complete the training.

Acceptance Criteria

The assessments will be considered complete when signed by the individual and the manager.

Deliverables: (Describe the specific products or condition)

Individual Qualification and Training Plans for each identified manager and technical support personnel.

Tim Muter 9/10/94
Cost Account Manager: Date:

John A. K. ... 9/19/94
Program Element Manager: Date:

John A. K. ... 9/19/94
Activity Manager: Date:

Harold S. ... 9/23/94
DOE Manager: Date:

QTW-9520

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

- 1) TITLE: Transmit MIP Implementation Plan to DOE-RL
2) SCHEDULE ID: QA95M11
3) REVISION: 0
4) ASSIGNED TO: TWRS Quality Assurance
6) ADS NO: 1200-0-AD
6) WBS DESIGNATOR: 1.1.1.1.01.02.08
7) COMPLETION DATE:
3/27/95
8) MILESTONE CONTROL NO: TIA-95-117

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DNFSB	☐ LETTER	☐ DNFSB
☐ DOE-HQ	☐ DRAWINGS	☒ DOE-RL
☒ DOE-RL	☒ OTHER(Specify)	☐ Other(Specify)
☐ Contractor	MIP Implementation Plan	

Description and what constitutes completion of this commitment:

This milestone pertains to the development and submittal to DOE-RL of a plan for WHC to follow to implement the requirements stated for it in the DOE-RL TWRS Management System Description Section associated with the Total Quality Management Policy. The WHC implementation plan for the section associated with the TQMP will identify the activities and schedule for WHC compliance. Completion of this milestone will be evidenced by WHC TWRS officially transmitting an implementation plan to DOE-RL TWRS via external letter.

Acceptance Criteria

Receipt by DOE-RL TWRS of the WHC TWRS Implementation Plan for TQMP.

Deliverables: (Describe the specific products or condition)

Letter transmitting WHC TWRS Implementation Plan.

J. Weber 9/19/94
J. Weber
Cost Account Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Program Element Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards
W. F. Edwards
DOE Manager: Date:

C. A. Ashley
C. A. Ashley
DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Revise DOE-RL TWRS TQM Plan

2) SCHEDULE ID: QA95M04

3) REVISION: 0

4) ASSIGNED TO: WHC TWRS Quality Assurance

6) ADS NO: 1200-0-AD

6) WBS DESIGNATOR: 1.1.1.1.01.02.08

7) COMPLETION DATE:
12/29/94

8) MILESTONE CONTROL NO: TIA-95-120

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Quality Management Plan Rev
1

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

This milestone pertains to the completion and submittal of the first revision of the DOE-RL TWRS Total Quality Management Policy as discussed in DOE-RL TWRS Management System Description. The revised TQMP is to be submitted to DOE-RL for approval. Completion of this milestone will be evidenced by WHC TWRS officially transmitting revision 1 (unapproved) to DOE-RL TWRS for approval via external letter.

Acceptance Criteria

DOE-RL TWRS will provide WHC TWRS QA with comments on a draft of revision 1 of the TQMP: incorporation of the comments constitutes an acceptable document.

Deliverables: (Describe the specific products or condition)

DOE-RL TWRS Total Quality Management Policy (rev 1).

9/19/94

J. Weber

Cost Account Manager:

Date:

9/19/94

K. N. Jordan

Program Element Manager:

Date:

9/19/94

W. J. Schlauder

Activity Manager:

Date:

9/23/94

W. F. Edwards

DOE Manager:

Date:

C. A. Ashley

DOE Manager (acceptance)

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
Page 1 of 1

1

1) TITLE: Issue WHC TWRS Staff Analysis

2) SCHEDULE ID: QTW9540

3) REVISION: 0

4) ASSIGNED TO: TWRS Operations Training/TWRS Human

6) ADS NO: 1200-00-AB

6) WBS DESIGNATOR: 1.1.1.1.01.02.11

Resources

7) COMPLETION DATE: 1/27/95

8) MILESTONE CONTROL NO: TIA-95-121

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☒ DOE-HQ
☐ DNFSB
☐ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Prepare a Staff Analysis (FY1995) for WHC TWRS. This document will report the assessment of required resources identified in the MYWP amplified by applicable Position Standards.

Acceptance Criteria

A document which satisfies the Process Flow Diagram contained in the Secretary's Implementation Plan for DNFSB Recommendation 92-4.

Deliverables: (Describe the specific products or condition)

A Staff Analysis as outlined above covering the WHC TWRS staff (approximately 1200) with added detail for managers and technical support staff covered by position standards.

WFS
9/24/94
T. Morton

Cost Account Manager:

Date:

5/1/94
K. N. Jordan

Program Element Manager:

Date:

W. J. Schlauder
9/19/94
W. J. Schlauder

Activity Manager:

Date:

W. F. Edwards
9/21/94
W. F. Edwards

DOE Manager:

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Final TWRS Master Site Plan Completed

2) SCHEDULE ID: PJ95M01

3) REVISION: 0

4) ASSIGNED TO: TWRS Systems Engineering

6) ADS NO: 1200

5) WBS DESIGNATOR: 1.1.1.1.01.02.03

7) COMPLETION DATE:

4/30/95

8) MILESTONE CONTROL NO: TIA-95-125

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Optimize land available for future development, define the land required for planned and envisioned projects (facilities), determine project/facility interrelationships based on functions and requirements defined as a result of systems engineering analysis and develop a master site plan for the TWRS complex. The plan shall allocate areas for processing (pretreatment, LLWVP, HLWVP), processing support facilities and other required support facilities. The plan will define transportation corridors, utility corridors and radioactive waste storage and disposal sites.

Acceptance Criteria

Approval by TWRS management of the TWRS Master Site Plan as a baseline document.

Deliverables: (Describe the specific products or condition)

TWRS Master Site Plan.

J. F. Erben
Cost Account Manager: Date: 9/26/94

W. J. Schlauder
Program Element Manager: Date: 9/26/94

W. J. Schlauder
Activity Manager: Date: 9/26/94

W. F. Edwards
DOE Manager: Date:

J. E. Navarro
DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Update of TWRS Master Site Plan Compl

2) SCHEDULE ID: PJ95M02

3) REVISION: 0

4) ASSIGNED TO: TWRS Systems Engineering

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.03

7) COMPLETION DATE:
9/29/95

8) MILESTONE CONTROL NO: TIA-95-126

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

The TWRS Master Site Plan baseline documentation will be kept current by means of the TWRS change control procedure. Updated versions of the TWRS Master Site Plan will be issued as appropriate but not less than once per fiscal year through 1996.

Acceptance Criteria

Issuance of the updated TWRS Master Site Plan by TWRS Site Integration.

Deliverables: (Describe the specific products or condition)

TWRS Master Site Plan.

J. F. Erben 9/26/94
J. F. Erben
Cost Account Manager: Date:

W. J. Schlauder 9/26/94
W. J. Schlauder
Program Element Manager: Date:

W. J. Schlauder 9/26/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards
W. F. Edwards
DOE Manager: Date:

J. E. Navarro
J. E. Navarro
DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1

1) TITLE: Conduct Qualification Assessment

2) SCHEDULE ID: QTW9530

3) REVISION: 0

4) ASSIGNED TO: TWRS Operations Training/TWRS Human

6) ADS NO: 1200-00-AB

6) WBS DESIGNATOR: 1.1.1.1.01.02.11

Resources

7) COMPLETION DATE: 3/17/95

8) MILESTONE CONTROL NO: TIA-95-136

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☒ DOE-HQ
☐ DOE-RL
☐ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☒ DOE-HQ
☐ DNFSB
☐ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Conduct a qualification assessment to determine if the TWRS technical managers and staff personnel meet the basic minimum requirements. The assessment shall include education, training and special requirements needed to fulfill the Position Qualification Standard in question.

Acceptance Criteria

A document which satisfies the Process Flow Diagram contained in the Secretary's Implementation Plan for DNFSB Recommendation 92-4.

Deliverables: (Describe the specific products or condition)

A letter report of the Assessment Results

wps
9/20/94
T. Morton *9-20-94*
T. Morton
Cost Account Manager: Date:

K. N. Jordan *9/19/94*
K. N. Jordan
Program Element Manager: Date:

W. J. Schlauder *9/15/94*
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards *9/23/94*
W. F. Edwards
DOE Manager: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Issue Integrated Document Report for TWRS-EIS

2) SCHEDULE ID: ES95M03

3) REVISION: 0

4) ASSIGNED TO: Environmental Compliance

6) ADS NO: 1200-00-AB

6) WBS DESIGNATOR: 1.1.1.1.01.02.09

7) COMPLETION DATE:
5/31/95

8) MILESTONE CONTROL NO: T1A-95-137

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Integrated Document

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Provide DOE-RL with an Integrated Document which includes the data on engineering alternatives described from the public scoping comments. As well as, safety accident reports, emission reports and cultural data reports.

Acceptance Criteria

Data packages that describe in required detail the justification needed to either accept or reject each alternative in reaching a Record of Decision.

Deliverables: (Describe the specific products or condition)

Preliminary TWRS-EIS engineering data packages that include the following:

- TPA preferred alternative 10/28/94
 - No action alternative 10/29/94
 - In-situ disposal 10/26/94
 - Capsule disposition 10/26/94
 - Extensive pretreatment 11/04/94
 - Other options and rejected alternatives 11/04/94
- These will all contribute to the:
- Integrated document final issuance 05/24/95

L E Borneman 9/21/94
L. E. Borneman Date:
Cost Account Manager

W J Schlauder 9/22/94
W. J. Schlauder Date:
Program Element Manager

W J Schlauder 9/22/94
W. J. Schlauder Date:
Activity Manager

W F Edwards 9/23/94
W. F. Edwards Date:
DOE Manager

DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Pretreatment/LLWVP Siting Complete

2) SCHEDULE ID: PJ95M03

3) REVISION: 0

4) ASSIGNED TO: TWRS Central Projects Systems

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.03

7) COMPLETION DATE:

12/31/94

8) MILESTONE CONTROL NO: TIA-95- 138

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

Prepare a Site Evaluation Report for the facilities required to accomplish the TWRS mission. Specifically, the work in achieving this milestone is a determination of sites for the pretreatment and low level waste vitrification plants (note that the two plants may or may not be combined into a single facility).

Acceptance Criteria

WHC TWRS approval of TWRS Complex site Evaluation Report showing location of pretreatment and LLW vitrification plants.

Deliverables: Site Evaluation Report for TWRS Complex.

J. F. Erben 9/26/94
J. F. Erben Date
Cost Account Manager

W. J. Schlauder 9/26/94
W. J. Schlauder Date
Program Element Manager

W. J. Schlauder 9/26/94
W. J. Schlauder Date
Activity Manager

W. F. Edwards _____
W. F. Edwards Date
DOE Manager (agreement)

J. E. Navarro _____
J. E. Navarro Date
DOE Manager (acceptance)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

- 1) TITLE: Issue Integrated Technology Plan (ITP) WHC-SP-1101 2) SCHEDULE ID: PT96M01
3) REVISION: 0
4) ASSIGNED TO: Technology Development (PNL) 6) ADS NO: 1200
5) WBS DESIGNATOR: 1.1.1.1.01.02.02 7) COMPLETION DATE:
04/01/96
8) MILESTONE CONTROL NO: TIA-96-103

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DNFSB	☐ LETTER	☐ DNFSB
☐ DOE-HQ	☐ DRAWINGS	☒ DOE-RL
☒ DOE-RL	☒ OTHER(Specify)	☐ Other(Specify)
☐ WHC Key	<u>Controlled Document</u>	

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Ensure that defensible technology solutions are developed that are directly coupled with the TWRS needs and documented in the TWRS Integrated Technology Plan. Transmit the TWRS ITP for review and approval to the Integrating Contractor, WHC.

Acceptance Criteria

Approval of the Integrated Technology Plan by DOE-RL and WHC TWRS Program Offices, that is determined to be of high quality, receives minimal comments, and reconciles to the TWRS baseline.

Deliverables: (Describe the specific products or condition)

Issue TWRS Integrated Technology Plan for review to WHC.

George Mellinger 9/19/94
George Mellinger
Cost Account Manager: Date:

W. F. Edwards 9/19/94
W. F. Edwards
Program Element Manager: Date:

W. J. Schlander 9/19/94
W. J. Schlander
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

S. T. Burnum
S. T. Burnum
DOE Manager: Date: 9/27/94

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

- 1) TITLE: Issue FY 1997 Technology Development Work Plan to WHC
2) SCHEDULE ID: PT96M02
3) REVISION: 0
4) ASSIGNED TO: Technology Development (PNL)
6) ADS NO: 1200
5) WBS DESIGNATOR: 1.1.1.1.01.02.02
7) COMPLETION DATE: 09/3/96
8) MILESTONE CONTROL NO: TIA-96-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ WHC Key

☒ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Work Plan Input

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The FY 1997 TD Work Plan will be based upon priorities and the technical needs defined in the Integrated Technology Plan (ITP). The FY Technology Development Work Plan will support the TWRS program FYWP requirements and will include but not be limited to scope definition, schedules and budgets for the technology development activities that have been identified and selected for accomplishment during FY 1997.

Acceptance Criteria

Incorporation of the FY 1997 TD Work Plan into the TWRS Program's FY 1997 MYPP with minimal revision and is determined to represent the highest TD priorities needed to be performed during fiscal year 1997.

Deliverables: (Describe the specific products or condition)

Issue FY 1997 Technology Development Work Plan to WHC

G. B. Beckman 9/19/94
Gordon Beckman
Cost Account Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Program Element Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

S. T. Burnum
S. T. Burnum
DOE Manager: Date: 9/27/94

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Revise DOE-RL TWRS TQM Plan

2) SCHEDULE ID: QA96M040

3) REVISION: 0

4) ASSIGNED TO: WHC TWRS Quality Assurance

6) ADS NO: 1200-0-AD

5) WBS DESIGNATOR: 1.1.1.1.01.02.08

7) COMPLETION DATE:

12/28/95

8) MILESTONE CONTROL NO: TIA-96-105

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
DOE-RL Total Quality
Management Plan Rev 2

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

This milestone pertains to the completion and submittal of the second revision of the DOE-RL TWRS Total Quality Management Policy (Annex 6 to the DOE-RL TWRS Program Management System Description). The revised TQMP is to be submitted to DOE-RL for approval. Completion of this milestone will be evidenced by WHC TWRS officially transmitting revision 2 (unapproved) to DOE-RL TWRS for approval via external letter.

Acceptance Criteria

DOE-RL TWRS will provide WHC TWRS QA with comments on a draft of revision 2 of the TQMP: incorporation of the comments constitutes an acceptable document.

Deliverables: (Describe the specific products or condition)

DOE-RL TWRS Total Quality Management Policy (rev 2).

J. Weber
J. Weber

Cost Account Manager:

Date:

K. N. Jordan
K. N. Jordan

Program Element Manager:

Date:

W. J. Schlauder
W. J. Schlauder

Activity Manager:

Date:

W. F. Edwards
W. F. Edwards

DOE Manager:

Date:

C. A. Ashley
C. A. Ashley

DOE Manager (acceptance)

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

Control Sheet
Page 1 of 1

1) TITLE: Develop Plan for Mapping TWRS Waste Transfer Lines

2) SCHEDULE ID: RC96M01

3) REVISION: 0

4) ASSIGNED TO: TWRS Environmental Compliance

6) ADS NO: 1200-0-AD

6) WBS DESIGNATOR: 1.1.1.1.01.02.05

7) COMPLETION DATE:

09/30/96

8) MILESTONE CONTROL NO: TIA-96-106

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Mapping and Marking Plan

☐ DOE-HQ
☐ DNFSB
☐ DOE-RL
☒ Other(Specify)
Washington Department of
Ecology

Description and what constitutes completion of this commitment:

A plan will be develop which describe how underground waste transfer lines outside tank farm fences will be mapped to satisfy Hanford Facility Dangerous Waste Permit Condition IIU.

Acceptance Criteria

A plan which documents how mapping TWRS waste transfer lines will be mapped is delivered to the Washington Department of Ecology within 24 months of issuance of the Hanford Facility Dangerous Waste Permit.

Deliverables: (Describe the specific products or condition)

A plan for mapping TWRS underground waste transfer lines.

L. E. Borneman 9/20/94

L. E. Borneman
Cost Account Manager:

Date:

K. N. Jordan 9/19/94

K. N. Jordan

Program Element Manager:

Date:

W. J. Schlauder 9/19/94

W. J. Schlauder
Activity Manager:

Date:

W. F. Edwards 9/20/94

W. F. Edwards
DOE Manager:

Date:

C. C. Haass

DOE Manager (acceptance)

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Complete 96 Update of Master Site Plan

2) SCHEDULE ID: PJ96M01

3) REVISION: 0

4) ASSIGNED TO: TWRS Systems Engineering

6) ADS NO: 1200

5) WBS DESIGNATOR: 1.1.1.1.01.02.03

7) COMPLETION DATE:

9/30/96

8) MILESTONE CONTROL NO: TIA-96-107

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

The TWRS Master Site Plan baseline documentation will be kept current by means of the TWRS change control procedure. Updated versions of the TWRS Master Site Plan shall be issued as appropriate but not less frequent than once per fiscal year.

Acceptance Criteria

Issuance of the updated TWRS Master Site Plan by TWRS Site Integration.

Deliverables: (Describe the specific products or condition)

TWRS Master Site Plan.

J. F. Erben 9/26/94
J. F. Erben
Cost Account Manager: Date:

K. M. Jordan 9/26/94
K. M. Jordan
Program Element Manager: Date:

W. J. Schlauder 9/26/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards
W. F. Edwards
DOE Manager: Date:

J. E. Navarro
J. E. Navarro
DOE Manager (acceptance) Date:

WHC-SP-1101

Title Issue Phase I IDMMMS

Schedule ID: SEW9623A

Revision:

Assigned to: TWRS Systems Engineering Modeling & Simulation

ADS No.: 1200-00-AA

Program WBS 1.1.1.1.01.01.02

Completion 10/31/95

Coordinator:

Date:

Milestone Control No.: T1A-96-108

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ Report☐ DOE-HQ☐ DOE-HQ☐ DOE-HQ☐ DOE-RL☐ DOE-RL☐ DOE-RL☐ Other
(Specify)☒ WHC Key☒ Other
(Specify)

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this

- Procure and install hardware and software necessary to develop and integrate the IDMMMS technology and GIS subsystems
- Develop technology and GIS subsystems for IDMMMS
- Coordinate with EGS to establish network links for users with IDMMMS
- Issue Phase I IDMMMS

Acceptance Criteria:

- Phase I IDMMMS will provide a graphical user interface for users to access TWRS technical information through a PC. All technical information in support of the TWRS SE process will be accessible through this interface. Users will also be able to access the Hanford Geographic Information System through the IDMMMS. The Phase I IDMMMS will be user friendly and provide adequate help facilities to enable all user levels to access the IDMMMS.

Deliverables:

A fully operational GUI to enable TWRS program participants to access the IDMMMS on a PC compatible computer

Cost Account Manager

Date

Activity Manager

Date

DOE Manager (acceptance)

Date

Program Element Manager

Date

DOE Manager (agreement)

Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

R1) TITLE: Issue Integrated Technology Plan (ITP) WHC-SP-1101

2) SCHEDULE ID: PT97M01

3) REVISION: 0

4) ASSIGNED TO: Technology Development (PNL)

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.02

7) COMPLETION DATE:
03/31/97

8) MILESTONE CONTROL NO: TIA-97-102

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ WHC Key

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Controlled Document

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

(What work is specifically going to be done to accomplish this milestone)

Ensure that defensible technology solutions are developed that are directly coupled with the TWRS needs and documented in the TWRS Integrated Technology Plan. Transmit the TWRS ITP for review and approval to the Integrating Contractor, WHC.

Acceptance Criteria

Approval of the Integrated Technology Plan by DOE-RL and WHC TWRS Program Offices, that is determined to be of high quality, receives minimal comments, and reconciles to the TWRS baseline.

Deliverables: (Describe the specific products or condition)

Issue TWRS Integrated Technology Plan for review to WHC.

George Mellinger 9/19/94
George Mellinger
Cost Account Manager: Date:

K. N. Jordan 9/19/94
K. N. Jordan
Program Element Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

S. T. Burnum
S. T. Burnum
DOE Manager: Date:

PT97M01

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
of

WHC-SP-1101

1) TITLE: Issue FY 1998 Technology Development Work Plan to
WHC

2) SCHEDULE ID: PT97M02
3) REVISION: 0

4) ASSIGNED TO: Technology Development (PNL)

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.02

7) COMPLETION DATE:
09/2/97

8) MILESTONE CONTROL NO: TIA-97-103

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☐ DOE-RL
☒ WHC Key

☒ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
Work Plan Input

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The FY 1998 TD Work Plan will be based upon priorities and the technical needs defined in the Integrated Technology Plan (ITP). The FY Technology Development Work Plan will support the TWRS program FYWP requirements and will include but not be limited to scope definition, schedules and budgets for the technology development activities that have been identified and selected for accomplishment during FY 1998.

Acceptance Criteria

Incorporation of the FY 1998 TD Work Plan into the TWRS Program's FY 1998 MYPP with minimal revision and is determined to represent the highest TD priorities needed to be performed during fiscal year 1998.

Deliverables: (Describe the specific products or condition)

Issue FY 1998 Technology Development Work Plan to WHC

G. Beeman 9/19/94
Gordon Beeman
Cost Account Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Program Element Manager: Date:

W. J. Schlauder 9/19/94
W. J. Schlauder
Activity Manager: Date:

W. F. Edwards 9/23/94
W. F. Edwards
DOE Manager: Date:

S. T. Burnum
S. T. Burnum
DOE Manager: Date: 9/27/94

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Revise DOE-RL TWRS TQM Plan

2) SCHEDULE ID: QA97M040

3) REVISION: 0

4) ASSIGNED TO: WHC TWRS Quality Assurance

6) ADS NO: 1200-0-AD

6) WBS DESIGNATOR: 1.1.1.1.01.02.08

7) COMPLETION DATE:

12/27/96

8) MILESTONE CONTROL NO: TIA-97-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER(Specify)
DOE-RL Total Quality
Management Plan Rev 3

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

This milestone pertains to the completion and submittal of the third revision of the DOE-RL TWRS Total Quality Management Policy (Annex 6 to the DOE-RL TWRS Program Management System Description). The revised TQMP is to be submitted to DOE-RL for approval. Completion of this milestone will be evidenced by WHC TWRS officially transmitting revision 2 (unapproved) to DOE-RL TWRS for approval via external letter.

Acceptance Criteria

DOE-RL TWRS will provide WHC TWRS QA with comments on a draft of revision 3 of the TQMP: incorporation of the comments constitutes an acceptable document.

Deliverables: (Describe the specific products or condition)

DOE-RL TWRS Total Quality Management Policy (rev 3).

J. Weber
J. Weber
Cost Account Manager:

Date:

K. N. Jordan
K. N. Jordan
Program Element Manager:

Date:

W. J. Schlauder
W. J. Schlauder
Activity Manager:

Date:

W. F. Edwards
W. F. Edwards
DOE Manager:

Date:

C. A. Ashley
C. A. Ashley
DOE Manager (acceptance)

Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Control Sheet
Page 1 of 1

WHC-SP-1101

1) TITLE: Complete 96 Update of Master Site Plan

2) SCHEDULE ID: PJ97M01

3) REVISION: 0

4) ASSIGNED TO: TWRS Central Projects Systems

6) ADS NO: 1200

6) WBS DESIGNATOR: 1.1.1.1.01.02.03

7) COMPLETION DATE:
9/30/97

8) MILESTONE CONTROL NO: TIA-97-108

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DNFSB
☐ DOE-HQ
☒ DOE-RL
☐ Contractor

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER(Specify)

☐ DOE-HQ
☐ DNFSB
☒ DOE-RL
☐ Other(Specify)

Description and what constitutes completion of this commitment:

The TWRS Maaster Site Plan baseline documentation will be kept current by means of the TWRS change control procedure. Updated versions of the TWRS Master Site Plan shall be issued as appropriate but not less frequent than once per fiscal year.

Acceptance Criteria

Issuance of the updated TWRS Master Site Plan by TWRS Site Integration.

Deliverables: (Describe the specific products or condition)

TWRS Master Site Plan.

J. F. Erben
J. F. Erben
Cost Account Manager:

Date:

K. N. Jordan
K. N. Jordan
Program Element Manager: Date:

W. J. Schlauder
W. J. Schlauder
Activity Manager:

Date:

W. F. Edwards
W. F. Edwards
DOE Manager: Date:

J. E. Navarro
J. E. Navarro
DOE Manager (acceptance) Date:

Pulled because
of reduced
funding

MDSs for Technical Integration & Planning (1.1.1.2.01.01)

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS Waste Tank Maintenance Electrician Initial Training Program Implemented Schedule ID: D44ODO2E
Revision: 0

Assigned to: Tank Farms Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-204

Completion Date: 9/29/95

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[] REPORT	[] DOE-HQ
[] DOE-HQ	[X] LETTER	[X] DOE-RL
[] DOE-RL	[] DRAWINGS	[] Other
[X] CONTRACTOR	[] Other (Specify):	(Specify):

Description and what constitutes completion of this commitment:

All training courses, classes, on-the-job-training guides and job performance measures have been developed and are available for use in the Electrician Training and Qualification Program as identified in WHC-IP-0883, TWRS Training Administration Manual, Section 10.4, Maintenance Personnel Training Program Description.

Acceptance Criteria:

All training lesson plans, lab guides, on-the-job training guides and job performance measures have been approved for use by the manager, Waste Tank Maintenance and Technical Staff Training.

Deliverables:

A letter of accomplishment from WHC that the acceptance criteria listed was completed by the agreed date.

T. Morton	<i>T. Morton</i>	<i>9-19-94</i>
Perf. Org. Mgr.		
T. Morton	<i>T. Morton</i>	<i>9-19-94</i>
Cost Account Manager		Date
L. C. Mercado	<i>L. C. Mercado</i>	<i>9/19/94</i>
Activity Manager		Date
A. D. Toth	<i>N/A</i>	
DOE Manager (acceptance)		Date

D. M. Lucoff	<i>D. M. Lucoff</i>	<i>9/16/94</i>
Program Element Manager		Date
A. D. Toth	<i>N/A</i>	
DOE Manager (agreement)		Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS Waste Tank Maintenance Instrumentation &
Control Technician Initial Training Program Implemented

Schedule ID: D44OD01E

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-205

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[-] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

All training courses, classes, on-the-job training guides and job performance measures have been developed and are available for use in the I&C training and qualification program as identified in WHC-IP-0883, TWRS Training Administration Manual, Section 10.4, Maintenance Personnel Training Program Description.

Acceptance Criteria:

All training lesson plans, lab guides, on-the-job training guides and job performance measures have been approved for use by the Manager, Waste Tank Maintenance and Technical Staff Training.

Deliverables:

A letter of accomplishment from WHC that the acceptance criteria listed was completed by the agreed date.

T. Morton T. Morton 9.19.94
Perf. Org. Mgr.
T. Morton T. Morton 9.19.94
Cost Account Manager Date
L. C. Mercado LC Mercado 9/19/94
Activity Manager Date
~~A. Toth~~ N/A
DOE Manager (acceptance) Date

D. M. Lucoff DMLucoff 9/16/94
Program Element Manager Date
~~A. Toth~~ N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: TWRS Waste Tank Maintenance Millwright Initial Training
Program Implemented

Schedule ID: D44OD03E

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-208

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

All training courses, classes, on-the-job training guides and job performance measures have been developed and are available for use in the Millwright Training and Qualification Program as identified in WHC-IP-0883, TWRS Training Administration manual, Section 10.4, Maintenance Personnel Training Program Description.

Acceptance Criteria:

All training lesson plans, lab guides, on-the-job training guides and job performance measures have been approved for use by the manger, Waste Tank Maintenance and Technical Staff Training.

Deliverables:

A letter of accomplishment from WHC that the acceptance criteria listed was completed by the agreed date.

T. Morton T. Morton 9-17-94
Perf. Org. Mgr.
T. Morton T. Morton 9-18-94
Cost Account Manager Date
L. C. Mercado L. C. Mercado 9/19/94
Activity Manager Date
~~A. Toth~~ N/A
DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
Program Element Manager Date
~~A. Toth~~ N/A
DOE Manager (agreement) Date

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: NPO Initial and Continuing Training Programs in Compliance with DOE Order 5480.20

Schedule ID: N1D440B10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.01.01.04

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-209

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

NPO Training Programs which lead to certification will meet DOE Order 5480.20 requirements by:

1. Containing program curriculum and structure as defined in an approved Training Program Description based on 5480.20 requirements
2. Meeting approved procedural requirements as identified in WHC-IP-0883, TWRS Training Administration Manual.

Acceptance Criteria:

1. Training Program Descriptions (TPD) contain as a minimum the requirements for TPDs as identified in the DOE training Accreditation Program (TAP) Manuals.
2. Training Procedures (WHC-IP-0883) provide the necessary direction to support a training program structure which meets DOE Training Program Evaluation Criteria.

Deliverables:

Completion of an independent assessment (performed by an organization such as EG&G or PNL) to verify compliance with DOE Order 5480.20.

T. Morton T. Morton 9-19-94
Perf. Org. Mgr.
T. Morton T. Morton 9-19-94
Cost Account Manager Date
L. C. Mercado L. C. Mercado 9-19-94
Activity Manager Date
A. Toth
DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
Program Element Manager Date
A. Toth A. Toth 9-19-94
DOE Manager (agreement) Date

D2-4

WHC TWRS Milestone Description Sheet

Title: Complete the Recertification of Incumbent Tank Operators (Supervisors) Using New Training Material by December 1994

Schedule ID: SOO4029

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-210

Completion Date: 12/30/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[X] DOE-HQ [SI-1D]

[X] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Incumbent East and West Tank Farms Shift Manager who have not completed the training requirements necessary for requalification will complete the necessary training requirements using newly developed training materials

Acceptance Criteria:

East and West Tank Farms Shift Managers successfully complete a requalification training program to renew existing qualifications using new training material developed in FY 94.

Shift Manager Requalification Training records will be retained in the TRS database. A letter will be transmitted to DOE-RL identifying shift managers who have successfully completed the requalification training program and those that have been removed from the list of qualified shift managers.

Deliverables:

Initiate the recertification of Incumbent Supervisors 10/1/94
Complete the recertification of Incumbent Supervisors 12/15/94
Issue letter to DOE-RL documenting recertification of supervisors 12/30/94

T. Morton	<i>Tim Morton</i>	9-19-94
Perf. Org. Mgr.		
T. Morton	<i>Tim Morton</i>	9-19-94
Cost Account Manager		Date
L. C. Mercado	<i>LC Mercado</i>	9-19-94
Activity Manager		Date
A. Toth		
DOE Manager (acceptance)		Date

D. M. Lucoff	<i>DMLucoff</i>	9/16/94
Program Element Manager		Date
A. Toth	<i>A. Toth</i>	9-19-94
DOE Manager (agreement)		Date

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS Waste Tank maintenance Pipefitter Initial training
Program Implementation

Schedule ID: D440DO4E

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-211

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

All training courses, classes, on-the-job training guides and job performance measures have been developed and are available for use in the Pipefitter training and Qualification Program as identified in WHC-IP-0883, TWRS Training Administration Manual, Section 10.4, Maintenance Personnel Training Program Description.

Acceptance Criteria:

All training lesson plans, lab guides, on-the-job training guides and job performance measures have been approved for use by the Manager, Waste Tank Maintenance and Technical Staff Training.

Deliverables:

A letter of accomplishment from WHC that the acceptance criteria listed was completed by the agreed date.

T. Morton T. Morton 9-19-94
Perg. Org. Mgr.
T. Morton T. Morton 9-19-94
Cost Account Manager Date
L. C. Mercado L. C. Mercado 9/19/94
Activity Manager Date
A. Toth N/A
DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
Program Element Manager Date
A. Toth N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Submit the Environmental Restoration and Waste
Management Five Year Plan Activity Data Sheet for ADS-
1100

Schedule ID: SO04000

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.01

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-216

Completion Date: 5/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Submittal of
(Specify): 5-year ADS
for ADS 1100

Addressed to:

[X] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Resolution of DOE-RL issues and submittal of the subject document to DOE-RL for transmittal to DOE-HQ.

Acceptance Criteria:

Approval by DOE-RL of the subject document by transmittal of ADS 1100-0 to DOE-HQ.

Deliverables:

Submit initial draft of ADS 1100-0 to DOE-RL for review 2/28/95

Submittal of Activity Data Sheets 1100-0 to DOE-RL and subsequent transmittal to DOE-HQ. Completion date may vary depending on guidance from DOE-HQ.

D. L. Lenseigne

Perf. Org. Mgr.

D. L. Lenseigne

Cost Account Manager

L. C. Mercado

Activity Manager

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

DOE Manager (agreement)

Date

D2-7

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Restructure/Re-Issue WHC-IP-0842 Manual

Schedule ID: N1D430J21

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.03

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-217

Completion Date: 1/27/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Manual
(Specify): Holders

Addressed to:

[] DOE-HQ
[] DOE-RL
[] Other
(Specify): **

Description and what constitutes completion of this commitment:

Issue restructured WHC-IP-0842 manual to manual holders by 1/27/95

Acceptance Criteria:

The WHC-IP-0842 Manual shall be restructured according to the guidelines established in the restructure plan. The manual will be revised and copies distributed to all manual holders.

Deliverables:

Issue WHC-IP-0842 restructure plan 10/28/94
Issue restructured manual to manual holders 1/27/95

D. L. Burt

Perf. Org. Mgr

D. L. Burt

Cost Account Manager

L. C. Mercado

Activity Manager

~~A. Hoon~~ N/A

DOE Manager (acceptance)

9/15/94
Date

9/19/94
Date

Date

D. M. Lucoff

Program Element Manager

~~A. Hoon~~ N/A

DOE Manager (agreement)

9/16/94
Date

Date

D2-8

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Implementation of 51 Administration Procedures

Schedule ID: N1D43OKO41

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.03

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-218

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Procedures
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other Manual
(Specify): Holders

Description and what constitutes completion of this commitment:

Revise or issue 51 procedures for the WHC-IP-0842 Manual by 9/30/95.

Acceptance Criteria:

There will be 51 procedures revised or issued to manual holders as new procedures for the WHC-IP-0842 Manual.

Deliverables:

Issue 12 procedures 12/30/94
Issue 13 procedures 3/31/95
Issue 13 procedures 6/30/95
Issue 13 procedures 9/29/95

D. L. Burt

Perf. Org. Mgr.

D. L. Burt

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-9

WHC TWRS Milestone Description Sheet

Title: Process 180 Procedure Revisions for Site Manuals

Schedule ID: N1D43OLO41

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.03

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-219

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other Site Manual
(Specify): Holders☒ CONTRACTOR☒ Other Procedure
(Specify): Revisions

Description and what constitutes completion of this commitment:

Distribute 180 site procedures and consolidate TWRS comments on procedures.

Acceptance Criteria:

Comment packages will be forwarded to site manual owners for a total of 180 procedures.

Deliverables:

Process 40 manual procedure revisions 12/30/94

Process 50 manual procedure revisions 3/31/95

Process 50 manual procedure revisions 6/30/95

Process 40 manual procedure revisions 9/29/95

D. L. Burt

Perf. Org. Mgr.

D. L. Burt

Cost Account Manager

L. C. Mercado

Activity Manager

~~A. Hon~~

DOE Manager (acceptance)

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

~~A. Hon~~

DOE Manager (agreement)

9/16/94

Date

Date

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue 242-A Evaporator Emergency Response Manual

Schedule ID: N1D430MO31

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.03

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-220

Completion Date: 3/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Manual
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The 242-A Emergency Response Manual will replace the existing Emergency Response Guides. Separate plant casualty plans from Emergency Response guides.

Acceptance Criteria:

Manual will be issued by 3/31/95

Deliverables:

Issue 242-A Emergency Response manual 3/31/95

D. L. Burt
Perf. Org. Mgr
D. L. Burt *[Signature]* for 9/19/94
Cost Account Manager Date
L. C. Mercado *[Signature]* 9/19/94
Activity Manager Date
A. Hon *[Signature]* N/A
DOE Manager (acceptance) Date

D. M. Lucoff *[Signature]* 9/16/94
Program Element Manager Date
A. Hon *[Signature]* N/A
DOE Manager (agreement) Date

D2-11

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Review and Update Tank Farm Building Emergency Plan

Schedule ID: N1D43OM041

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.03

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-221

Completion Date: 8/4/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Plan
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other ^{BEDs}
(Specify):

Description and what constitutes completion of this commitment:

Review and update the Tank Farm Building Emergency Plan to ensure facility changes (engineering design, construction, operations, maintenance, or other circumstances) that ensure the potential for fires, explosions, or releases of dangerous waste or constituents have been incorporated. Also, revise to incorporate emergency response change, regulation changes, permit revisions or changes required due to plan failure during an emergency.

Acceptance Criteria:

The plan will be approved by the Building Emergency Director, facility representatives and the Manager of Emergency Preparedness or delegate.

Deliverables:

Issue plan by 8/4/95

D. L. Burt

Perf. Org. Mgr.

D. L. Burt

Cost Account Manager

L. C. Mercado

Activity Manager

~~A. Hon~~ N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~A. Hon~~ N/A
DOE Manager (agreement)

Date

Date

D2-1.2

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Update Tank Farm Security Risk Assessment

Schedule ID: N1D470A09

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.07

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-223

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Update the Tank Farm Security Risk Assessment to include analysis of facility changes as well as analysis of new tank characterization data.

Acceptance Criteria:

Prepare and issue assessment per the requirements of DOE order 5630.3A and DOE order 5630.11A.

Deliverables:

Issue approved report by 9/29/95

D. L. Burt

Perf. Org. Mgr.

D. L. Burt

Cost Account Manager

L. C. Mercado

Activity Manager

~~A. Hon~~ N/A

DOE Manager (acceptance)

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

~~A. Hon~~ N/A

DOE Manager (agreement)

Date

9/16/94

Date

D2-13

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Revise and Issue Tank Farm Security Plan

Schedule ID: N1D470A07

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.07

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-226

Completion Date: 3/31/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Plan
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Revise the Tank Farm Security Plan to incorporate the results of the Tank Farm Risk Assessment completed in FY 94.

Acceptance Criteria:

The plan will be approved by the Director, TWRS Plant and issued on or before 3/31/95.

Deliverables:

Issue plan on 3/31/95.

D. L. Burt

Perf. Org. Mgr.

D. L. Burt

Cost Account Manager

L. C. Mercado

Activity Manager

A. Hon

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

A. Hon

DOE Manager (agreement)

Date

Date

D2-14

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Production and Distribution of a Draft of the FY 96
Integrated Schedule for TWRS Plant

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.01

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-292

Completion Date: 9/15/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other
(Specify):

[] DOE-HQ
[] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Draft FY 96 TWRS Plant Integrated Schedule available for review and comment by TWRS Plant and all other affected Program elements. Finalization will occur upon approval of the FY 96 Work Plans.

Acceptance Criteria:

Production and distribution to TWRS and DOE-RL of a draft FY 96 Integrated Schedule for TWRS Plant.

Deliverables:

Issue draft of the FY 96 Integrated Schedule for TWRS Plant 9/15/95

D. L. Lenseigne

Perf. Org. Mgr.

D. L. Lenseigne

Cost Account Manager

L. C. Mercado

Activity Manager

A. Hon

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

A. Hon N/A

DOE Manager (agreement)

Date

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Manager/Supervisor Initial and Continuing Training
Programs Compliance with DOE Order 5480.20

Schedule ID: N1D44OB206

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-293

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Manager and Supervisor Training Programs will meet DOE Order 5480.20 requirements by:

1. Containing program curriculum and structure as defined in an approved Training Program Description based on 5480.20 requirements
2. Meet approved procedural requirements as identified WHC-IP-0883

Acceptance Criteria:

1. Training Program Descriptions (TPD) contain as a minimum the requirements for TPDs as identified in the DOE Training Accreditation Program (TAP) Manuals
2. Training Procedures (WHC-IP-0883) provide the necessary direction to support a training program structure which meets DOE Training Program Evaluation Criteria

Deliverables:

Completion of an independent assessment (performed by an organization such as EG&G or PNL) to verify compliance with DOE Order 5480.20.

Perf. Org. Mgr.		
T. Morton	<i>Tim Morton</i>	9-19-94
Cost Account Manager		Date
L. C. Mercado	<i>LC Mercado</i>	9/1
Activity Manager		Date
A. Toth		
DOE Manager (acceptance)		Date

D. M. Lucoff	<i>DM Lucoff</i>	9/16/94
Program Element Manager		Date
A. Toth	<i>A. Toth</i>	9-19-94
DOE Manager (agreement)		Date

D2-16

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS Quality Assurance Will Meet with Operations on a
Bi-Weekly Basis

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.05

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-294

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other QA/Ops
(Specify): Interface Mtg

[] DOE-HQ
[] DOE-RL
[X] Other WHC Ops
(Specify): Maint & Eng

Description and what constitutes completion of this commitment:

Assemble a TWRS QA/Ops interface meeting to discuss and resolve field issues that are identified. this meeting will be scheduled bi-weekly and will include TWRS QA, TWRS Operations, TWRS Procurement, TWRS Engineering, TWRS Maintenance, TWRS Planning and Scheduling. Bi-weekly schedule will be issued by October 3, 1994.

Acceptance Criteria:

Agenda items from QZ, Operations, Procurement, Engineering, Maintenance, Planning and Scheduling

Deliverables:

1. Bi-weekly schedule
2. Meeting minutes identifying resolutions resolved during the bi-weekly meeting

J. L. Logston

Perf. Org. Mgr.

J. Weber

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

02-17

WHC TWRS Milestone Description Sheet

Title: TWRS Quality Assurance Will Perform Weekly 1N1
Material Review Board (MRB) Meetings

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.01.01.05

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-295

Completion Date: 9/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Weekly
(Specify): Meetings

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other WHC Ops
(Specify): and Maint

Description and what constitutes completion of this commitment:

Assemble a Material Review Board (MRB) to establish corrective/action/disposition of nonconformances. MRB board will hold weekly meetings to identify and track TWRS backlog of NCRs. This board will also be convened to disposition newly initiated NCRs when required.

Acceptance Criteria:

WHC-CM-4-2, QR 15.0, "Control of Nonconforming Items"
WHC-CM-4-2, QR 15.2, "Nonconformance Report Processing"

Deliverables:

1. Completion of the corrective action required to disposition NCRs in the following manner:

- Use as Is
- * Conditional Accept
- Repair/Rework
- * Reject/Scrap

2. Backlogged NCR report generated by the MRB board on a weekly basis to Operations, Maintenance and Engineering

J. L. Logston [Signature] 9-18-94
Perf. Org. Mgr
J. Weber [Signature] 9/19/94
Cost Account Manager Date
L. C. Mercado [Signature] 9/19/94
Activity Manager Date
N/A
DOE Manager (acceptance) Date

D. M. Lucoff [Signature] 9/19/94
Program Element Manager Date
N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: TWRS Quality Assurance Will Post-Review JCS Work Packages

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.05

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-296

Completion Date: 9/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Post-
(Specify): Reviewed
JCS Pckg

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other WHC Ops
(Specify): and Maint

Description and what constitutes completion of this commitment:

1. Post-review JCS work packages prior to permanent retention. Post-review of JCS work packages will be performed within 2 days of receipt and returned to Operations and Maintenance.
2. Signed and released JCS work packages by TWRS QC for the following constitutes completion of this commitment:
 1. Shipped to record retention

Acceptance Criteria:

1. WHC-CM-4-8, QAI 10.1, "Inspection Instruction for Operations, Maintenance and Modification"
2. WHC-IP-0842, Section 9.5, "Job Control"

Deliverables:

Signed and released JCS work packages by TWRS QC to be shipped to record retention for storage.

J. L. Logston [Signature] 8-18-94
Perf. Org. Mgr.
J. Weber [Signature] 9/19/94
Cost Account Manager Date
L. C. Mercado [Signature] 9/19/94
Activity Manager Date
N/A
DOE Manager (acceptance) Date

D. M. Lucoff [Signature] 9/19/94
Program Element Manager Date
N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS Quality Assurance Will Pre-Review JCS Work Packages

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.05

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-297

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Pre-review
(Specify): JCS Pckgs

[] DOE-HQ
[] DOE-RL
[X] Other WHC Ops
(Specify): and Maint

Description and what constitutes completion of this commitment:

1. Pre-review JCS work packages to identify the following:

1. "Hold" points
2. "Witness" points
3. "Verification" points

2. Signed and released JCS work packages by TWRS Quality Control constitutes completion of this commitment.

Acceptance Criteria:

1. WHC-CM-4-2, QR 10.0, "Inspection and Surveillance"
2. WHC-CM-4-2, QAI 10.1, "Inspection Instruction for Operations, Maintenance and Modification"
3. WHC-IP-084, Section 9.5, "Job Control"

Deliverables:

Signed and released JCS work packages by TWRS Quality Control

J. L. Logston [Signature] 9-19-94
Perf. Org. Mgr.
J. Weber [Signature] 9/19/94
Cost Account Manager Date
L. C. Mercado [Signature] 9/19/94
Activity Manager Date
N/A
DOE Manager (acceptance) Date

D. M. Lucoff [Signature] 9/19/94
Program Element Manager Date
N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS Quality Assurance Will Pre-Review 16 Procedures
Per Month

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.05

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-298

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other TWRS
(Specify): Ops/Maint☒ CONTRACTOR☒ Other Pre-Review
(Specify): Procedures

Description and what constitutes completion of this commitment:

1. Pre-review work plans, operating procedures and maintenance procedures. Sixteen procedures will be reviewed and released by QA per month.
2. Sign off and release of these procedures constitutes completion of this commitment.

Acceptance Criteria:

1. WHC-CM-4-2, QR 6.0, "Document Control"
2. WHC-CM-4-8, QAI 2.5, Guidance for the Quality Assurance Review of Documents"

Deliverables:

Signed and released work plans, operating procedures and maintenance procedures by Quality Assurance.

J. L. Logston

Perf. Org. Mgr.

J. Weber

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-21

WHC TWRS Milestone Description Sheet

Title: TWRS Quality Assurance Will Perform 8 Assessments

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.05

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-299

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other WHC Ops
(Specify): and Maint☒ CONTRACTOR☒ Other Assessments
(Specify):

Description and what constitutes completion of this commitment:

1. Complete an annual assessment schedule to identify specifically the areas to be assessed as noted in item 2. Schedule to be initiated by September 30, 1994. this schedule will be issued to John Lee and his direct report..

Completion of this schedule constitutes completion of this item.

2. Perform 2 assessments per quarter withing the following areas:

1. Conduct of Operations
2. Conduct of Maintenance
3. Job Control Processes

Completion of the assessments as scheduled, constitutes completion of this commitment.

Acceptance Criteria:

1. DOE Order 4330.4A, "Conduct of Maintenance"
2. WHC-IP-0842, "Conduct of Operations"
3. WHC-CM-1-8, "Job Control"
4. WHC-IP-0842, "Job Control System"

Deliverables:

Eight Assessment reports will be issued as identified on the Assessment Schedule.

D2-22

WHC TWRS Milestone Description Sheet

J. L. Logston

Perf. Org. Mgr.

J. Weber

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: TWRS Plant Operating Procedures Maintained to 5480.19 Standards Schedule ID: N1D480A1
Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.08

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-300

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Performance
(Specify): Indicators

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other TWRS Plant
(Specify): Manager

Description and what constitutes completion of this commitment:

TWRS Plant Procedures will be maintained to meet the guidelines in DOE Order 5480.19, "Conduct of Operations". These guidelines include 1) all procedures are reviewed at least bi-annually, 2) procedures will be revised before the number of changes exceed five to any revision, and 3) procedures will be revised before changes to any revisions are greater than six months old. Approximately half of the procedures (approximately 180) will be revised and issued every 12 months.

Acceptance Criteria:

Procedures are maintained to meet 5480.19 criteria

Deliverables:

Performance Indicators measuring performance against 5480.19 criteria Plant Operating Procedures.

R. J. Shupe RJ Shupe
Perf. Org. Mgr.
R. J. Shupe RJ Shupe 9-19-94
Cost Account Manager Date
L. C. Mercado LC Mercado 9/19/94
Activity Manager Date
~~A. Hon~~ N/A
DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/19/94
Program Element Manager Date
~~A. Hon~~ N/A
DOE Manager (agreement) Date

D2-24

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Nuclear Safety Work Package Reviews

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.09

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-301

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

[] DOE-HQ
[X] DOE-RL
[] Other (Specify): Facility/
Project Management

Description and what constitutes completion of this commitment:

TWRS Nuclear Safety Support (NSS) will review and approve 300 work packages and related documents provided that at least 300 work packages are received for review and approval.

NSS will submit a letter to DOE-RL on the status of milestone.

Acceptance Criteria:

Deliverables:

M. N. Islam [Signature] 9/19/94
Perf. Org. Mgr.
M. N. Islam [Signature] 9/19/94
Cost Account Manager Date
L. C. Mercado [Signature] 9/19/94
Activity Manager Date
~~G. E. Bishop~~ N/A
DOE Manager (acceptance) Date

D. M. Lucoff [Signature] 9/16/94
Program Element Manager Date
~~G. E. Bishop~~ N/A
DOE Manager (agreement) Date

D2-25

WHC TWRS Milestone Description Sheet

Title: Nuclear Safety Plant Documentation Reviews

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.09

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-302

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other Facility/
 (Specify): Project
 Management

Description and what constitutes completion of this commitment:

TWRS Nuclear Safety Support (NSS) will review and approve 1000 documents (i.e., Design, Plant Operations Procedures, etc.) per Nuclear Safety manual provided that at least 1000 documents are received for review and approval.

Acceptance Criteria:

NSS will submit a letter to DOE-RL stating the status of milestone.

Deliverables:

M. N. Islam M. N. Islam 9/19/94
 Perf. Org. Mgr.
 M. N. Islam M. N. Islam 9/19/94
 Cost Account Manager Date
 L. C. Mercado L. C. Mercado 9/19/94
 Activity Manager Date
 G. E. Bishop N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
 Program Element Manager Date
 G. E. Bishop N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Nuclear Safety Operational Readiness Reviews

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.09

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-303

Completion Date: 9/30/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other Facility/
 (Specify): Project
 Management

Description and what constitutes completion of this commitment:

TWRS Nuclear Safety Support (NSS) will complete one Operational Readiness Review (ORR) provided that TWRS schedules and completes one ORR.

NSS will submit a letter to DOE-RL stating the status of milestone.

Acceptance Criteria:

Deliverables:

M. N. Islam M. N. Islam 9/19/94
 Perf. Org. Mgr.
 M. N. Islam M. N. Islam 9/19/94
 Cost Account Manager Date
 L. C. Mercado L. C. Mercado 9/19/94
 Activity Manager Date
 G. E. Bishop N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/19/94
 Program Element Manager Date
 G. E. Bishop N/A
 DOE Manager (agreement) Date

D2-27

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Nuclear Safety Documentation Reviews

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.09

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-304

Completion Date: 9/30/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other Facility/
 (Specify): Project
 Management

Description and what constitutes completion of this commitment:

TWRS Nuclear Safety Support (NSS) will review and approve revised safety documentation (ISB and IOSR) per Nuclear Safety Manual provided that safety documentation is submitted for review and approval.

NSS will submit a letter to DOE-RL stating the status of milestone.

Acceptance Criteria:

Deliverables:

M. N. Islam M. N. Islam 9/19/94
 Perf. Org. Mgr.

M. N. Islam M. N. Islam 9/19/94
 Cost Account Manager Date

L. C. Mercado L. C. Mercado 9/19/94
 Activity Manager Date

~~G. E. Bishop~~ N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/19/94
 Program Element Manager Date

~~G. E. Bishop~~ N/A
 DOE Manager (agreement) Date

D2-28

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Submit FY 1996 Tank Farm Operations & Maintenance
Multi-Year Work Plan Update

Schedule ID: SO04000

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.01

ADS No.: 1100-O-ND

Milestone Control No.: T2A-95-306

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☒ Other Submittal of
(Specify): Work Plan

Description and what constitutes completion of this commitment:

Revise the FY 1995 Multi-Year Work Plan to incorporate actual performance for FY 1995 and any agreed to programmatic changes. The end product will be the submittal of the FY 1996 Multi-Year Work Plan with the following elements:

- 1) Program Description
- 2) Program Cost/Schedule baseline
- 3) Basis for estimates
- 4) Milestone Description Sheets
- 5) WBS Dictionary Sheets

Acceptance Criteria:

Completion of this activity will be measured by final approval by DOE-RL and the authorization to start work for FY 1996.

Deliverables:

Submittal of FY 1996 Multi-Year Work Plan to DOE-RL by 8/30/95 with final approval from DOE-RL by 9/30/95.

[Signature] 9/19/94
D. L. Lenseigne
Perf. Org. Mgr.
[Signature] 9/19/94
D. L. Lenseigne
Cost Account Manager
[Signature] 9/19/94
L. C. Mercado
Activity Manager
[Signature] N/A
A. Hon
DOE Manager (acceptance) Date

[Signature] 9/16/94
D. M. Lucoff
Program Element Manager
[Signature] N/A
A. Hon
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Training and Qualification S/RID Revision

Schedule ID: N1D440A52

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.04

ADS No.: 1100-0-ND

Milestone Control No.: T2A-95-320

Completion Date: 12/30/94

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other Requirements
(Specify): Identification
Document
Rev. 1

Description and what constitutes completion of this commitment:

A revised Requirements Identification Document (RID) which addresses the training requirements stated in DOE 5480.20, DOE 5480.19, DOE 4330.4B, OSHA, and WAC 173. This revision of the RID will also address 10 CFR 380 Training requirements and the training requirements of DOE 5480.18 if these requirements are in effect for TWRS training prior to November 1, 1994.

Acceptance Criteria:

The RID shall be acceptable if the requirements for DOE 4580.20 which are applicable to the TWRS facility are clearly stated and addressed. In addition the RID shall show clear correlation between the DOE 4580.20 training requirements and the training requirements stated in the other source documents. Other source document requirements shall be used to amplify or modify the DOE 4580.20 requirements as appropriate to the TWRS training mission.

Deliverables:

Requirements Identification Document Rev. 1

T. Morton	<i>Tim Morton</i>	9-19-94
Perf. Org. Mgr.		
T. Morton	<i>Tim Morton</i>	9-19-94
Cost Account Manager		Date
L. C. Mercado	<i>L. C. Mercado</i>	9/19/94
Activity Manager		Date
A. Toth		
DOE Manager (acceptance)		Date

D. M. Lucoff	<i>DM Lucoff</i>	9/16/94
Program Element Manager		Date
A. Toth	<i>A. D. Toth</i>	9-19-94
DOE Manager (agreement)		Date

WHC TWRS Milestone Description Sheet

Title: DST Emergency Pumping Plan Complete

Schedule ID: N1C37OAO4

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.07

ADS No.: 1100-O-NC

Milestone Control No.: TW1-94-557

Completion Date: 10/31/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other DST
 (Specify): Emergency
 Preparedness

[] DOE-HQ
 [] DOE-RL
 [X] Other WHC
 (Specify):

Description and what constitutes completion of this commitment:

The issuance of the Double Shell Tank Emergency Pumping Plan constitutes completion of this milestone. This document will be released in accordance with WHC procedures and policies.

Acceptance Criteria:

The Double Shell Tank Emergency Pumping Plan will identify the routes to be used to perform the emergency pumping operations. The plan will identify the capabilities of the existing equipment and evaluate its ability to perform the pumping operation.

Deliverables:

Double Shell Tank Emergency Pumping Plan issued (10/31/94)

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

L. C. Mercado

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-31

WHC TWRS Milestone Description Sheet

Title: DST Integrity Assessments - Engineering Task Plan

Schedule ID:

Revision: 0

Assigned to: Tand Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.01

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-111

Completion Date: 5/31/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify): WHC
 Supporting
 Document

Description and what constitutes completion of this commitment:

The Integrity Assessment Program Plan (WHC-SD-WM-AP-017, Rev. 1) describes the purpose and scope of the integrity assessment activities needed to meet the Department of Ecology requirements for integrity assessments. Assessment activities are planned for the next 5 years and will continue beyond 5 years for those parts of the waste tank system that are being upgraded/replaced. Parts of the plan do not meet specific requirements and we are in negotiations with ecology on these noncompliant elements. The Engineering Task Plan will establish specific plans for this long term effort and will put in place a procedure that will ensure the entire waste tank system has been assessed to the satisfaction of Ecology when the last upgrade has been completed.

Acceptance Criteria:

Release task plan as described above.

Deliverables:

Issue DST Integrity Assessment Task Plan 5/31/95

K. V. Scott KVScott
 Perf. Org. Mgr.
 K. V. Scott KVScott 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
~~C. O. Ruud~~ N/A
 DOE Manager (acceptance) Date

D. M. Lucoff DMLucoff 9/16/94
 Program Element Manager Date
~~C. O. Ruud~~ N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: DST Integrity Assessments - UT Equipment Performance Test

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.01

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-112

Completion Date: 4/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify): WHC
Supporting
Document

Description and what constitutes completion of this commitment:

The equipment for ultrasonic inspection (UT) of the double shell tank (DST) steel shells is being developed by Raytheon in accordance with the WHC performance specification. A performance test will determine if the equipment meets the requirements of the specification. The performance test will be performed at the 337 High Bay where there is a DST shell mockup. The UT system and each major subsystem will be tested for proper function in accordance with the performance test plan.

Acceptance Criteria:

A performance test report written in sufficient detail to show compliance with the performance test plan and support all conclusions.

Deliverables:

Issue Performance Test Plan to DOE-RL 4/30/95

K. V. Scott *KV Scott*
Perf. Org. Mgr.
K. V. Scott *KV Scott* 9/19/94
Cost Account Manager Date
L. C. Mercado *LC Mercado* 9/19/94
Activity Manager Date
C. O. Ruud
DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
Program Element Manager Date
C. O. Ruud *C. O. Ruud* 9/20/94
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: DST Integrity Assessments - DST UT Inspection

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.01

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-113

Completion Date: 9/29/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify): WHC
 Supporting
 Document

Description and what constitutes completion of this commitment:

Following completion of the performance test and the readiness assessment, the UT equipment will be deployed to inspect one DST for wall thickness, corrosion pits, and cracks. The inspection is one of the integrity examinations required by the Department of Ecology. The complete set of inspections for DST integrity assessments is presented in the DST Integrity Assessment Program Plan (WHC-SD-WM-AP-017, Rev. 1). The inspection results will be reported daily until completion of the inspection. A report of the inspection with results and conclusions will be issued following completion of the inspection of one tank.

Acceptance Criteria:

The inspection report will summarize the findings, the resolutions, and actions (if any) that resulted from the inspection.

Deliverables:

Issue inspection report for one DST UT inspection.

K. V. Scott KVScott
 Perf. Org. Mgr.
 K. V. Scott KVScott 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
 C. O. Ruud
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
 C. O. Ruud C. O. Ruud 9/20/94
 DOE Manager (agreement) Date

D2-34

WHC TWRS Milestone Description Sheet

Title: Phase 3 CIP Initial Implementation for IOSR

Schedule ID: N1C380C08

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-114

Completion Date: 3/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Complete the implementation of the remainder of Phase 3 strategy for IOSR (as approved with waivers).

Acceptance Criteria:

Deliverables:

Letter to DOE-RL stating completion of implementation process of Phase 3.

R. B. Gelman
 Perf. Org. Mgr.

R. B. Gelman 9/20/94

R. B. Gelman

Cost Account Manager

Date

L. C. Mercado

Activity Manager

Date

~~G. E. Bishop~~

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

Date

~~G. E. Bishop~~

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Update IOSR Strategy Document and Issuance of
Environmental Safety Class

Schedule ID: N1C380E1

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-115

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Update the IOSR Strategy Document based upon U.S. Department of Energy, Richland Operations Office (RL). Review comments of the ASA and resolution of the Environmental Safety Class.

Acceptance Criteria:

Deliverables:

The IOSR Strategy Document will be revised and submitted for DOE-RL approval by 1/31/95.

OSR Internal Review submitted to DOE-RL 9/29/95

R. B. Gelman
Perf. Org. Mgr.

R. B. Gelman 9/20/94

R. B. Gelman

R. B. Gelman 9/20/94

Cost Account Manager

Date

L. C. Mercado

L. C. Mercado 9/19/94

Activity Manager

Date

~~G. E. Bishop~~

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop~~

DOE Manager (agreement)

DMLucoff 9/16/94

Date

Date

WHC TWRS Milestone Description Sheet

Title: Health & Safety Baseline Hazard Assessment

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.11

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-116

Completion Date: 3/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Issue
 (Specify): Updated
 Health &
 Safety Plan

[] DOE-HQ
 [X] DOE-RL
 [X] Other Tank Farms
 (Specify): HASP
 Distribution

Description and what constitutes completion of this commitment:

Perform Tank farms baseline Hazard Assessment and issue information in revised/updated Health and Safety Plan

Acceptance Criteria:

Deliverables:

Updated & Issued Health and Safety Plan

S. S. Glover SS Glover
 Perf. Org. Mgr.
 S. S. Glover SS Glover 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
 A. Hon
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
 A. Hon
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Tank Farm Fire Protection Assessments

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.11

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-117

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Perform and document scheduled (approximately 30) Tank Farm Fire Protection Assessments and report status of Assessments on a quarterly basis.

Acceptance Criteria:

Deliverables:

Completion of all fire Protection Assessments scheduled for FY 95.

S. S. Glover

Perf. Org. Mgr.

S. S. Glover

Cost Account Manager

L. C. Mercado

Activity Manager

A. Hon

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

A. Hon

DOE Manager (agreement)

Date

Date

D2-38

WHC TWRS Milestone Description Sheet

Title: S/RIDs Radiation Protection Self-Assessment

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.12

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-118

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other WHC
 (Specify): Director,
 TWRS Plant

Description and what constitutes completion of this commitment:

Conduct an S/RIDs Functional Area Self-Assessment on Radiation Protection in the Tank Farms on a selected portion of the S/RIDs requirements continuing the FY 1994 effort.

Acceptance Criteria:

A Self-Assessment report is completed in the Radiation Protection Functional area.

Deliverables:

Complete a Radiation Protection S/RIDs Self-Assessment, and provide the results in report form by 9/30/95.

B. H. Lueck BH Lueck 9/19/94
 Perf. Org. Mgr.
 B. H. Lueck BH Lueck 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
 A. Hon N/A
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
 A. Hon N/A
 DOE Manager (agreement) Date

D2-39

WHC TWRS Milestone Description Sheet

Title: TWRS Radiological Control Emergency Drills

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.12

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-119

Completion Date: 9/30/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

WHC
 Radiological
 Controls
 Manager

Description and what constitutes completion of this commitment:

Completion of this commitment is met when an internal memorandum is delivered to the Director, Radiological Controls each quarter that scheduled emergency training drills have been performed.

Acceptance Criteria:

Performance of quarterly emergency drills with completed drill critiques to document performance.

Deliverables:

Perform one emergency drill each quarter involving the TWRS Radiological Control Organization and document performance with a drill critique.

B. H. Lueck BH Lueck 9/19/94
 Perf. Org. Mgr.
 B. H. Lueck BH Lueck 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
~~A. Hon~~ N/A
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
~~A. Hon~~ N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Development of CIPs for Phases 4, 5, and 6

Schedule ID: N1C38OG67

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-215

Completion Date: 4/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[X] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Develop CIPs for Phases 4, 5, and 6 based upon the ASA results issued in FY 1994.

* Phase 4 2/28/95

* Phase 5 3/31/95

• Phase 6 4/30/95

Acceptance Criteria:

Deliverables:

Submittal of the Compliance Implementation Plans for DOE-RL approval

R. B. Gelman

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

~~G. E. Bishop~~

DOE Manager (acceptance)

9/20/94

9/20/94

2/19/94

N/A

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop~~

DOE Manager (agreement)

9/16/94

Date

Date

WHC TWRS Milestone Description Sheet

Title: Issue 4th Quart Criticality Safety Inspections

Schedule ID: N1C36OE16

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.01.02.06

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-225

Completion Date: 7/31/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☒ Other
(Specify):

Description and what constitutes completion of this commitment:

The inspections will be a verification of compliance with all areas of the Tank Farms Criticality Safety Program. The inspection will cover an area of tank farms which has been involved in the transfer or distribution of fissile material. The inspection reports will include the area inspected, status of previously identified findings, identification of corrective actions and will be provided to DOE-RL.

Acceptance Criteria:

The inspection report will be signed by the Manager of Tank Farms Plant Engineering.

Deliverables:

Inspection Report

T. S. Vail

Perf. Org. Mgr.

T. S. Vail

Cost Account Manager

L. C. Mercado

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

9/19/94

9/19/94

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

9/16/94

Date

Date

WHC TWRS Milestone Description Sheet

Title: Issue 30-Year Solid Waste Forecast for Tank Farms

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.05

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-227

Completion Date: 7/31/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☒ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other ^{TWRS}
(Specify): Management☒ CONTRACTOR☐ Other Document
(Specify):

Description and what constitutes completion of this commitment:

A 30-year forecast of all forms of solid waste produced by tank farm facilities is required on an annual basis by WHC-EP-0063-4, "Hanford Site Solid Waste Acceptance Criteria". Tank Farm Waste Characterization & Pre-Planning is the organization responsible for issuing the forecast report.

Acceptance Criteria:

None

Deliverables:

Issue the Tank Farm 30-Year Solid Waste Forecast Report by July 31, 1995.

J. M. Thurman

Perf. Org. Mgr.

J. M. Thurman

Cost Account Manager

L. C. Mercado

Activity Manager

~~C. O. Ruud~~ N/A

DOE Manager (acceptance)

Date

Date

D. M. Lucoff

Program Element Manager

~~C. O. Ruud~~ N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Issue Revision of WHC-IP-0842, Section 16.6

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.05

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-228

Completion Date: 7/15/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other TWRS
(Specify): Management☒ CONTRACTOR☒ Other Document
(Specify):

Description and what constitutes completion of this commitment:

A Hazardous Chemical Constituent Characterization Plan is required by WHC-EP-0063-4, "Hanford Site Solid Waste Acceptance Criteria". Tank Farm Waste Characterization & Pre-Planning issued the original plan on February 9, 1994.

Acceptance Criteria:

Deliverables:

Issue a revision of WHC-IP-0842, Section 16.6, "Hazardous Chemical Constituent Characterization Plan for 200 East and 200 West Tank Farm Waste Streams" by July 15, 1995.

J. M. Thurman

Perf. Org. Mgr.

J. M. Thurman

Cost Account Manager

L. C. Mercado

Activity Manager

C. O. Ruud

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

C. O. Ruud

DOE Manager (agreement)

Date

D2-44

WHC TWRS Milestone Description Sheet

Title: Issue revision of WHC-IP-0842, Section 16.8

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.05

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-229

Completion Date: 7/15/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[] DOE-RL

[] DOE-RL

[] DRAWINGS

[X] Other TWRS
(Specify): Management

[X] CONTRACTOR

[X] Other Document
(Specify):

Description and what constitutes completion of this commitment:

A Radiological Characterization Plan is required by WHC-EP-0063-4, "Hanford site Solid Waste Acceptance Criteria". Tank Farm Waste Characterization & Pre-Planning issued the original plan on July 18, 1994.

Acceptance Criteria:

Deliverables:

Issue a revision of WHC-IP-0842, Section 16.8, "Waste Characterization and Pre-Planning Radionuclide Characterization Program Plan for the Waste Streams in Tank Farms" by July 15, 1995.

J. M. Thurman

Perf. Org. Mgr.

J. M. Thurman

Cost Account Manager

L. C. Mercado

Activity Manager

G. O. Ruud N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. O. Ruud N/A

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: Complete 241-AN Tank Farm Surface Decontamination:
Downpost to RCA

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-230

Completion Date: 5/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☒ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

The surface areas of 241-AN Tank Farm will be surveyed. Contaminated soils will be removed and replaced with clean fill where required, and contaminated equipment will be stabilized. The farm will then be posted to Radiological Controlled Area (RCA) status that allows wearing "street clothing" with survey required for exit.

Acceptance Criteria:

241-AN Tank Farm will be downposted to RCA status.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone.

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

C. O. Ruud

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

C. O. Ruud

DOE Manager (agreement)

Date

Date

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 241-AY Tank Farm Surface Decontamination:
Downpost to RCA

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-231

Completion Date: 6/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The surface areas of 241-AY Tank Farm will be surveyed. Contaminated soils will be removed and replaced with clean fill where required, and contaminated equipment will be stabilized. The farm will then be posted to Radiological Controlled Area (RCA) status that allows wearing "street clothing" with survey required for exit.

Acceptance Criteria:

241-AY Tank Farm will be downposted to RCA status.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone.

R. D. Gustavson R.D. Gustavson
Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94
Cost Account Manager Date

L. C. Mercado L.C. Mercado 9/19/94
Activity Manager Date

G.O. Ruud N/A
DOE Manager (acceptance) Date

D. M. Lucoff D.M. Lucoff 9/16/94
Program Element Manager Date

G.O. Ruud N/A
DOE Manager (agreement) Date

D2-47

WHC TWRS Milestone Description Sheet

Title: Complete 241-AZ Tank Farm Surface Decontamination:
Downpost to RCA

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-232

Completion Date: 7/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The surface areas of 241-AZ Tank Farm will be surveyed. Contaminated soils will be removed and replaced with clean fill where required, and contaminated equipment will be stabilized. The farm will then be posted to Radiological Controlled Area (RCA) status that allows wearing "street clothing" with survey required for exit.

Acceptance Criteria:

241-AZ Tank Farm will be downposted to RCA status.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone.

DM
9/16

R. D. Gustavson R.D. Gustavson
Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94
Cost Account Manager Date

L. C. Mercado LC Mercado 9/19/94
Activity Manager Date

G.O. Ruud N/A
DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
Program Element Manager Date
G.O. Ruud N/A
DOE Manager (agreement) Date

D2-48

WHC TWRS Milestone Description Sheet

Title: Complete 241-T Tank Farm Surface Decontamination:
Downpost to RCA

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-233

Completion Date: 8/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[X] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

The surface areas of 241-T Tank Farm will be surveyed. Contamination soils will be removed and replaced with clean fill where required, and contaminated equipment will be stabilized. The farm will then be posted to Radiological Controlled Area (RCA) status that allows wearing "street clothing" with survey required for exit.

Acceptance Criteria:

241-T Tank Farm will be downposted to RCA status.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone.

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

~~S. O. Reed~~ N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~C. O. Reed~~ N/A

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: Decontaminate Surfaces and Downpost 241-AN, -AY, -AZ and -T Tank Farms to RCA Status

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-234

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The 241-AN, -AY, -AZ and -T Tank Farms will be decontaminated, surveyed, and downposted from Surface Contamination Area (SCA) to Radiological Control Area (RCA), allowing work to be conducted with a lower level of Personal Protective Clothing; that is, "street clothes", with personal survey required for exit.

Acceptance Criteria:

241-AN, -AY, -AZ, and -T Tank Farms downposted to RCA Status.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of milestone.

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

C. O. Ruud

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

C. O. Ruud

DOE Manager (agreement)

Date

Date

D2-50

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Cleanup 10 Surface Contamination Areas Adjacent to
 Tank Farm Areas (BX/BY/AX/C/U/S/SX/TC-4/154-B/151-
 ER)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-235

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

This effort involves cleaning up 10 small to medium-sized surface contamination areas outside the tank farm boundaries. Specifically, those include small surface contamination areas adjacent to the BX, BY, AX, C and U Tank Farms, and 3-acre site adjacent to the S/SX Tank Farms, as well as the surface contamination associated with the 154-B and 151-EF diversion boxes, and the TC-4 railroad spur. Surface contamination areas will be surveyed, cleaned, and contaminated soils will be stabilized.

Acceptance Criteria:

Ten small areas will be downposted to "Radiological Controlled Area" or "Underground Radioactive Material" status

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone

R. D. Gustavson R.D. Gustavson
 Perf. Org. Mgr.
 R. D. Gustavson R.D. Gustavson 9/20/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
 C. O. Roud C.O. Roud
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
 C. O. Roud C.O. Roud 9/20/94
 DOE Manager (agreement) Date

D2-51

WHC TWRS Milestone Description Sheet

Title: Complete Cross-Site Transfer Line Surface Area
Contamination Zone Reduction and Interim Stabilization

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-236

Completion Date: 4/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This effort will complete the surface decontamination of the 600-Area section of the East-West cross-site transfer line corridor. Decontamination of the 200-East and 200-West sections, as well as a 0.75 mile stretch of the 600-Area section was completed in FY 94. The FY 95 work involves the remainder of the cross-site line as well as approximately 5-acres around the vent station area. Contaminated surface soils will be removed, stockpiled and stabilized with 2 feet of clean fill. Clean areas will be surveyed, downposted to "Underground Radioactive Material" status and re-vegetated.

Acceptance Criteria:

Cross-Site Transfer Line Corridor and Vent Station area downposted to "Underground Radioactive Material" status and re-vegetated.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone.

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

C. O. Ruud

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

C. O. Ruud

DOE Manager (agreement)

Date

Date

D2-52

WHC TWRS Milestone Description Sheet

Title: Reduce Burrowing Animal Population by Eliminating Open Water Ditches

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-237

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Open water ditches convey steam plant/water treatment plant condensate and flush water in the 200 East and West Area. At least one of the two ditches will be eliminated to reduce access of burrowing and predator animals will likewise reduce the spread of radioactive contamination, particularly by rodents, owls, coyotes, and swallows. This work will be carried out in conjunction with the 100% water recycle programs by the Steam/Water Plants. A temporary water bypass pipeline will be installed if necessary to dry out the ditches.

Acceptance Criteria:

At least one open water ditch backfilled and area re-vegetated.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone

R. D. Gustavson R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson R. D. Gustavson 9/20/94

Cost Account Manager

Date

L. C. Mercado L. C. Mercado 9/19/94

Activity Manager

Date

G. O. Ruud

DOE Manager (acceptance)

Date

D. M. Lucoff DM Lucoff 9/16/94

Program Element Manager

Date

G. O. Ruud G. O. Ruud 9/20/94

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Re-Seed & Vegetation Manage All Decontaminated Areas

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-238

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Surface areas decontaminated by scraping and stockpiling/stabilizing contaminated soils will be re-seeded with shallow-rooted grasses to prevent soil erosion and intrusion of deep-rooted vegetation. Specific areas include the A-40 retention Basin, a 5-acre site around the 244-A lift station, the cross-site transfer line corridor, and smaller areas associated with FY 95 surface area cleanup, particularly a 3-acre area east of the S/SX Tank Farms.

Acceptance Criteria:

Surface decontamination area re-vegetated and placed in continuing vegetation management program.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

~~C. O. Ruud~~

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~C. O. Ruud~~

DOE Manager (agreement)

Date

Date

D2-54

WHC TWRS Milestone Description Sheet

Page 1 of 1Title: Seal Most Serious Sources of Contamination Spread in
Tank Farms

Schedule ID:

Revision: 0

Assigned to: Tank Farms Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-239

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Research and prioritize sources of contamination spread in tank farms. These sources include cover block gaps in vaults and diversion boxes, stored radioactive equipment, and contaminated soils. Seal or stabilize the most serious contamination sources in FY 95 to prevent further spread from those areas.

Acceptance Criteria:

Contamination sources will be sealed or stabilized as appropriate.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone detailing the FY 95 efforts and accomplishments.

R. D. Gustavson R.D. Gustavson
Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94
Cost Account Manager Date

L. C. Mercado LC Mercado
Activity Manager Date

C. O. Ruud
DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
Program Element Manager Date

C. O. Ruud Casey C. Ruud 9/20/94
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Maintain Tank Farm Surface Seal Integrity with Tall Oil Emulsion

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-240

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Tank farm surface areas sealed with Tall Oil Emulsion (surface sealer) will be maintained in a sealed status by re-application in selected areas, particularly in high traffic areas. This activity will also include initial application in areas not previously sealed such as locations adjacent to the S/SX Farms, the SY Farm, and other areas requiring stabilization of wind-blown surface contamination. In some areas, shotcrete will be used in conjunction with Tall Oil Emulsion.

Acceptance Criteria:

Tall Oil Emulsion will be applied in designated areas as deemed necessary as a surface sealer to prevent windborne contamination migration.

Deliverables:

A Milestone Completion letter will be delivered to DOE-RL Tank Operations Office upon completion of the milestone.

R. D. Gustavson R.D. Gustavson
Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94
Cost Account Manager Date

L. C. Mercado LC Mercado 9/12/94
Activity Manager Date

C. O. Rudd
DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
Program Element Manager Date

C. O. Rudd 9/20/94
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: RCRA Inspection Schedules and Logs

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-241

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other (Specify): Quarterly
 Revision to
 Inspection
 Schedule

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Maintain Inspection Schedule Database: Update continuously to current equipment field status.
 Revise Inspection Schedule document quarterly and submit revision to document control.
 Assist facility operations with implementation of Inspection Logs in field.
 Review RCRA Inspection Logs for completeness, accuracy, equipment anomalies, and corrective actions.

Acceptance Criteria:

Full implementation of RCRA Inspection Schedule/Log system to satisfy requirements of 40 CFR 264, 265 and WAC 173-303.

Deliverables:

Issue quarterly revision to RCRA Inspection Schedule document.

R. D. Gustavson R.D. Gustavson
 Perf. Org. Mgr.
 R. D. Gustavson R.D. Gustavson 9/20/94
 Cost Account Manager Date
 L. C. Mercado L.C. Mercado 9/19/94
 Activity Manager Date
 E. O. Ruud N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D.M. Lucoff 9/16/94
 Program Element Manager Date
 E. O. Ruud N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: 242-A & DST Waste Analysis, Waste Acceptance,
Sampling Support

Schedule ID:

Revision: 0

Assigned to: Tank Farms Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-242

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☒ Other
(Specify): Revise 242-A
& DST Waste
Analysis
Plans

Description and what constitutes completion of this commitment:

- Complete Environmental Regulatory Data Quality Objectives (DQO) process and document.
- Support completion of new DQOs or revisions to existing DQOs such as compatibility, safety screening, vapor sampling, rotary sampling, core sampling, retrieval and tank specific.
- Revise 242-A DQO after integrating LERF and ETF data needs into the process. Revise LERF WAP and 242-A WAP.
- Provide support, direction, and coordination to liquid effluent sampling efforts at 242-A and at tank farms.
- Review Waste generator WAPs. Evaluate waste shipments to DSTs against acceptance criteria. Approve shipments as appropriate.

Acceptance Criteria:

1. Complete environmental regulatory DQO - Due 7/31/95
2. Complete revision to the DST WAP to incorporate changes resulting from DQO revisions and new DQOs - Due 9/29/95
3. Revise 242-A DQO to incorporate integration of LERF and ETF data needs - Due 7/31/95
4. Revise and integrate the 242-A Evaporator WAP and the LERF WAP to incorporate elements of 242-A/LERF/ETF integrated DQO - Due 9/29/95

Deliverables:

Issue revisions to 242-A Evaporator, Liquid Effluent Facility (LERF), and Double-Shell Tank (DST) Waste Analysis Plans (WAPs) to incorporate Data Quality Objective (DQO) revisions.

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

G. O. Ruud

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. O. Ruud

DOE Manager (agreement)

Date

Date

D2-58

WHC TWRS Milestone Description Sheet

Title: Environmental Procedure Upgrade and Development

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-243

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Develop a minimum of five (5) functional test procedures for important environmental equipment not covered under OSR equipment.
 Revise operator rounds to include additional environmental equipment identified in the RCRA inspection schedule matrix.
 Revise existing POPs to reflect regulatory requirements being satisfied.
 Create and/or revise administrative control procedures as needed.
 Coordinate Environmental and OSR procedure requirements.
 Evaluate adequacy of maintenance procedures for environmental equipment.

Acceptance Criteria:

Acceptance of a letter report by DOE-RL Tank Operations Office detailing the environmental procedure upgrade activities conducted in FY 95 shall constitute completion of this milestone.

Deliverables:

Issue a letter report to DOE-RL Tank Operations Office on environmental procedure upgrade activities conducted in FY 95.

R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson

Cost Account Manager

L. C. Mercado

Activity Manager

C. O. Ruud

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

C. O. Ruud

DOE Manager (agreement)

Date

Date

D2-59

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 2

Title: Waste Minimization: Pollution Prevention Opportunity Assessments

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.01.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-244

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☒ DOE-RL

☐ DRAWINGS

☐ Other
(Specify):

☐ CONTRACTOR

☐ Other
(Specify):

Description and what constitutes completion of this commitment:

- Establish Pollution Prevention Opportunity Assessment (P2OA) teams from different TWRS Plant groups. Set up training for P2OA teams on the procedure and documents used for the actual assessments.
- Conduct brainstorming sessions with P2OA teams on waste streams that are generated in East and West tank Farms Operations, 242-A evaporator Operations, Waste Tank Maintenance, TWRS Health Physics, Waste Sampling, and Environmental Waste Operations. Sessions will produce data that needs to be researched, prioritized, and documented.
- Coordinate and administer P2OA teams on assessments that have been determined to have the highest priorities and document activities.
- Perform feasibility studies on assessments. This work will include research, documentation, calculations, and any other items that may arise as the work proceeds.
- Do financial analysis on assessments such as return-on-investment calculations, cost/benefit analysis, total cost assessments or whatever may be appropriate. This work will include research, documentation, and any other items that may arise as the work proceeds.
- Implement findings from assessments that have been feasibility studies and financial analysis criteria. Work in this area will include looking at obtaining (writing and tracking proposals) funding for capital expenditures from different sources, getting projects into motion within Tank Farms by designating an engineer(s) and/or group(s) that will handle the project(s). All work will be documented.
- Track progress of different projects derived from assessments. Document final results and report results to funding agency.
- Report results of all aspects of P2OAs as to other Westinghouse Hanford groups, Department of Energy groups, and whomever may require such information.
- Provide publicity and recognition for successes and people doing the work.

Performance of a minimum of seven (7) P2OAs will continue completion of this milestone.

Acceptance Criteria:

The P2OA results shall be documented as engineering studies.

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WHC TWRS Milestone Description Sheet

Deliverables: seven

Documented P2OA results shall be delivered to DOE-RL Tank Operations Office.

R. D. Gustavson R.D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94

Cost Account Manager

Date

L. C. Mercado L.C. Mercado 9/19/94

Activity Manager

Date

C. O. Ruud

DOE Manager (acceptance)

Date

D. M. Lucoff D.M. Lucoff 9/16/94

Program Element Manager

Date

C. O. Ruud C.O. Ruud 9/20/94

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Conduct FY 95 TWRS Plant Waste Minimization/Pollution Prevention Activities

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-245

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Waste Minimization/Pollution Prevention (WM/PP) activities include:

- Product substitution at TWRS Plant that includes: 1) phase out and replacement of Class II Ozone Depleting Chemicals 2) reduce consumption and/or replacement of listed chemicals defined in the EPCRA 33/50 Program 3) replacement of other hazardous materials.
- Identification, tracking and documentation of WM/PP activities at TWRS Plant facilities.
- Integration of SWITS and HMID2 databases into TWRS Plant WM/PP Program.
- Interface with DOE-RL, DOE-HQ, WHC Pollution Prevention Group, other WHC groups, and contractors to plan, direct, track, or document WM/PP activities.
- Development and implementation of a WM/PP incentive program for TWRS Plant.
- Design and implementation of a WM/PP training course for TWRS Plant employees.
- First revision of WHC-SD-WM-EV-090, Waste Tank Operations Waste Minimization/Pollution Prevention Plan.
- Issuance of required WM/PP reports.

Completion of the milestone shall be constituted by receipt of all deliverable reports by DOE-RL Tank Operations Office.

Acceptance Criteria:

Acceptance of milestone completion shall be made upon receipt of all deliverable reports by DOE-RL Tank Operations Office.

Deliverables:

The following reports are the deliverables associated with this milestone.

1. Issue 4th Quarter FY 94 Waste Minimization/Pollution Prevention Report - Due 10/15/94
2. Issue CY 1994 Waste Minimization/Pollution Prevention Accomplishments Report - Due 1/30/95
3. Issue 1995 Waste Minimization/Pollution Prevention Goals Report - Due 1/30/95
4. Issue 1st Quarter FY 95 Waste Minimization/Pollution Prevention Report - Due 1/13/95
5. Issue CY 1994 Waste Minimization Certification required by 1994 Washington Dangerous Waste Report - Due 2/15/95
6. Issue 2nd Quarter FY 95 Waste Minimization/Pollution Prevention Report - Due 4/14/95
7. Issue 3rd Quarter FY 95 Waste Minimization/Pollution Prevention Report - Due 7/14/95

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WHC TWRS Milestone Description Sheet

R. D. Gustavson R. D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson R. D. Gustavson 9/20/94

Cost Account Manager

Date

L. C. Mercado L. C. Mercado 9/19/94

Activity Manager

Date

C. O. Ruud

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

C. O. Ruud

DOE Manager (agreement)

D. M. Lucoff 9/16/94

Date

C. O. Ruud 9/20/94

Date

WHC TWRS Milestone Description Sheet

Title: Inventory of Used, Stored Contaminated Equipment within Tank Farm Ancillary Units Schedule ID:

Revision: 0

Assigned to: Tank Farms Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-246

Completion Date: 8/31/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☒ DOE-RL

☐ DRAWINGS

☐ Other
(Specify):

☐ CONTRACTOR

☐ Other
(Specify):

Description and what constitutes completion of this commitment:

DESCRIPTION: The inventory is the second in a series of activities to remove and properly handle used, contaminated equipment within Tank Farm ancillary units, such as diversion boxes, double-contained receiver tank (DCRT) vaults, process pits, etc. An inventory of aboveground contaminated equipment was successfully conducted in FY 94. The equipment, if determined to be not reusable, may be Dangerous Waste (DW) through contact with tank waste. Should that be the case, improper storage of DW may be presently occurring. The work activities include: preparation of workplans, procedures, and safety documentation; research of existing research of process data for categorization and characterization of potentially contaminated equipment; development of a stored/abandoned equipment database. The inventory will be conducted through the use of existing plant knowledge, remote photography, or physical inspection. Certain unit inventories will be conducted in conjunction with other planned operational and engineering intrusions into ancillary units, thereby reducing the overall cost.

COMPLETION: An exhaustive inventory will be conducted to assist in planning for removal, decontamination and/or disposal of the equipment. A report of results will be prepared and developed for use as a tool to: help determine if the equipment is reusable, recyclable, amenable to decontamination, or if it is waste; and to assist in decisions regarding retrieval, characterization, and disposal.

Acceptance Criteria:

DOE-RL Tank Operations Office shall accept a report detailing the results of the ancillary unit equipment storage inventory as completion of this milestone.

Deliverables:

The deliverable to DOE-RL shall be a documented report of the results of the ancillary unit equipment storage inventory.

D2-64

WHC TWRS Milestone Description Sheet

R. D. Gustavson R.D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94

Cost Account Manager

Date

L. C. Mercado L.C. Mercado 9/19/94

Activity Manager

Date

C. O. Ruud

DOE Manager (acceptance)

Date

D. M. Lucoff D.M. Lucoff 9/16/94

Program Element Manager

Date

C. O. Ruud C.O. Ruud 9/20/94

DOE Manager (agreement)

Date

D2-65

WHC TWRS Milestone Description Sheet

Title: TWRS Plant S/RIDs Environmental Self-Assessment

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-247

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☒ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

A continuing (i.e., on-going) self-assessment program will be developed and implemented. The program will conduct multi-media compliance assessments through application of various tools including, but not limited to, audits of documents, physical examination of operating facilities and surveillances of operating activities. The focus of the assessments will be to evaluate compliance with federal and state regulatory requirements applicable to air emissions, liquid effluents, waste generation, and dangerous waste treatment, storage, and disposal activities. In addition to identifying deficiencies, the program will recommend appropriate corrective actions, assign root causes, suggest corrective action schedules, and generally track the corrective action process. A minimum of five (5) assessments of Tank Farms operating facilities will be conducted in FY 95. Quarterly status reports of deficiencies and root causes, along with analysis of corrective actions will be delivered to the DOE-RL Tank Operations Office after implementation of the program.

Acceptance Criteria:

As completion of this milestone, DOE-RL shall accept delivery of three quarterly status reports that include deficiencies identified, root causes assigned, corrective action recommended, and status of actual corrective actions undertaken in response to the minimum of five (5) assessments performed during FY 95.

Deliverables:

Three quarterly status reports as identified above, will be delivered to DOE-RL Tank Operations Office during FY 95 after implementation of the program. These reports shall be delivered by the following dates:

- 1/30/95
- 4/28/95
- 7/31/95

D2-66

WHC TWRS Milestone Description Sheet

R. D. Gustavson R.D. Gustavson

Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/20/94

Cost Account Manager

Date

L. C. Mercado L.C. Mercado 9/19/94

Activity Manager

Date

~~C. O. Ruid~~

DOE Manager (acceptance)

Date

D. M. Lucoff DM Lucoff 9/16/94

Program Element Manager

Date

~~C. O. Ruid~~

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: ASA Comments and Issue Resolution

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-249

Completion Date: 5/30/95

Milestone Class:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR

Deliverable:

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ Other
(Specify):

Addressed to:

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description and what constitutes completion of this commitment:

WHC submitted Tank Farm Interim Chapter 3 and supporting documents (topical reports) to DOE-RL on July 29, 1994. DOE-RL will then have two reviews-internal (TOP) and an Independent Review. As a result of these reviews a task is required to respond to questions from DOE reviewers and to formally respond to comments. The resolution agreed upon between reviewer and author could result in changes to the document that will need to be incorporated.

Acceptance Criteria:

Deliverables:

Prepare comment resolution with DOE-RL input - Due 10/30/94

Obtain sign-off on RCRs and WHC TF Operations and SEAC agreement - Due 11/30/94

Revise ASA Interim Chapter 3, TF Accident Analysis and transmit to DOE-RL - Due 12/30/94

Prepare comment resolution with DOE-RL Independent Review - Due 3/30/95

Obtain sign-off on RCRs with DOE-RL Independent review - 4/30/95

Revise ASA Interim Chapter 3, TF Accident Analysis and transmit to DOE-RL for approval - Due 5/30/95

D2-68

WHC TWRS Milestone Description Sheet

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-69

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: TWRS SA&E Program Plan

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-250

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

The purpose of the Program Plan is to provide an updated overview of the requirements, budget and schedules to complete safety analysis and documentation for the tank farm facilities.

The program plan also includes descriptions of other safety analysis and safety documentation tasks supported by the Tank Farm Safety Program and Tank Farm Projects. The inclusion of these activities in the program plan is meant to indicate how these activities are integrated into a complete safety envelope definition for the tank farms.

Acceptance Criteria:

Deliverables:

Annual Program Plan, Revision 5 - Due 9/30/95

K. O. Fein K. O. Fein 9/19/94
 Perf. Org. Mgr.
 R. B. Gelman R. B. Gelman 9/20/94
 Cost Account Manager Date
 L. C. Mercado L. C. Mercado
 Activity Manager Date
 G. E. Bishop
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/20/94
 Program Element Manager Date
 G. E. Bishop G. E. Bishop 9/22/94
 DOE Manager (agreement) Date

D2-70

WHC TWRS Milestone Description Sheet

Title: AWF/DST Chapter Writing

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-251

Completion Date: 8/30/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other Functional
 (Specify): Review Team

Description and what constitutes completion of this commitment:

Prepare all chapters of AWF/DST SAR consistent with draft DOE STD 3009 and DOE Order 5480.23.

Develop the chapters for the SAR. These chapters detail the results of the analysis, describe the facility and the safety SSCs, and the safety-management programs.

The programmatic chapters provide a summary description of the key features of the various safety programs as they relate to the tank farms. These chapters are not meant to be used as the vehicle for the determination of adequacy of these programs.

Acceptance Criteria:

Deliverables:

Draft AWF/DST Safety Analysis report submitted to Functional Review - Due 8/30/95

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-71

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: ASA Follow-On Tasks

Schedule ID: C390B02

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-252

Completion Date: 8/30/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

The submittal of the Interim Chapter 3 to DOE-RL on July 29, 1994 was never intended to close all the issues associated with the Accident Analysis Tasks. A list of potential follow-on work to support the Final Safety Analysis Report to the Tank Farms was provided in Chapter 3, Section 5. The first effort of this task will be to identify, discuss and reach agreement with DOE-RL on specific follow-on work to be performed. It is anticipated that at the conclusion of each review cycle within DOE-RL other areas may be identified that need more detailed accident analysis.

Acceptance Criteria:

Deliverables:

Provide letter after discussion and agreement with DOE-RL describing all follow-on work to be done on the ASA - Due 11/15/94

Complete ASA follow-on tasks - Due 8/30/95

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

D2-12

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Update IOSRs Results of ASA

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-253

Completion Date: 5/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☒ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Revise AWF/DST/SST IOSRs to be entirely consistent with the Accelerated Safety Analysis following resolution of comments with DOE-RL.

It is expected that some existing IOSR items will be deleted and that new ones will be added. Overall, the effort should be less intensive than the FY 94 effort which resulted in WHC approval of the current versions.

The existing format and content will be used to the maximum extent possible. Guidance in the form of the draft Chapter 6 for WHC-CM-4-46 will not be used.

WHC will use the results of the FY 94 milestone for consistency review between IOSRs and ASA topical reports as the starting point. Those existing IOSRs which are not supported by the ASA will be deleted. Additional IOSRs which are justified by the ASA will be added. The balance of existing IOSRs will be reviewed to ensure that they are updated to conform to the ASA. For instance, Surveillance frequencies and LCO completion times will be examined to assure they maintain an adequate safety margin. In addition, the BASES will be reviewed to assure that the justification for numerical values is updated to reflect the ASA. "Engineering judgement and past practice" will be eliminated as much as possible in favor of more objective measures.

Acceptance Criteria:

Deliverables:

Revised AWF/DST/SST IOSRs to be entirely consistent with ASA following resolution of comments with DOE-RL - Due 5/30/95

D2-23

WHC TWRS Milestone Description Sheet

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: ISB Annual Update Release Volume 2

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-254

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[] DOE-RL

[] DOE-RL

[] DRAWINGS

[X] Other Plant
(Specify): Manager

[X] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

The Tank Farm Facilities Interim Safety Bases will be maintained current to reflect new and relevant information that alters the safety envelope until revised SARs are issued for tank farm facilities. The ISB will be updated to incorporate the Operational Summaries from the ASA into Volume 2. The ISB document will also be updated annually to reflect the current status of important safety issues and tank inventory information. Results of completed safety assessments, inclusion of relevant topical reports, updated tank inventory data, and selective USQ evaluations will be evaluated for inclusion in the ISB. Configuration management of the document will be maintained with controlled distribution listings, master copy maintenance and update, and ECN of document revision as appropriate.

Acceptance Criteria:

Deliverables:

Annual Update (FY 94 Carryover) - Due 11/30/94

Annual Update/Volume 2 Review - Due 9/30/95

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-75

WHC TWRS Milestone Description Sheet

Title: ISB/Incorporation ASA

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-255

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other Plant
 (Specify): Manager

Description and what constitutes completion of this commitment:

The Tank Farm Facilities Interim Safety Bases will be maintained current to reflect new and relevant information that alters the safety envelope until the revised SARs are issued for the Tank Farm Facilities. The ISB will be updated to incorporate the results of the ASA and the revised Operational Safety requirements 35 days after approval by DOE-RL.

Acceptance Criteria:

Deliverables:

ECN to the Interim Safety Bases document to incorporate the results of the ASA and the revisions to the Operational Safety Requirements - Due 30 days after approval of OSRs by DOE-RL

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: SST Graded SAR

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.09

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-256

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other RFP
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

The purpose of this task is to define the approach for a graded SAR for the Single Shell Tank Farm and reach an agreement with DOE-RL on that approach. Upon agreement, prepare an RFP for a fixed price order for SAR support services to prepare the graded SAR in FY 96. This order shall be in place by 9/30/95.

Acceptance Criteria:

Deliverables:

Provide definition of approach to DOE-RL - Due 11/30/94

Place Fixed Cost Order for SST SAR Preparation - Due 9/30/95

K. O. Fein

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-77

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Approved Tank Farm Specific Procedures

Schedule ID: N1C370A20

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.07

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-262

Completion Date: 5/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA	[] REPORT	[] DOE-HQ
[] DOE-HQ	[] LETTER	[] DOE-RL
[] DOE-RL	[] DRAWINGS	[] Other
[X] CONTRACTOR	[X] Other Transfer (Specify): Procedures	(Specify):

Description and what constitutes completion of this commitment:

This milestone will be complete with the issuance of five (5) transfer procedures. These transfer procedures will describe the routes the routes to be used and equipment/ instrumentation necessary to perform the transfer. These transfer procedures will contain the information for pumping all of the tanks within the tank farm to the designated receiver. USQ screenings will be performed for these procedures to ensure the requirements have been met. No additional safety assessments will be done to cover the transfer of waste from a hydrogen watchlist tank.

Acceptance Criteria:

The procedures for the emergency transfer of waste will include information necessary to transfer waste from all tanks within a tank farm. The transfer procedures will be developed and approved in accordance with the WHC procedures and policies.

Deliverables:

Five (5) issued transfer procedures (5/31/94)

R. A. Dodd
Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

L. C. Mercado

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-78

WHC TWRS Milestone Description Sheet

Page 2 of 1

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

L. C. Mercado

Activity Manager

~~G. E. Bishop~~

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop~~

DOE Manager (agreement)

Date

Date

D2-79

WHC TWRS Milestone Description Sheet

Title: ^{approx} Prepare 3000 Cubic Feet of Waste Per Month (February)

Schedule ID:

(All solid waste generated by Tank Farms)

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-265

Completion Date: 2/28/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[] DOE-RL

[] DOE-RL

[] DRAWINGS

[X] Other
(Specify):

[X] CONTRACTOR

[] Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, Dangerous, Low-Level, and Non-Regulated to CWC, 616 burial grounds, and the landfill respectively. this task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616 burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini *J. C. Biagini for J.C. Biagini* 9/10/94
Perf. Org. Mgr.

J. C. Biagini *J. C. Biagini for J.C. Biagini* 9/10/94
Cost Account Manager Date

L. C. Mercado *L. C. Mercado* 9/19/94
Activity Manager Date

~~C. O. Ruud~~ *N/A*
DOE Manager (acceptance) Date

D. M. Lucoff *D. M. Lucoff* 9/16/94
Program Element Manager Date

~~C. O. Ruud~~ *N/A*
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: ^{approve} Prepare 3000 Cubic Feet of Waste Per Month (March)
(All solid waste generated by Tank Farms)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-266

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other
(Specify):☒ CONTRACTOR☒ Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini *J. C. Biagini* for J.C. Biagini 9/60/94
Perf. Org. Mgr.

J. C. Biagini *J. C. Biagini* for J.C. Biagini 9/22/94
Cost Account Manager Date

L. C. Mercado *L. C. Mercado* 9/19/94
Activity Manager Date

~~G. O. Reed~~ *N/A*
DOE Manager (acceptance) Date

D. M. Lucoff *D. M. Lucoff* 9/16/94
Program Element Manager Date

~~G. O. Reed~~ *N/A*
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Prepare ^{approx.} 3000 Cubic Feet of Waste Per Month (April)
(All solid waste generated by Tank Farms)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-267

Completion Date: 4/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other *
(Specify):☒ CONTRACTOR☐ Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini *BO. Hagnun for J.C. Biagini* 9/20/94
Perf. Org. Mgr.

J. C. Biagini *BO. Hagnun for J.C. Biagini* 9/20/94
Cost Account Manager Date

L. C. Mercado *J.C. Mercado* 9/19/94
Activity Manager Date

G.O. Ruud N/A
DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
Program Element Manager Date
G.O. Ruud N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Prepare ^{approx} 3000 Cubic Feet of Waste Per Month (May)
 (All solid waste generated by Tank Farms)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-268

Completion Date: 5/31/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other
(Specify):☒ CONTRACTOR☐ Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini *GA. Higgins for J.C. Biagini* 9/20/94
 Perf. Org. Mgr.

J. C. Biagini *GA. Higgins for J.C. Biagini* 9/20/94
 Cost Account Manager Date

L. C. Mercado *LC Mercado* 9/19/94
 Activity Manager Date

~~E. O. Rudd~~ *N/A*
 DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
 Program Element Manager Date

~~E. O. Rudd~~ *N/A*
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

approx.
Title: Prepare 3000 Cubic Feet of Waste Per Month (June)
(All solid waste generated by Tank farms)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-269

Completion Date: 6/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other *☒ CONTRACTOR☐ Other Cost Account
(Specify): Manager

(Specify):

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month

J. C. Biagini *J.C. Biagini for J.C. Biagini 9/10/94*
Perf. Org. Mgr.

J. C. Biagini *J.C. Biagini for J.C. Biagini 9/10/94*
Cost Account Manager Date

L. C. Mercado *L.C. Mercado 9/15/94*
Activity Manager Date

S.O. Reed N/A
DOE Manager (acceptance) Date

D. M. Lucoff *D.M. Lucoff 9/16/94*
Program Element Manager Date

S.O. Reed N/A
DOE Manager (agreement) Date

D2-84

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Prepare ^{approx} 3000 Cubic Feet of Waste Per Month (July)
 (All solid waste generated by Tank Farms)

Schedule ID: _____

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-270

Completion Date: 7/31/95

Milestone Class:	Deliverable:	Addressed to:
☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DOE-HQ	☒ LETTER	☐ DOE-RL
☐ DOE-RL	☐ DRAWINGS	☒ Other (Specify):
☒ CONTRACTOR	☐ Other Cost Account (Specify): Manager	

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and th landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that mor

J. C. Biagini	<i>J.C. Biagini for J.C. Biagini 9/20/94</i>		
Perf. Org. Mgr.			
J. C. Biagini	<i>J.C. Biagini for J.C. Biagini 9/6/94</i>	D. M. Lucoff	<i>DM Lucoff 9/16/94</i>
Cost Account Manager	Date	Program Element Manager	Date
L. C. Mercado	<i>L.C. Mercado 9/12/94</i>	G.O. Roud N/A	
Activity Manager	Date	DOE Manager (agreement)	Date
G.O. Roud N/A			
DOE Manager (acceptance)	Date		

D2-85

WHC TWRS Milestone Description Sheet

Title: Prepare ^{approx.} 3000 Cubic Feet of Waste Per Month (August)

Schedule ID:

(All solid waste generated by Tank Farms)

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-271

Completion Date: 8/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[] DOE-RL

[] DOE-RL

[] DRAWINGS

[X] Other
(Specify):

[X] CONTRACTOR

[] Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that mon

J. C. Biagini *PL Hagnum for J.C. Biagini 9/8/94*
Perf. Org. Mgr.

J. C. Biagini *PL Hagnum for J.C. Biagini 9/8/94*
Cost Account Manager Date

D. M. Lucoff *DM Lucoff 9/16/94*
Program Element Manager Date

L. C. Mercado *LC Mercado 9/15/94*
Activity Manager Date

~~S. O. Flood~~ *N/A*
DOE Manager (agreement) Date

~~S. O. Flood~~ *N/A*
DOE Manager (acceptance) Date

WHC TWRS Milestone Description Sheet

Title: Prepare 3000 Cubic Feet of Waste Per Month (September) Schedule ID:

All solid waste generated by Tank Farms) Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-272

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other
(Specify):☒ CONTRACTOR☐ Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month

J. C. Biagini *J. C. Biagini for J. C. Biagini 9/12/94*
Perf. Org. Mgr.

J. C. Biagini *J. C. Biagini for J. C. Biagini 9/12/94*
Cost Account Manager Date

L. C. Mercado *L. C. Mercado 9/12/94*
Activity Manager Date

G. O. Road N/A
DOE Manager (acceptance) Date

D. M. Lucoff *D. M. Lucoff 9/16/94*
Program Element Manager Date

G. O. Road N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Volume Reduce (Compact) 4000 Cubic Feet of Waste
(First Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-273

Completion Date: 12/31/94

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other
(Specify):☒ CONTRACTOR☒ Other Cost Account
(Specify): Manager

Description and what constitutes completion of this commitment:

Volume Reduce (Compact) 4000 cuft/quarter of low-level waste.

Acceptance Criteria:

The waste shall be sent offsite to a volume reduction facility. the waste shall be volume reduced (compacted) and returned to the Hanford Site.

Note: Contingent on DOE-RL placing a contract for volume reduction.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was volume reduced during the quarter. The letter shall also state the percent reduction achieved.

J. C. Biagini *B.C. Hagron for J.C. Biagini 9/10/94*
Perf. Org. Mgr.

J. C. Biagini *B.C. Hagron for J.C. Biagini 9/10/94*
Cost Account Manager Date

L. C. Mercado *LC Mercado 9/12/94*
Activity Manager Date

~~G. O. Road~~ *N/A*
DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff 9/16/94*
Program Element Manager Date

~~G. O. Road~~ *N/A*
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Volume Reduce (Compact) 4000 Cubic Feet of Waste
(Second Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-274

Completion Date: 3/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[X] Other Cost Account
(Specify): Manager

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

Volume Reduce (Compact) 4000 cuft/quarter of low-level waste.

Acceptance Criteria:

The waste shall be sent offsite to a volume reduction facility. the waste shall be volume reduced (compacted) and returned to the Hanford Site.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was volume reduced during the quarter. The letter shall also state the percent reduction achieved.

J. C. Biagini *B.G. Hagnum for J.C. Biagini* 9/30/94
Perf. Org. Mgr.

J. C. Biagini *B.G. Hagnum for J.C. Biagini* 9/30/94
Cost Account Manager Date

L. C. Mercado *L.C. Mercado* 9/16/94
Activity Manager Date

~~G. O. Road~~ *N/A*
DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
Program Element Manager Date

~~G. O. Road~~ *N/A*
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Volume Reduce (Compact) 4000 Cubic Feet of Waste
(Third Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-275

Completion Date: 6/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[-] REPORT
[X] LETTER
[] DRAWINGS
[X] Other Cost Account
(Specify): Manager

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

Volume Reduce (Compact) 4000 cuft/quarter of low-level waste.

Acceptance Criteria:

The waste shall be sent offsite to a volume reduction facility. the waste shall be volume reduced (compacted) and returned to the Hanford Site.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was volume reduced during the quarter. The letter shall also state the percent reduction achieved.

J. C. Biagini *DL Hagman for J.C. Biagini* 9/30/94

Perf. Org. Mgr.

J. C. Biagini *DL Hagman for J.C. Biagini* 9/30/94

Cost Account Manager

Date

L. C. Mercado *LC Mercado* 9/16/94

Activity Manager

Date

~~G. O. Roud~~ *N/A*

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

Date

~~G. O. Roud~~ *N/A*

DOE Manager (agreement)

Date

D2-90

WHC TWRS Milestone Description Sheet

Title: Volume Reduce (Compact) 4000 Cubic Feet of Waste
(Fourth Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-276

Completion Date: 9/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[X] Other Cost Account
(Specify): Manager

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

Volume Reduce (Compact) 4000 cuft/quarter of low-level waste.

Acceptance Criteria:

The waste shall be sent offsite to a volume reduction facility. the waste shall be volume reduced (compacted) and returned to the Hanford Site.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was volume reduced during the quarter. The letter shall also state the percent reduction achieved.

J. C. Biagini *[Signature]* for J.C. Biagini 9/30/94
Perf. Org. Mgr.

J. C. Biagini *[Signature]* for J.C. Biagini 9/30/94
Cost Account Manager Date

L. C. Mercado *[Signature]* 9/16/94
Activity Manager Date

~~G. O. Ruud~~ N/A
DOE Manager (acceptance) Date

D. M. Lucoff *[Signature]* 9/16/94
Program Element Manager Date

~~G. O. Ruud~~ N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Prepare 9000 Cubic Feet of Waste for Shipment (First Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-277

Completion Date: 12/31/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other Cost Account
(Specify): Manager

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

Prepare 9000 cuft/quarter of Mixed, Dangerous, Low-Level, and Non-Regulated waste for shipment to CWC, 616, burial grounds, and the landfill respectively. This task includes packaging and repackaging, labeling and paperwork per SDAR and 49CFR requirements.

Acceptance Criteria:

Waste shall be prepared per applicable SDAR, WHC-CM-2-14, and 49CFR.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was prepared for shipment during that quarter.

J. C. Biagini *P. C. Hagnum for J.C. Biagini* 9/30/94
Perf. Org. Mgr.

J. C. Biagini *P. C. Hagnum for J.C. Biagini* 9/30/94
Cost Account Manager Date

L. C. Mercado *J.C. Mercado* 9/16/94
Activity Manager Date

G. O. Ruud N/A
DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
Program Element Manager Date

G. O. Ruud N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Prepare 9000 Cubic Feet of Waste for Shipment (Second Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-278

Completion Date: 3/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other Cost Account
(Specify): Manager

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

Prepare 9000 cuft/quarter of Mixed, Dangerous, Low-Level, and Non-Regulated waste for shipment to CWC, 616, burial grounds, and the landfill respectively. This task includes packaging and repackaging, labeling and paperwork per SDAR and 49CFR requirements.

Acceptance Criteria:

Waste shall be prepared per applicable SDAR, WHC-CM-2-14, and 49CFR.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was prepared for shipment during that quarter.

J. C. Biagini *BC Hagnon for J.C. Biagini 9/10/94*
Perf. Org. Mgr.

J. C. Biagini *BC Hagnon for J.C. Biagini 9/10/94*
Cost Account Manager Date

L. C. Mercado *LC Mercado 9/19/94*
Activity Manager Date

G.O. Rudd N/A
DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff 9/16/94*
Program Element Manager Date

G.O. Rudd N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Prepare 9000 Cubic Feet of Waste for Shipment (Third Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-279

Completion Date: 6/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other Cost Account
(Specify): Manager

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

Prepare 9000 cuft/quarter of Mixed, Dangerous, Low-Level, and Non-Regulated waste for shipment to CWC, 616, burial grounds, and the landfill respectively. This task includes packaging and repackaging, labeling and paperwork per SDAR and 49CFR requirements.

Acceptance Criteria:

Waste shall be prepared per applicable SDAR, WHC-CM-2-14, and 49CFR.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was prepared for shipment during that quarter.

J. C. Biagini *J.C. Biagini for J.C. Biagini* 9/30/94
Perf. Org. Mgr.

J. C. Biagini *J.C. Biagini for J.C. Biagini* 9/30/94
Cost Account Manager Date

L. C. Mercado *L.C. Mercado* 9/16/94
Activity Manager Date

E. G. Rudd N/A
DOE Manager (acceptance) Date

D. M. Lucoff *D.M. Lucoff* 9/16/94
Program Element Manager Date
E. G. Rudd N/A
DOE Manager (agreement) Date

D2-94

WHC TWRS Milestone Description Sheet

Title: Prepare 9000 Cubic Feet of Waste for Shipment (Fourth Quarter)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-280

Completion Date: 9/30/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other Cost Account
 (Specify): Manager

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Prepare 9000 cuft/quarter of Mixed, Dangerous, Low-Level, and Non-Regulated waste for shipment to CWC, 616, burial grounds, and the landfill respectively. This task includes packaging and repackaging, labeling and paperwork per SDAR and 49CFR requirements.

Acceptance Criteria:

Waste shall be prepared per applicable SDAR, WHC-CM-2-14, and 49CFR.

Deliverables:

A letter shall be issued at the end of the quarter stating the quantity of waste that was prepared for shipment during that quarter.

J. C. Biagini *J.C. Biagini* For. J.C. Biagini 9/10/94
 Perf. Org. Mgr.

J. C. Biagini *J.C. Biagini* For. J.C. Biagini 9/10/94
 Cost Account Manager Date

L. C. Mercado *L.C. Mercado* 9/19/94
 Activity Manager Date

~~G. O. Road~~ *N/A*
 DOE Manager (acceptance) Date

D. M. Lucoff *D. M. Lucoff* 9/16/94
 Program Element Manager Date

~~G. O. Road~~ *N/A*
 DOE Manager (agreement) Date

D2-95

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Prepare ^{approx.} 3000 Cubic Feet of Waste Per Month (October)
 (All solid waste generated by Tank Farms)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-281

Completion Date: 10/30/94

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other Cost Account
 (Specify): Manager

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini *B.A. Hagman for J.C. Biagini* 9/30/94
 Perf. Org. Mgr.

J. C. Biagini *B.A. Hagman for J.C. Biagini* 9/30/94
 Cost Account Manager Date

L. C. Mercado *L.C. Mercado* 9/12/94
 Activity Manager Date

C.O. Flood N/A
 DOE Manager (acceptance) Date

D. M. Lucoff *DMLucoff* 9/16/94
 Program Element Manager Date

C.O. Flood N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: ^{approx.} Prepare 3000 Cubic Feet of Waste Per Month (November)
 (All solid waste generated by Tank Farms)

Schedule ID: _____

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-282

Completion Date: 11/30/94

Milestone Class:

[] TPA

[] DOE-HQ

[] DOE-RL

[X] CONTRACTOR

Deliverable:

[] REPORT

[X] LETTER

[] DRAWINGS

[] Other Cost Account
 (Specify): Manager

Addressed to:

[] DOE-HQ

[] DOE-RL

[X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini OC. Hagnum for J.C. Biagini 9/30/94
 Perf. Org. Mgr. Date

J. C. Biagini OC. Hagnum for J.C. Biagini 9/30/94
 Cost Account Manager Date

L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date

G.O. Ruud N/A
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date

G.O. Ruud N/A
 DOE Manager (agreement) Date

D2-97

WHC TWRS Milestone Description Sheet

Title: Prepare ^{approx.} 3000 Cubic Feet of Waste Per Month (December) Schedule ID:
 (All solid waste generated by Tank Farms) Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.04

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-283

Completion Date: 12/31/94

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other Cost Account
 (Specify): Manager

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Ship 3000 cuft/quarter of Mixed, dangerous, Low-Level and Non-Regulated to CWC, 616, burial grounds, and the landfill respectively. This task includes shipment per SDAR, WHC-CM-2-14 and 49CFR requirements.

Acceptance Criteria:

Waste shall be shipped to CWC, 616, burial grounds and landfill per SDAR, WHC-CM-2-14 and 49CFR.

Deliverables:

A letter shall be issued at the end of each month stating the quantity of waste that was shipped during that month.

J. C. Biagini *De Hagnum for J.C. Biagini* 9/30/94
 Perf. Org. Mgr.

J. C. Biagini *De Hagnum for J.C. Biagini* 9/30/94
 Cost Account Manager Date

L. C. Mercado *LC Mercado* 9/19/94
 Activity Manager Date

G. O. Ruud N/A
 DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
 Program Element Manager Date
~~G. O. Ruud~~ N/A
 DOE Manager (agreement) Date

D2-98

WHC TWRS Milestone Description Sheet

Title: Perform Annual S/RIDs Nuclear Safety Compliance Assessment

Schedule ID: N1C38OP1

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-286

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Perform the FY 1995 annual S/RIDs Nuclear Safety Compliance Assessment.

Acceptance Criteria:

Deliverables:

Completion of the FY 1995 Annual S/RIDs Nuclear Safety Compliance Assessment

R. B. Gelman

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

~~G. E. Bishop~~

DOE Manager (acceptance)

R. B. Gelman 9/20/94

R. B. Gelman 9/20/94

L. C. Mercado 9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop~~

DOE Manager (agreement)

Date

Date

D2-99

WHC TWRS Milestone Description Sheet

Title: Update Three Interim Safety Equipment Lists (ISEL)

Schedule ID: N1C38OL04

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-287

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Update all three Interim Safety Equipment Lists (ISEL) to incorporate analysis from the ASA to provide a consistent set of safety documentation. This effort will start on June 1, 1995 (upon submittal of the revised OSRs to DOE-RL for approval) and may continue into FY 1996.

Acceptance Criteria:

Deliverables:

Submittal of revisions to DOE-RL

R. B. Gelman R. B. Gelman 9/20/94
 Perf. Org. Mgr.
 R. B. Gelman R. B. Gelman 9/20/94
 Cost Account Manager Date
 L. C. Mercado L. C. Mercado 9/19/94
 Activity Manager Date
~~G. E. Bishop~~ N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
 Program Element Manager Date
~~G. E. Bishop~~ N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete TWRS FY 1995 Phase 2 S/RID Assessment

Schedule ID: N1C3AOB24

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.10

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-288

Completion Date: 5/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[X] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

A report will be prepared and issued that describes how the Phase 2 S/RID assessment activities were carried out, compiles the results of the functional area assessments, and provides a summary of significant deficiencies and recommendations in the functional area reports. The Phase 2 Assessment report will incorporate the results of field validation activities for approximately one third of the TWRS S/RID requirements in the 18 S/RID functional areas.

The Phase 2 Assessment will be accomplished as part of the TWRS on-going self-assessment process to provide a continuing basis for confidence that conditions and activities at Tank Farms adhere to the applicable facility S/RID requirements. The Phase 2 Assessment will identify discrepant conditions and recommend the corrective actions necessary to mitigate any major safety, health or environmental deficiencies identified. An Annual Assessment Plan will be prepared to coordinate and define the specific functional area assessments that will be performed and the schedule for their performance. Specific Functional Area workbooks will be developed by each Functional Area Owner to identify the specific scope of the assessment, the assessment team members and the assessment methodology, including definition of performance objectives, and review criteria. Following the completion of the individual functional area assessment activities, the final report will be prepared.

Acceptance Criteria:

Deliverables:

Functional Area Assessment Reports

Summary report compiling the results from the individual functional area assessment reports

J. L. Shelor

Perf. Org. Mgr.

J. L. Shelor

Cost Account Manager

L. C. Mercado

Activity Manager

~~G. E. Bishop/~~
~~M. J. Glasper~~

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop/~~
~~M. J. Glasper~~

DOE Manager (agreement)

Date

Date

D2-101

WHC TWRS Milestone Description Sheet

Title: Corrective Action/Issue Management Pilot Assessment Report

Schedule ID: N1C3AOCO21

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.01.02.10

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-289

Completion Date: 6/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This milestone is to prepare and issue a report which assesses (a self-assessment aided by oversight organizations) the effectiveness of the TWRS Corrective Action/Issue Management Process that is being piloted. The process is a deviation from existing WHC Corrective Action policy that resulted from waivers to RLID 1000.1 "Self Assessment", and (WHC CM-1-4) "Corrective Action Management". These waivers allow TWRS to consolidate similar conditions into programmatic issues and for condition owners to have closure authority of corrected deficiencies. The report will describe the process procedures, assess the strengths and weaknesses of the modified process, and make a recommendation to continue, extend, or cancel the waivers.

Acceptance Criteria:

None

Deliverables:

Report assessing the Corrective Action/Issue Management Process Pilot.

J. L. Shelor

Perf. Org. Mgr.

J. L. Shelor

Cost Account Manager

L. C. Mercado

Activity Manager

~~G. E. Bishop/
M. J. Gleason~~

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop/
M. J. Gleason~~

DOE Manager (agreement)

Date

Date

D2-102

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: RADCON Compliance Review

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.12

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-290

Completion Date: 12/31/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other (Specify): **WHC Radiological Controls Manager**

Description and what constitutes completion of this commitment:

Completion of this commitment is met when an internal memorandum is delivered to the Director, Radiological Controls, that the Radiological Control Manual (RCM) compliance review has been completed.

Acceptance Criteria:

Implement documentation for RCM compliance for each article in an auditable manner.

Deliverables:

Complete RADCON manual compliance review by December 31, 1994.

B. H. Lueck [Signature] 9/19/94
 Perf. Org. Mgr.
 B. H. Lueck [Signature] 9/19/94
 Cost Account Manager
 L. C. Mercado [Signature] 9/19/94
 Activity Manager
~~A. Hon~~ N/A
 DOE Manager (acceptance)

D. M. Lucoff [Signature] 9/16/94
 Program Element Manager
~~A. Hon~~ N/A
 DOE Manager (agreement)

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Develop CIPs for New IOSRs Developed for Auxiliary
Facilities

Schedule ID: N1C38OK04

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-291

Completion Date: 9/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Develop CIPs for the new IOSRs developed for auxiliary facilities (e.g., 244-A, 204-AR, 242-T) based upon the ASA and implement per the schedules provided.

Acceptance Criteria:

Deliverables:

Submit status letter to DOE-RL 9/30/95

R. B. Gelman R. B. Gelman
Perf. Org. Mgr.
R. B. Gelman 9/20/94
Cost Account Manager Date
L. C. Mercado 9/19/94
Activity Manager Date
G. E. Bishop N/A
DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
Program Element Manager Date
G. E. Bishop N/A
DOE Manager (agreement) Date

D2-104

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Quarterly RCRA Inspection Schedules and Logs

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-307

Completion Date: 7/14/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Quarterly
 (Specify): Revision to
 Inspection
 Schedule

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Maintain Inspection Schedule Database: Update continuously to current equipment field status.
 Revise Inspection Schedule document quarterly and submit revision to document control.
 Assist facility operations with implementation of Inspection Logs in field.
 Review RCRA Inspection Logs for completeness, accuracy, equipment anomalies, and corrective actions.

Acceptance Criteria:

Full implementation of RCRA Inspection Schedule/Log system to satisfy requirements of 40 CFR 264, 265 and WAC 173-303.

Deliverables:

Issue quarterly revision to RCRA Inspection Schedule document.

R. D. Gustavson R. D. Gustavson
 Perf. Org. Mgr.

R. D. Gustavson R. D. Gustavson 9/20/94
 Cost Account Manager Date

L. C. Mercado L. C. Mercado 9/19/94
 Activity Manager Date

G. O. Reed N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
 Program Element Manager Date
~~G. O. Reed~~ N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Quarterly RCRA Inspection Schedules and Logs

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-308

Completion Date: 4/14/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Quarterly
 (Specify): Revision to
 Inspection
 Schedule

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Maintain Inspection Schedule Database: Update continuously to current equipment field status.
 Revise Inspection Schedule document quarterly and submit revision to document control.
 Assist facility operations with implementation of Inspection Logs in field.
 Review RCRA Inspection Logs for completeness, accuracy, equipment anomalies, and corrective actions.

Acceptance Criteria:

Full implementation of RCRA Inspection Schedule/Log system to satisfy requirements of 40 CFR 264, 265 and WAC 173-303.

Deliverables:

Issue quarterly revision to RCRA Inspection Schedule document.

R. D. Gustavson R. D. Gustavson
 Perf. Org. Mgr.
 R. D. Gustavson R. D. Gustavson 9/20/94
 Cost Account Manager Date
 L. C. Mercado L. C. Mercado 9/19/94
 Activity Manager Date
 G. O. Rudd N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D. M. Lucoff 9/16/94
 Program Element Manager Date
 G. O. Rudd N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Quarterly RCRA Inspection Schedules and Logs

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.03

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-309

Completion Date: 1/13/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other

(Specify): Quarterly
 Revision to
 Inspection
 Schedule

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Maintain Inspection Schedule Database: Update continuously to current equipment field status.
 Revise Inspection Schedule document quarterly and submit revision to document control.
 Assist facility operations with implementation of Inspection Logs in field.
 Review RCRA Inspection Logs for completeness, accuracy, equipment anomalies, and corrective actions.

Acceptance Criteria:

Full implementation of RCRA Inspection Schedule/Log system to satisfy requirements of 40 CFR 264, 265 and WAC 173-303.

Deliverables:

Issue quarterly revision to RCRA Inspection Schedule document.

R. D. Gustavson R.D. Gustavson
 Perf. Org. Mgr.

R. D. Gustavson R.D. Gustavson 9/10/94
 Cost Account Manager Date

L. C. Mercado L.C. Mercado 9/19/94
 Activity Manager Date

G.O. Ruud N/A
 DOE Manager (acceptance) Date

D. M. Lucoff D.M. Lucoff 9/16/94
 Program Element Manager Date

G.O. Ruud N/A
 DOE Manager (agreement) Date

D2-107

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Submit Air Operating Permit Application

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.02

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-310

Completion Date: 6/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other WHCAir and
(Specify): Water Permits☒ CONTRACTOR☒ Other Permit
(Specify): Application

Description and what constitutes completion of this commitment:

Submit information on all TWRS Plant air emissions sources to the WHC Air and Water Permits group for preparation of the WHC Air Operating Permit Application. Review draft permit application compiled by the Air and Water Permits group to ensure accuracy. This permit application will be submitted to the Washington Department of Ecology and the Washington Department of Health to satisfy WAC 173-401.

Acceptance Criteria:

TWRS Plant information on air emissions sources is compiled for input to the air operating permit application.

Deliverables:

TWRS Plant input to the air operating permit application is submitted to the WHC Air and Water Permits group.

L. A. Garner

Perf. Org. Mgr.

L. A. Garner

Cost Account Manager

L. C. Mercado

Activity Manager

~~C. O. Road~~ N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

~~C. O. Road~~ N/A

DOE Manager (agreement)

Date

Date

D2-108

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Submit 242-A Evaporator Part B NOD Response Table

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.02

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-311

Completion Date: 10/26/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Prepare Notice of Deficiency (NOD) Response Table to respond to the Notice of Deficiency from the Washington Department of Ecology in June, 1994 on the 242-A Evaporator Part B Permit Application: This NOD response table will respond to specific comments and describe how the Part B Permit Application will be modified.

Acceptance Criteria:

A NOD response table for the 242-A Evaporator Part B Permit Application will be prepared which responds to each comment from the Washington Department of Ecology.

Deliverables:

The NOD Response Table for the 242-A Evaporator Part B Dangerous Waste Permit Application will be delivered to the Washington Department of Ecology.

L. A. Garner *LA Garner* 9/19/94
 Perf. Org. Mgr.
 L. A. Garner *LA Garner* 9/19/94
 Cost Account Manager Date
 L. C. Mercado *LC Mercado* 9/19/94
 Activity Manager Date
 C. O. Ruud
 DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
 Program Element Manager Date
 C. O. Ruud *Casey O. Ruud* 9/20/94
 DOE Manager (agreement) Date

D2-109

WHC TWRS Milestone Description Sheet

Title: Quarterly Report on Regulatory Agency Inspections

Schedule ID:

Revision: 0

Assigned to: Tank Farms Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.02

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-312

Completion Date: 7/15/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

A quarterly report will be prepared which summarizes all environmental regulatory agency inspections at TWRS Plant facilities during the preceding fiscal quarter. This report will identify the regulatory agency performing the inspection, the facility which was inspected, and findings and concerns identified by the inspectors, and any enforcement actions resulting from the inspection.

Acceptance Criteria:

A report summarizing environmental regulatory agency inspections at TWRS Plant facilities will be prepared each fiscal quarter.

Deliverables:

A report summarizing all environmental regulatory agency inspections of TWRS Plant facilities will be delivered to RL TOP each fiscal quarter.

L. A. Garner LA Garner 9/19/94
 Perf. Org. Mgr.
 L. A. Garner LA Garner 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
 C. O. Ruud
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
 C. O. Ruud C. O. Ruud 9/20/94
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Annual Dangerous Waste Report

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.02

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-313

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Prepare TWRS Plant input for generator and TSD facilities for the Hanford Site Annual Dangerous Waste Report. This input will summarize volumes, types, and destinations for all solid and liquid dangerous and mixed wastes generated and managed at TWRS Plant facilities. WHC Regulatory Reporting will compile the Dangerous Waste Report for the Hanford Site and submit this report to the Washington Department of Ecology to meet the requirements of WAC 173-303-380.

Acceptance Criteria:

TWRS Plant information on waste generation, treatment, and storage activities at TWRS Plant facilities is prepared and certified.

Deliverables:

TWRS Plant input to the Hanford Site Annual Dangerous Waste Report is submitted to WHC Regulatory Reporting.

L. A. Garner *L. A. Garner* 9/19/94
 Perf. Org. Mgr.
 L. A. Garner *L. A. Garner* 9/19/94
 Cost Account Manager
 L. C. Mercado *L. C. Mercado* 9/19/94
 Activity Manager
~~C. O. Ruud~~ *N/A*
 DOE Manager (acceptance) Date

D. M. Lucoff *D. M. Lucoff* 9/16/94
 Program Element Manager
~~C. O. Ruud~~ *N/A*
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: EPCRA 312 Report

Schedule ID:

Revision: 0

Assigned to: Tank Farms Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.02

ADS No.: 1100-0-NC

Milestone Control No.: T2A-95-314

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Prepare TWRS Plant input to the EPCRA 312 (Hazardous Chemical Inventory) report summarizing the inventory of all hazardous chemicals in use or in storage at TWRS Plant facilities. WHC Regulatory Reporting will compile the EPCRA 312 report for the Hanford Site for submittal to the Washington Department of Ecology.

Acceptance Criteria:

TWRS Plant input on hazardous chemical inventory is prepared and certified.

Deliverables:

Submit TWRS Plant input for the EPCRA 312 report to WHC Regulatory Reporting.

L. A. Garner
 Perf. Org. Mgr.

LA Garner 9/19/94

L. A. Garner

LA Garner 9/19/94

Cost Account Manager

Date

L. C. Mercado

LC Mercado 9/19/94

Activity Manager

Date

~~G. O. Ruud~~

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

DM Lucoff

9/16/94

Program Element Manager

Date

~~G. O. Ruud~~

N/A

DOE Manager (agreement)

Date

D2-112

WHC TWRS Milestone Description Sheet

Title: EPCRA 313 Report

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.02

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-315

Completion Date: 6/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Prepare TWRS Plant input for the EPCRA 313 (Toxic Substances Release) on the use and release of toxic substances at TWRS Plant facilities. WHC Regulatory Reporting will compile this information for the Hanford Site and submit the EPCRA 313 Report to the Washington Department of Ecology.

Acceptance Criteria:

TWRS Plant input on toxic substance releases is prepared and certified.

Deliverables:

TWRS Plant input to the EPCRA 313 report is submitted to WHC Regulatory Reporting.

L. A. Garner LA Garner 9/19/94
 Perf. Org. Mgr.
 L. A. Garner LA Garner 9/19/94
 Cost Account Manager Date
 L. C. Mercado LC Mercado 9/19/94
 Activity Manager Date
 C. G. Reed N/A
 DOE Manager (acceptance) Date

D. M. Lucoff DMLucoff 9/16/94
 Program Element Manager Date
 C. G. Reed N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Implement Program Documents and Procedures for
Administrative Controls

Schedule ID: N1C380J09

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-317

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☒ Other Procedures
(Specify):

Description and what constitutes completion of this commitment:

Prepare program documents and procedures for implementation of Administrative controls. Significant effort anticipated on the following:

- * Compatibility 3/30/95
- * Watch List 3/30/95
- * Dome Load 10/30/94
- * Flammable Gas 3/30/95
- * Corrosion Control 6/30/95
- * Heat Load 6/30/95
- * Cathodic Protection 6/30/95
- * Concrete Tank Temp. 6/30/95

Acceptance Criteria:

Deliverables:

R. B. Gelman

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

~~G. E. Bishop~~

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

~~G. E. Bishop~~

DOE Manager (agreement)

Date

D2-114

WHC TWRS Milestone Description Sheet

Title: Phase 2 Strategy For IOSR

Schedule ID: N1C38OBO7

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.08

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-318

Completion Date: 3/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Complete implementation of the remainder of Phase 2 strategy for IOSR

Acceptance Criteria:

Deliverables:

Submit letter to DOE-RL stating completion of this phase.

R. B. Gelman

Perf. Org. Mgr.

R. B. Gelman

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

9/20/94

9/20/94

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/20/94

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Compliance Documentation of 10CFR835 (Code and Federal Regulation on Occupational Radiation Protection)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.12

ADS No.: 1100-0-NC

Milestone Control No.: T2A-96-108
5319

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

WHC
Radiological
Controls
Manager

Description and what constitutes completion of this commitment:

Completion of this commitment is met when an internal memorandum is delivered to the Director, Radiological Controls, that the 10CFR compliance review has been completed.

835

Acceptance Criteria:

Implementation documentation for 10CFR835 compliance is in place in an auditable manner.

Deliverables:

Complete the 10CFR835 compliance review by September 30, 1995.

B. H. Lueck BH Lueck 9/19/94
Perf. Org. Mgr.
B. H. Lueck BH Lueck 9/19/94
Cost Account Manager Date
L. C. Mercado L. C. Mercado 9/19/94
Activity Manager Date
A. Hon N/A
DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
Program Element Manager Date
A. Hon N/A
DOE Manager (agreement) Date

D2-116

WHC TWRS Milestone Description Sheet

Title: Full Compliance with DOE Radiological Control Manual (RCM)

Schedule ID:

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.02.12

ADS No.: 1100-O-NC

Milestone Control No.: T2A-95-321

Completion Date: 3/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify): WHC Radiological Controls Manager

Description and what constitutes completion of this commitment:

Tank Farm Operations and Tank Waste Remediation Health Physics (TWRHP) shall be in full compliance with all Articles of the DOE Radiological Control Manual, Rev. 1, by March 31, 1995.

Acceptance Criteria:

Documenting results that East and West Tank Farm Operations are in compliance with all articles of the DOE RADCON Manual, Rev. 1. Implementation documentation for (RCM) compliance is in place, in an auditable manner, for each Article.

Deliverables:

Transmittal of a letter to DOE-RL documenting compliance with Rev. 1 of the DOE Radiological Control Manual.

B. H. Lueck

Perf. Org. Mgr.

B. H. Lueck

Cost Account Manager

L. C. Mercado

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/19/94

Date

Date

D2-117

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Double Shell Tank Space Evaluation (M-46-00B)

Schedule ID: N1F660H26

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-107

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☒ TPA M-46-00B☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTR☒ Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

This activity prepares the Operational Waste Volume Projection, required per TPA Milestone M-46-00B, for fiscal year 1995. The Operation Waste Volume projection will be approved in accordance with WHC policies and procedures.

Acceptance Criteria:

Deliverables:

This projection identifies tank space needs and projected additions.

N. W. Kirch

NWK

9/19/94

Perf. Org. Mgr.

R. A. Dodd

RAD

9/19/94

Cost Account Manager

Date

P. Hinojosa

P. Hinojosa

9/19/94

Activity Manager

Date

G. Z. Morgan

G. Z. Morgan

9/19/94

DOE Manager (acceptance)

Date

D. M. Lucoff

DMLucoff

9/16/94

Program Element Manager

Date

G. Z. Morgan

DOE Manager (agreement) acceptance

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Maintain Work Package Closeout Cycle Time

Schedule ID: N1F620A45

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-120

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☒ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other JL Lee w/cc
(Specify): to DOE-RL☒ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Cycle times for close out of packages will be tracked by Production Control. Cycle time for closeout prior to FY 1994 was 142 days, the goal is to maintain close out cycle times for work packages of less than thirty days.

Acceptance Criteria:

Acceptance criteria is that close out cycle times for work packages are maintained at less than 30 days average for the fiscal year.

Deliverables:

A monthly report will be provided to the Director, Operations and Maintenance, which includes close out cycle times.

H. P. Fox

Perf. Org. Mgr.

K. W. Leliefeld

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-119

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Maintain Operations Essential Equipment up Time > 90% Schedule ID: N1F620A55

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-121

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☒ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other JL Lee w/cc
(Specify): to DOE-RL☒ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Essential equipment to the operation of tank farms such as FICs, ENRAFs, compressors, exhausters, alarms and CASS instruments will be tracked to provide a history basis for operational status.

Acceptance Criteria:

Essential equipment, identified by Maintenance, Operations and Engineering, will be monitored to identify uptime/downtime of equipment. Acceptance is to maintain greater than 90% for the fiscal year average for the equipment.

Deliverables:

A monthly report will be provided to the Director, Operations and Maintenance, identifying essential equipment and graphing the operability percentage for the equipment. Incorporate the Safety Equipment List (SEL) to track and provide a history for operational basis as soon as possible. Implementation status is to be provided periodically.

H Fox/K Leliefeld

Perf. Org. Mgr.

K. W. Leliefeld

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Achieve Corrective Maintenance Backlog Reduction

Schedule ID: N1F620B15

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-122

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other JL Lee w/cc
 (Specify): to DOE-RL

Description and what constitutes completion of this commitment:

Increased productivity in performance of corrective maintenance work packages will permit backlogged packages to be worked. A total tank farm and evaporator backlog of 1,200 work packages or less at September 30, 1995 constitutes successful completion. This will be a reduction in the backlog that has remained steady at approximately 1,900 items for the last three years.

Acceptance Criteria:

The backlog to be measured consists of the total JCS work requests not yet worked.

Deliverables:

A monthly report will be provided to the Director, Operations and Maintenance, which includes data on the current status of the backlog reduction.

H Fox/K Liefeld

Perf. Org. Mgr.

K. W. Liefeld

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-12/

WHC TWRS Milestone Description Sheet

Title: Develop Maintenance Implementation Plan

Schedule ID: N1F620C10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-123

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other MIP
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

A Maintenance Implementation Plan (MIP) will be developed after Rule 10 CFR (4330.4B) has been issued. The Three Year Maintenance Plan (TYMP) will be developed and a draft submitted to DOE-RL for review.

Acceptance Criteria:

The MIP will be delivered to DOE-RL for their review within twelve months AFTER the 10 CFR rule has been issued. The TYMP will be delivered to DOE-RL for their review.

Deliverables:

The TYMP to DOE-RL by March 31, 1995.

K. W. Leliefeld

Perf. Org. Mgr.

K. W. Leliefeld

Cost Account Manager

P. Hinojosa

Activity Manager

G. Z. Morgan

DOE Manager (acceptance)

agreement

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. Z. Morgan

DOE Manager (agreement) acceptance

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Maintain Preventive Maintenance Delinquencies < 8%

Schedule ID: N1F620A65

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-125

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other JL LEE w/cc
 (Specify): to DOE-RL

Description and what constitutes completion of this commitment:

Field work activities for preventative maintenance will be tracked and monitored for delinquencies. The performance of preventative maintenance work activities will be provided in a monthly report.

Acceptance Criteria:

Less than eight percent (8%) of the PM's required to be performed will be delinquent.

Deliverables:

A monthly report will be provided to the Director, Operations and Maintenance, which provides number of PM's completed versus required by each area (East, West, Evaporator).

K. W. Leliefeld [Signature]
 Perf. Org. Mgr.
 K. W. Leliefeld [Signature] for 9/19/94
 Cost Account Manager Date
 P. Hinojosa [Signature] 9/16/94
 Activity Manager Date
 N/A
 DOE Manager (acceptance) Date

D. M. Lucoff [Signature] 9/16/94
 Program Element Manager Date
 N/A
 DOE Manager (agreement) Date

D2-123

WHC TWRS Milestone Description Sheet

Title: Maintain Work Package Suspensions Rate

Schedule ID: N1F620B25

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-126

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other JL Lee.w/cc
 (Specify): to DOE-RL

Description and what constitutes completion of this commitment:

The Production Control organization will monitor work package suspensions and provide data depicting the rate of suspensions and reasons for the suspensions. Work package suspensions averaged 54% in FY93 and FY94 work package suspension has dropped to 12%. The goal in FY95 is to maintain the suspensions at less than 10%.

Acceptance Criteria:

Work Package suspensions will be maintained at less than 10% on a fiscal year annual average.

Deliverables:

A monthly report will be provided to the Director, Operations and Maintenance, which includes the suspension data and rate.

H. P. Fox

Perf. Org. Mgr.

K. W. Liefeld

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-124

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 45 Internal (DCRTs, Catch Tank, Tank-to-Tank)
Waste Transfers in 200 East Area

Schedule ID: N1F630C10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.03

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-127

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS
☒ Other (Specify): Manager
Integrated
Recovery
Schedule
☒ CONTRACTOR
☒ Other (Specify): Integrated
Schedule
Statused

Description and what constitutes completion of this commitment:

Receive, store and transfer radioactive liquid waste from Hanford facilities into underground storage tanks via waste transfer systems allowing sufficient tank space to accommodate contents of largest pumpable liquid inventory of any single-shell tank in 200 East Area. Transfer routes will be developed, set-up and verified. Performing pumper changes, pressure tests, pump removals and construction of containment structures will be conducted as required to support 45 internal waste transfers. ~~Specifically to approximately:~~

- 20 catch tank transfers
- 10 Double Contained Receiver Tank (DCRT) transfers
- 15 miscellaneous tank-to-tank transfers

Acceptance Criteria:

Documented results that identify the successful completion of 45 internal transfers within 200-E Tank Farms.

Deliverables:

Conduct 45 internal (Double Contained Receiver Tanks, Catch Tank, Tank-to-Tank) waste transfers, allowing sufficient tank space to accommodate contents of largest pumpable liquid inventory of any Single Shell Tank (SST) in 200 East Area. This is to include ~~approximately:~~

- 20 catch tank transfers
- 10 Double Contained Receiver Tank (DCRT) transfers
- 15 miscellaneous tank-to-tank transfers

R. Ni

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-125

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Restore Cross-Site Transfer Capability in 200 East Area

Schedule ID: N1F630E10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.03

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-128

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Restore the Cross-Site Transfer Capability in 200 East Area. This is to include:
 - Support the development of work plans/packages to restore cross-site transfer capability.
 - Conduct all jumper changes necessary to support the transfer deliverables.

Acceptance Criteria:

Work packages are prepared and jumper changes are executed to place the cross-site transfer line in an acceptable condition to transfer waste from 200 West Tank Farms.

Deliverables:

Submittal of a letter to DOE-RL documenting the readiness of the E/W Transfer Line to accept a transfer.

R. Ni

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

G. Z. Morgan

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. Z. Morgan

DOE Manager (agreement)

Date

Date

D2-126

WHC TWRS Milestone Description Sheet

Title: Complete 13 External (222-S, 300 Area, T-Plant, etc.)
HLW/LLW Waste Shipments in 200 East Area

Schedule ID: N1F630D10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.03

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-129

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Integrated
(Specify): Schedule
Statused

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Support 13 external (222-S, 300 Area, T-Plant, etc.) High-Level Waste/Low-Level Waste (HLW/LLW) waste shipments from other Hanford Site facilities in operation or cleanup phases to avoid noncompliance or operation interruptions at those facilities.

Acceptance Criteria:

Documented results that identify the successful completion of ¹³~~15~~ external waste transfers.

Deliverables:

Successful completion of 13 external (222-S, 300 Area, T-Plant, PUREX, etc.) waste transfers. Results will be reported monthly by statusing the Integrated Schedule.

R. Ni 9/19/94
Perf. Org. Mgr
R. Ni 9/19/94
Cost Account Manager Date
P. Hinojosa 9/19/94
Activity Manager Date
N/A
DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
Program Element Manager Date
N/A
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Perform 200 East Area Tank Farm Operating Parameters

Schedule ID: N1F640C10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.04

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-131

Completion Date: 9/29/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Integrated
 (Specify): Schedule
 Stated

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager
 (Specify): Integrated
 Recovery
 Schedule

Description and what constitutes completion of this commitment:

Perform 200 East Tank Farm operating parameters. This is to include:
 - Issue Surveillance Alert List on a monthly basis per WHC-IP-0842.
 - Issue weekly liquid level instrumentation status.

Acceptance Criteria:

Successful issuance of monthly Alert List and weekly liquid level status report.

Deliverables:

12 monthly Alert Lists and 52 weekly liquid level status reports are issued, and Integrated Schedule stated monthly.

J. S. Schofield

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-128

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Perform Tank Evaporation Analysis in 200 East Area

Schedule ID: N1F640D10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.04

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-132

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other (Specify): Manager Integrated Recovery Schedule☒ CONTRACTOR☒ Other (Specify): Stated Integrated Schedule

Description and what constitutes completion of this commitment:

The surveillance program reviews technical data associated with the East Tank Farm leak detection systems and temperature monitoring compliance with Operational Safety Requirements (OSR's), Operating Specifications Documents (OSD's), and waste tank leak detection monitoring programs. Two evaporation analyses are anticipated for FY95. In addition to these activities, a generic database and sets of tables/plots will be developed for use in future evaporation analysis.

Acceptance Criteria:

Deliverables:

Perform tank evaporation analysis in 200 East Area. This is to include:

- Issuance of two tank evaporation analyses.
- Develop generic database and issue sensitivity plots for future tank evaporation analysis.

J. S. Schofield

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-129

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 East Area Surveillance Operations
(LOWs/Drywells)

Schedule ID: N1F640E10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.04

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-133

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Integrated
(Specify): Schedule
Statused

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Perform surveillance operations (LOWs/Drywells) in 200 East Area. This is to include:
- Obtain drywells, LOWs, and Laterals within specified frequencies to assure detection of tank leaks and unsafe or non-compliant conditions.
- All recovery actions for missed readings will be completed within specified limits as stated in the OSD-00031.

Acceptance Criteria:

Completion of all drywells, LOWs, and Laterals in accordance with OSD-00031.

Deliverables:

Documented completion of all LOWs, drywells, and Laterals within OSD-00031 specified frequencies and by statusing the Integrated Schedule monthly.

R. Ni

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

9/19/94

9/19/94

9/19/94

9/19/94

9/19/94

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-130

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 East Area 9 In-Tank Photography/20 Pit Inspections

Schedule ID: N1F640F20

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.04

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-134

Completion Date: 9/29/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

Deliverable:

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Tank
 (Specify): Photos/Pit
 Videos

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [X] Other Tank Farm
 (Specify): System Eng.

Description and what constitutes completion of this commitment:

Perform In-Tank Photography and Pit Inspections in 200 East Area. This is to include:

- Complete 9 in-tank photography missions.
- Complete 20 pit inventory and/or inspections videos.

Acceptance Criteria:

Documented results of 9 in-tank photos and 20 pit inventory videos.

Deliverables:

Transmittal of 9 in-tank photos and 20 pit inventory videos for DOE-RL review.

R. Ni

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

G. Z. Morgan

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

G. Z. Morgan

DOE Manager (agreement)

9/16/94

Date

9/19/94

Date

D2-131

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Health Physics Issuance of Monthly Radiological Status Report for 200 East Area Schedule ID: N1F640G20
Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.04

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-135

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Statused
(Specify): Integrated
Schedule

[] DOE-HQ
[] DOE-RL
[X] Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Health Physics provides required surveys at East Tank Farms on a routine schedule as required by applicable regulations. This includes radiation monitoring, personnel, radiological and work place surveys. They perform/monitor source checks, PCM1B source checks on a daily basis as well as PCM1B efficiency checks weekly. They provide support to obtain all required DST/SST data within specified frequencies. Health Physics will perform required radiological surveys accordingly as status in current task descriptions, maintaining a 95% completion rate for scheduled radiological surveys. They will issue Monthly Radiological Status Report along with maintaining and updating Tank Farm status maps.

Acceptance Criteria:

Deliverables:

- Health Physics will perform required radiological surveys according to established frequencies as stated in current task descriptions, maintaining a 95% completion rate for scheduled radiological surveys.
- Health Physics will issue 12 Monthly Radiological Status Reports.

B. H. Lueck

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-132

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 East Routine Surveillance

Schedule ID: N1F640A20

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.04

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-136

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA	☐ REPORT	☐ DOE-HQ	
☐ DOE-HQ	☐ LETTER	☐ DOE-RL	
☐ DOE-RL	☐ DRAWINGS	☒ Other	Manager
☒ CONTRACTOR	☒ Other (Specify):	(Specify):	Integrated Recovery Schedule

Stated
Integrated
Schedule

Description and what constitutes completion of this commitment:

Support to Routine Surveillance of Tank Farm Waste Storage Facilities, including:

- Obtain daily and quarterly liquid level readings of DST/SST/catch tanks in accordance to OSD-T-151-00031.
- Prepare/provide engineering data for the analysis of liquid levels, drywells, LOW's temperatures, pressure and other DST/SST data within frequencies to assure detection of tank leaks and unsafe or non-compliant conditions of waste in (83) High-Level Waste (HLW) tanks.
- Obtain 200 East breather filter data per prescribed frequencies (66 Seal Loops).
- Obtain 200 East HLW tank temperature readings.
- Investigate tank anomalies.

Acceptance Criteria:

Deliverables:

Obtain all readings within required frequencies, when ENVIRONMENTAL CONDITIONS ALLOW, AND/OR COMPLY WITH ALL ACTIONABLE STATEMENTS AS CALLED OUT IN THE ISARS IOSR'S / OSD'S

R. Ni

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-133

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Herbicide Spraying per the FY95 Herbicide
Spray Schedule in 200 East Area / *WILSON TANK FARMS*

Schedule ID: N1F630K20

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.03

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-194

Completion Date: 9/29/95

Milestone Class:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

Deliverable:

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ Other Herbicide
(Specify): Spray
Schedule &
Integrated
Schedule

Addressed to:

☐ DOE-HQ
☐ DOE-RL
☒ Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Complete herbicide spraying per the Fiscal Year 1995 Herbicide Spray Schedule.

Acceptance Criteria:

Documented results that Herbicide has been applied to the 200 Area sites in accordance the 1995 Spray Schedule.

Deliverables:

Successful completion of the FY 95 Herbicide plan.
Results will be statused monthly on the Integrated Schedule.

C. L. Looney

Perf. Org. Mgr.

R. Ni

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

PER TELECON

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-134

WHC TWRS Milestone Description Sheet

Title: Complete 200 East Area Industrial Hygiene and Safety Review/Approval of 180 WCDs and 600 PDs and Issue Quarterly Report

Schedule ID: N1F630N10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.03

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-195

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[X] Other Integrated
(Specify): Schedule
Statused

[] DOE-HQ
[X] DOE-RL
[X] Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

200 East Area Industrial Hygiene and Safety to provide review and approval of approximately 180 Work Control Documents (WCDs) and 600 Plant Documents (PDs), and issue quarterly summary report.

Acceptance Criteria:

200 East IH & S will review and approve 180 work control documents and 600 plant documents, provided that at least that number are received for review and approval. Numbers are based on estimates of FY-94 reviews.

Deliverables:

Quarterly summary report statusing number of reviews.

S. S. Glover *[Signature]* 9/19/94
Perf. Org. Mgr.
R. Ni *[Signature]* 9/19/94
Cost Account Manager
P. Hinojosa *[Signature]* 9/19/94
Activity Manager
G. Z. Morgan
DOE Manager (acceptance) Date

D. M. Lucoff *[Signature]* 9/16/94
Program Element Manager
G. Z. Morgan *[Signature]* 9/19/94
DOE Manager (agreement) Date

D2-135

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Provide Management of the 1N1F66 Cost Account

Schedule ID: N1F660A04

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-196

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

This activity includes the management and administration of the East Systems Engineering organization and the 1N1F66 Cost Account. Completion of this milestone will include monthly meeting to discuss the 1N1F66 Cost Account and the completion of the 1N1F66 Budget for Fiscal Year 1996.

Acceptance Criteria:

- Monthly interface meetings to discuss and status the FY95 Budget/Expense.
- Development of the Fiscal Year 1996 Budget.

Deliverables:

Development of the Fiscal Year 1996 Budget (9/30/95).

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Co-Locate East Systems Engineers Near Facility

Schedule ID: N1F660F04

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-197

Completion Date: 11/15/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Physical
 (Specify): Relocation

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

This item provides funding to move the East Systems Engineering Organization from their current office to an office location near the Operations Organization. This move has been identified as a productivity improvement.

Acceptance Criteria:

The physical relocation of the East system Engineering Staff.

Deliverables:

The physical relocation of the East Systems Engineering Staff (11/15/94).

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Corrective Maintenance

Schedule ID: N1F660C18

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-198

Completion Date: 9/29/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Engineering
 (Specify): Document

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other Input to Job
 (Specify): Control
 System

Description and what constitutes completion of this commitment:

Provide engineering documentation for 30 work packages per quarter. This activity includes the cost of preparing the engineering documentation; USQ screenings and evaluations; drafting support for incorporation into existing drawings; and the maintenance and update of the Certified Vendor Information files to reflect the modifications.

Acceptance Criteria:

Engineering documentation complete for 30 work packages per quarter in accordance with Engineering Practices.

Deliverables:

- Engineering Documentation for 30 Work Packages (12/31/94).
- Engineering Documentation for 30 Work Packages (3/31/95).
- Engineering Documentation for 30 Work Packages (6/30/95).
- Engineering Documentation for 30 Work Packages (9/30/95).

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-138

WHC TWRS Milestone Description Sheet

Title: The Disposition of 50 NCRS

Schedule ID: N1F660D06

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-199

Completion Date: 3/31/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other NCR
 (Specify): Dispositions

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other WHC Quality
 (Specify): Engineering

Description and what constitutes completion of this commitment:

The disposition of 50 Non-Conformance Reports (NCRs) currently in backlog for East Systems Engineering will be performed. Dispositions will be written and accepted.

Acceptance Criteria:

Fifty (50) Non-Conformance Reports (NCRs) will be dispositioned and the disposition accepted by the Quality Assurance Organization.

Deliverables:

Accepted disposition of fifty (50) NCRs (3/31/95).

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Development/Review of (60) Operating Documents

Schedule ID: N1F660D12

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-200

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Procedure
 (Specify): Review Forms

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager,
 (Specify): East Systems
 Engineering

Description and what constitutes completion of this commitment:

Development, revision, review and approval of 60 operating procedures supporting East Tank Farm Systems. These reviews will be in accordance with the Tank Farm Administration Manual, WHC-IP-0842. Modifications to these operating procedures will be accompanied by the appropriate USQ screening and/or evaluations.

Acceptance Criteria:

The completion of 60 procedure reviews, documented in the procedure review form.

Deliverables:

Issuance of 60 procedure review forms in accordance with WHC-IP-0842.

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Support Routine Transfers - 45 Internal Tank Farm
Transfers - 13 Transfers From Generators

Schedule ID: N1F660D16

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-201

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[X] CONTRACTOR

[X] Other Completed
(Specify): Transfer

Description and what constitutes completion of this commitment:

The technical documentation to support 45 internal tank farm transfers and 13 transfers from generators. The compatibility assessments will be performed in accordance with the tank farm compatibility program. USQ screenings and technical input will be provided for transfer procedure development.

Acceptance Criteria:

This commitment will be complete with the completion of the technical information for 45 internal transfers and 13 transfers from generators.

Deliverables:

- Compatibility Assessments to Support Transfers (9/30/95).
- Technical Input to Transfer Procedures (9/30/95).

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: OSR/OSD CBRS Review and Revision Complete

Schedule ID: N1F660U04

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-0-NF

Milestone Control No.: T2A-95-202

Completion Date: 1/3/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

This activity completes an activity initiated in FY94 to review all OSR/OSD calibration and functional test data sheets to ensure technical accuracy.

Acceptance Criteria:

Approval of CBRS change forms and internal memo to R. Ni documenting completion.

Deliverables:

CBRS input forms reflecting the necessary modifications to the system.

R. A. Dodd

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Develop Repetitive Work Packages 200 East

Schedule ID: 1N1F620B35

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.02

ADS No.: 1100-O-NF

Milestone Control No.: T2A-95-284

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other JL Lee w/cc
 (Specify): to DOE-RL

Description and what constitutes completion of this commitment:

Repetitive maintenance work or new equipment installation (e.g. ENRAF) that will be enhanced through the use of a pre-developed resolution or installation instruction package will be identified. No fewer than nine (9) will be selected to develop a consistent controlled work package that will be used to perform the work activity. The pre-developed package model will be maintained by the production control area manager. This activity will enhance normal package processing cycle time and assist in teaching new personnel the necessary package elements.

Acceptance Criteria:

Development of repetitive work package models used for field package resolutions.

Deliverables:

A written status of this activity will be provided in the monthly report provided to the Direction, Operations and Maintenance, which will provide the number of package models developed by each zone.

H. P. Fox

Ref. Org. Mgr.

K. W. Liefeld

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-143

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Double Shell Tank Space Evaluation (M-46-00C)

Schedule ID: N1F660H626

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-O-NF

Milestone Control No.: T2A-96-104

Completion Date: 9/30/96

Milestone Class:

☒ TPA M-46-00C☐ DOE-HQ☐ DOE-RL☐ CONTR

Deliverable:

☐ REPORT☐ LETTER☐ DRAWINGS☒ Other Response to
(Specify): TPA
Milestone

Addressed to:

☐ DOE-HQ☒ DOE-RL☐ Other
(Specify):

Description and what constitutes completion of this commitment:

This activity prepares the Operational Waste Volume Projection, required per TPA Milestone M-46-00C, for fiscal year 1996. The Operation Waste Volume projection will be approved in accordance with WHC policies and procedures.

Acceptance Criteria:

Deliverables:

This projection identifies tank space needs and projected additions.

N. W. Kirch

Perf. Org. Mgr.

R. A. Dodd

Cost Account Manager

P. Hinojosa

Activity Manager

G. Z. Morgan

DOE Manager (acceptance)

9/19/94

9/12/94

9/19/94

9/19/94

9/19/94

D. M. Lucoff

Program Element Manager

G. Z. Morgan

DOE Manager (agreement) acceptance

9/16/94

Date

Date

D2-199

WHC TWRS Milestone Description Sheet

Title: Double Shell Tank Space Evaluation (M-46-00D)

Schedule ID: N1F660H726

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.03.06

ADS No.: 1100-O-NF

Milestone Control No.: T2A-97-106

Completion Date: 9/30/97

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-46-00D

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

This activity prepares the Operational Waste Volume Projection, required per TPA Milestone M-46-00D, for fiscal year 1997. The Operation Waste Volume projection will be approved in accordance with WHC policies and procedures.

Acceptance Criteria:

Deliverables:

This projection identifies tank space needs and projected additions.

N. W. Kirch NWKirch 9/19/94
 Perf. Org. Mgr.
 R. A. Dodd RA Dodd 9/19/94
 Cost Account Manager
 P. Hinojosa P. Hinojosa 9/19/94
 Activity Manager
 G. Z. Morgan G. Z. Morgan 9/19/94
 DOE Manager (acceptance) G. Z. Morgan 9/19/94

D. M. Lucoff DMLucoff 9/16/94
 Program Element Manager
 G. Z. Morgan
 DOE Manager (agreement) acceptance Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Restore Cross-Site Transfer Capability in 200 West Area

Schedule ID: N1G730E10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.03

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-138

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTRACTOR

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [X] Other Stated
 (Specify): Integrated
 Schedule

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager
 (Specify): Integrated
 Recovery
 Schedule

Description and what constitutes completion of this commitment:

~~Support the development of work plans/packages to~~ Restore the capability to perform cross-site waste transfers by March 31, 1995. This includes:

- development of work plans,
- procedure development, review, and approval,
- pressure test cross-site transfer line,
- sampling and pumping of leak detectors and related catch tanks,
- identification and support of the CBRS/PM's of related instrumentation,
- complete jumper changes

Acceptance Criteria:

All personnel, hardware, and procedures are ready for start of waste transfer from 102-SY to 102-AY by March 31, 1995

All required permits and coordination completed with regulatory agencies.

Deliverables:

Approved cross-site procedure.
 Sample and pump waste from UX-302-A.
 Sample and pump waste from 244-S.
 Sample and pump waste from S-304.
 Pressure test cross-site transfer line.
 Identification and support of the CBRS/PMs of related instrumentation.
 Perform required pit entries and jumper changes needed to establish transfer route.
 Perform transfer from 102-SY to 102-AY.

J. H. Wicks

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

A. D. Toth

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

A. D. Toth

DOE Manager (agreement)

Date

Date

D2-146

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Perform 200 West Area Operating Parameters

Schedule ID: N1G740C10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.04

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-141

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Stated
 (Specify): Integrated
 Schedule

[] DOE-HQ
 [] DOE-RL
 [X] Other Integrated
 (Specify): Schedule
 Status
 Meeting

Description and what constitutes completion of this commitment:

Perform 200 West Area Tank Farm Technical Support. This is to include:
 - Issue (12) Surveillance Alert List on a monthly basis per WHC-IP-0842.
 - Issue (52) weekly liquid level instrumentation status.

Acceptance Criteria:

Successful issuance of monthly Alert List and weekly liquid level status report.

Deliverables:

12 monthly Alert Lists and 52 weekly liquid level status reports are issued, and Integrated Schedule stasured monthly.

J. S. Schofield

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-147

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 West Area Surveillance Operations
(LOWs/Drywells)

Schedule ID: N1G740E10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.04

ADS No.: 1100-O-NG

Milestone Control No.: T2A-95-143

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Integrated
(Specify): Schedule
Statused

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Perform surveillance operations (LOWs/Drywells) in 200 West Area. This is to include:

- Obtain drywells, LOWs and laterals within specified frequencies to assure detection of tank leaks and unsafe or non-compliant conditions.
- Swab riser readings as required from Engineering.

Acceptance Criteria:

Completion of all drywells, LOWs and laterals in accordance with OSD-00031.

Deliverables:

Documented completion of all drywells, LOWs and laterals within OSD-00031 specified frequencies and by statusing the Integrated Schedule monthly.

J. H. Wicks

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-148

WHC TWRS Milestone Description Sheet

Title: Complete Health Physics Issuance of Monthly Radiological Status Report for 200 West Area

Schedule ID: N1G740G10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.04

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-144

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other
(Specify): Stated
Integrated
Schedule

Description and what constitutes completion of this commitment:

Health Physics provides required surveys at West Tank Farms on a routine schedule as required by applicable regulations. This includes radiation monitoring, personnel, radiological and workplace surveys. They perform/monitor source checks, PCM1B source checks on a daily basis as well as PCM1B efficiency checks weekly. They provide support to obtain all required DST/SST data within specified frequencies. ~~Health physics will perform required radiological surveys accordingly as stated in current task descriptions, maintaining a 95% completion rate for scheduled radiological surveys. They will issue Monthly Radiological Status Reports along with maintaining and updating Tank Farm status maps. issue status reports along with maintaining and updating Tank Farm status maps.~~

Acceptance Criteria:

Documented results that identify the completion of the monthly radiological status report for 200 West Area.

Health physics will perform required radiological surveys accordingly as stated in current task descriptions, maintaining a 95% completion rate for scheduled radiological surveys.

Effective monitoring, surveys and radiation-instrument operability assurance will be demonstrated by absence of any reportable, avoidable exposures of personnel or contamination spreads.

Deliverables:

Issue 12 monthly radiological status reports for DOE-RL review.

B. H. Lueck

Perf. Org. Mgr.

9/19/94

J. H. Wicks

Cost Account Manager

Date

19 Sep 94

P. Hinojosa

Activity Manager

Date

9/19/94

A. D. Toth

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

9/16/94

Date

A. D. Toth

DOE Manager (agreement)

9/19/94

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 West Routine Surveillance

Schedule ID: N1G740A10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.04

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-145

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Stated
 (Specify): Integrated
 Schedule

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager
 (Specify): Integrated
 Recovery
 Schedule

Description and what constitutes completion of this commitment:

Support to Routine Surveillance of Tank Farm Waste Storage Facilities, including:

- Obtain daily and quarterly liquid level readings of DST/SST/catch tanks in accordance to OSD-T-151-00031.
- Prepare/provide engineering data for the analysis of liquid levels, drywells, LOW's temperatures, pressure and other DST/SST data within frequencies to assure detection of tank leaks and unsafe or non-compliant conditions of waste in (83) High-Level Waste (HLW) tanks.
- Obtain 200 West breather filter data per prescribed frequencies (66 Seal Loops).
- Obtain 200 West HLW tank temperature readings.
- Investigate tank anomalies.

Acceptance Criteria:

Approved procedures for tank monitoring which will meet all OSD/OSR requirements.

Completion of all liquid level readings, engineering data, breather filter data and temperature readings in accordance with required frequencies.

Deliverables:

Documented completion of all liquid level readings of DST/SST/catch tanks, breather filter data and HLW tank temperature readings within specified frequencies and by statusing the Integrated Schedule monthly.

J. H. Wicks

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Engineering Study for Steam Elimination

Schedule ID: N1G760A04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-O-NG

Milestone Control No.: T2A-95-146

Completion Date: 5/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other Engineering
 (Specify):

Description and what constitutes completion of this commitment:

West System Engineering will conduct a study assessing the feasibility and value gained by removing steam from use as a heating source. This study will be limited to the West Tank Farms.

Acceptance Criteria:

Study will address regulatory requirements, safety aspects, cost savings resulting from reduced maintenance, etc.

Deliverables:

Engineering Study for Steam Elimination.

S. H. Rifaey
 Perf. Org. Mgr.
 S. H. Rifaey 9/19/94
 Cost Account Manager Date
 P. Hinojosa 9/19/94
 Activity Manager Date
 N/A
 DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
 Program Element Manager Date
 N/A
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Issue Designs for Steam Elimination

Schedule ID: N1G760A08

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-147

Completion Date: 8/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other
(Specify):☒ CONTRACTOR☒ Other
(Specify): Conceptual
Design
Requirements

Description and what constitutes completion of this commitment:

If the results of the Engineering study for the elimination of steam from the West Tank Farms shows that it is a viable option, then the design process shall commence with the generation of conceptual design requirements. West Systems Engineering shall prepare any needed conceptual requirements.

Acceptance Criteria:

If the Design Requirements are required, they shall meet the requirements of applicable Engineering Practices. If there is no need to generate design requirements, a letter rationale shall suffice to fulfill this milestone.

Deliverables:

Conceptual Design Requirements for Steam Elimination.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Engineering Study for Compressed Air Elimination

Schedule ID: N1G760B04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-148

Completion Date: 6/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify):

Description and what constitutes completion of this commitment:

West System Engineering will conduct a study assessing the feasibility and value gained by removing compressed air from the West Tank Farms. This study will be limited to the West Tank Farms.

Acceptance Criteria:

Study will address regulatory requirements, safety aspects, cost savings resulting from reduced maintenance, etc.

Deliverables:

Engineering Study for Compressed Air Elimination.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94
Date

9/19/94
Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94
Date

9/16/94
Date

D2-153

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Designs for Compressed Air Elimination

Schedule ID: N1G760B08

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-149

Completion Date: 9/27/95

Milestone Class:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

Deliverable:

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ Other Conceptual
 (Specify): Design
 Requirements

Addressed to:

☐ DOE-HQ
☐ DOE-RL
☒ Other
 (Specify):

Description and what constitutes completion of this commitment:

If the results of the Engineering study for the elimination of compressed air from the West Tank Farms shows that it is a viable option, then the design process shall commence with the generation of conceptual design requirements. West Systems Engineering shall prepare any needed conceptual requirements.

Acceptance Criteria:

If the Design Requirements are required, they shall meet the requirements of applicable Engineering Practices. If there is no need to generate design requirements, a letter stating rationale shall suffice to fulfill this milestone.

Deliverables:

Design(s) for Compressed Air Elimination.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

9/16/94

Date

D2-154

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Five (5) Overdue NCRs Dispositioned

Schedule ID: N1G760C20

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-150

Completion Date: 12/29/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager
 (Specify): West
 Systems
 Engineering

Description and what constitutes completion of this commitment:

- Five NCRs are selected from Back Log.
- NCRs Dispositioned according to WHC EPs.

Acceptance Criteria:

Number of NCRs Dispositioned will be verbally reported to manager of West System's Engineering.

Deliverables:

Reports stating number of NCRs Dispositioned.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-155

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Two Overdue NCRs Dispositioned

Schedule ID: N1G760C24

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-151

Completion Date: 3/27/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other (Specify): Manager
 West
 Systems
 Engineering

Description and what constitutes completion of this commitment:

- Two NCRs are selected from Back Log.
- NCRs Dispositioned according to WHC EPs.

Acceptance Criteria:

Number of NCRs Dispositioned will be verbally reported to manager of West System's Engineering.

Deliverables:

Reports Stating number of NCRs Dispositioned.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Two Overdue NCRs Dispositioned

Schedule ID: N1G760C28

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-O-NG

Milestone Control No.: T2A-95-152

Completion Date: 6/20/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager
 (Specify): West
 Systems
 Engineering

Description and what constitutes completion of this commitment:

- Two NCRs are selected from Back Log.
- NCRs Dispositioned according to WHC EPs.

Acceptance Criteria:

Number of NCRs Dispositioned will be verbally reported to manager of West System's Engineering.

Deliverables:

Report Stating Number NCRs Dispositioned.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-157

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Required Training Complete

Schedule ID: N1G760F16

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-153

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
 (Specify):

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify): Manager
 West
 Systems
 Engineering

Description and what constitutes completion of this commitment:

West System's Engineering will compile all training requirements for the staff. Once the requirements are compiled, accomplishments will be posted and a annual report will be submitted on West System's Engineering.

Acceptance Criteria:

Report shall accurately portray status of training.

Deliverables:

Letter reporting status of training completed.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-158

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue WSE Responsibility Bounding Document

Schedule ID: N1G760G04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-154

Completion Date: 12/27/94

Milestone Class:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ Other Bounding
 (Specify): Document

☐ DOE-HQ
☐ DOE-RL
☒ Other
 (Specify):

Description and what constitutes completion of this commitment:

A Document shall be compiled describing the facility/systems in West Tank Farms. The Bounding limits for each Cognizant Engineer's area of responsibility will be described.

Acceptance Criteria:

All Systems/Facilities will be bounded and a Cognizant Engineer will be assigned.

Deliverables:

WSE Responsibility Bounding Document.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance).

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-159

WHC TWRS Milestone Description Sheet

Title: Two Overdue NCRs Dispositioned

Schedule ID: N1G760C32

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-157

Completion Date: 9/15/95

Milestone Class:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [] DOE-RL
 [X] Other Manager
 (Specify): West
 Systems
 Engineering

Description and what constitutes completion of this commitment:

- Two NCRs are selected from Back Log.
- NCRs Dispositioned according to WHC EPs.

Acceptance Criteria:

Number of NCRs Dispositioned will be verbally reported to Manager of West System's Engineering.

Deliverables:

Report Stating Number of NCRs Dispositioned. Total of 11 NCRs dispositioned by end of Fiscal Year.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Tank Farm Suspect Parts Compliance Plan

Schedule ID: N1G760M04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.04.06

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-158

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Suspect Parts
 (Specify): Compliance
 Plan

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

A Plan detailing how West Tank Farms will meet the requirements for complying with directives pertaining to suspect parts will be developed.

Acceptance Criteria:

Plan will meet WHC and DOE-RL Requirements.

Deliverables:

Tank Farm Suspect Parts Compliance Plan.

S. H. Rifaey

Perf. Org. Mgr.

S. H. Rifaey

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

D2-161

WHC TWRS Milestone Description Sheet

Title: Complete 5 External (PFP) HLW/LLW Waste Shipments in 200 West Area

Schedule ID: N1G730C10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.03

ADS No.: 1100-O-NG

Milestone Control No.: T2A-95-181

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other (Specify):
Statused
Integrated
Schedule

[] DOE-HQ
[] DOE-RL
[X] Other (Specify):
Manager
Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Conduct 5 external (PFP) High-Level Waste/Low-Level Waste (HLW/LLW) waste shipments from other Hanford Site facilities in operation or cleanup phases to avoid interruptions in operations caused by compliance waste storage time constraints.

Acceptance Criteria:

Ensure all personnel are trained to perform necessary work.
Provide adequate tank space for receipt of waste from PFP.
Provide adequate monitoring capabilities of the transfer process.

Deliverables:

Successful completion of 5 external (PFP) High-Level Waste/Low-Level Waste (HLW/LLW) waste shipments from other Hanford Site facilities. Results will be reported monthly by statusing the Integrated Schedule.

J. H. Wicks

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-162

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 West Area 5 In-Tank Photography/5 Pit Inspections

Schedule ID: N1G740F10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.04

ADS No.: 1100-O-NG

Milestone Control No.: T2A-95-182

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Tank
(Specify): Photos/Pit
Videos

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other Tank Farm
(Specify): System Eng.

Description and what constitutes completion of this commitment:

Perform In-Tank Photography and Pit Inspections in 200 West Area. This is to include:
- Obtain in-tank photographs from 5 Single Shell Tanks (SSTs).
- Complete 5 pit inventory and/or inspection videos.

Acceptance Criteria:

Documented results of 5 in-tank photographs and 5 pit inventory videos.

Deliverables:

Transmittal of 5 in-tank photographs and 5 pit inventory videos for DOE-RL review.

J. H. Wicks
Perf. Org. Mgr.		
J. H. Wicks		19 Sep 94
Cost Account Manager		Date
P. Hinojosa		9/19/94
Activity Manager		Date
N/A		
DOE Manager (acceptance)		Date

D. M. Lucoff		9/16/94
Program Element Manager		Date
N/A		
DOE Manager (agreement)		Date

D2-163

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Removal of Equipment in 200 West Area

Schedule ID: N1G730G50

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.03

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-183

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[] REPORT
 [] LETTER
 [] DRAWINGS
 [X] Other Equipment
 (Specify): Removal

[] DOE-HQ
 [] DOE-RL
 [X] Other
 (Specify):

Description and what constitutes completion of this commitment:

Remove equipment in 200 West Area. This is to include removal of:

- P-29 Exhauster
- 241-S duct work and two skid mounted exhausters
- Slurry distributor at 241-SY
- Vacuum truck
- SX-Farm water tank

Acceptance Criteria:

Perform work safely with no spread of contamination.
 Support cleanup of Tank Farm Facilities.
 Work to support waste minimization program.

Deliverables:

Package and ship P-29 exhauster to EWO.
 Package and ship 241-S duct work and two skid mounted exhausters to EWO.
 Package and ship slurry distributor to EWO.
 Package and ship vacuum truck to EWO.
 Package and ship SX-Farm water tank to EWO.

J. H. Wicks
 Perf. Org. Mgr.
 J. H. Wicks 19 Sep 94
 Cost Account Manager Date
 P. Hinojosa 9/19/94
 Activity Manager Date
 N/A
 DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
 Program Element Manager Date
 N/A
 DOE Manager (agreement) Date

D2-164

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete 200 West Area Industrial Hygiene and Safety Review/Approval of 120 WCDs and 400 PDs and Issue Quarterly Report

Schedule ID: N1G730N10

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.03

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-184

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS
☒ Other (Specify): Manager Integrated Recovery Schedule
☐ CONTRACTOR
☒ Other (Specify): Integrated Schedule Statused

Description and what constitutes completion of this commitment:

The West Area Industrial Health and Safety organization will provide Industrial Safety, Industrial Hygiene, and Fire Protection Field Support to 200 West Area Tank Farms. They will provide review and approval of approximately 120 Work Control Documents (WCD's) and 400 Plant Documents (PD's) and issue quarterly summary reports.

Acceptance Criteria:

Approved documents will comply with applicable regulatory requirements relating to industrial health and safety.

Field activities will not be delayed due to failure of the Industrial Health and Safety organization to provide qualified support on schedules that are defined in advance.

Effective IS&H support will be demonstrated by absence of reportable avoidable personnel exposures to noxious vapors, or reportable accidents associated with inadequate industrial/occupational safety conditions.

Deliverables:

200 West Area Industrial Hygiene and Safety to provide review and approval of approximately 120 Work Control Documents (WCDs) and 400 Plant Documents (PDs), and issue quarterly summary report.

Monthly performance indicator reports available to RL staff, which demonstrated achievement of on-demand (scheduled) support to field operations

S. S. Glover

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

Date

D2-165

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Pesticide Spraying per the FY95 Pesticide Spray Schedule in 200 West Area/EAST TANK FARMS Schedule ID: N1G730K20
Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.04.03

ADS No.: 1100-0-NG

Milestone Control No.: T2A-95-185

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other Pesticide
(Specify): Spray
Schedule &
Integrated
Schedule

Addressed to:

[] DOE-HQ
[] DOE-RL
[] Other Manager
(Specify): Integrated
Recovery
Schedule

Description and what constitutes completion of this commitment:

Complete pesticide spraying per the Fiscal Year 1995 Pesticide Spray Schedule.

Acceptance Criteria:

Documented results that Pesticide has been applied to the 200 Area sites in accordance with the 1995 Spray Schedule.

Deliverables:

Successful completion of the FY 95 Pesticide plan. Results will be statused monthly on the Integrated Schedule. Ensure complete compliance with the requirements contained in OSHA 29 CFR 1910.141(a)(5).

C. L. Looney

Perf. Org. Mgr.

J. H. Wicks

Cost Account Manager

P. Hinojosa

Activity Manager

N/A

DOE Manager (acceptance)

9/19/94

Date

Date

Date

D. M. Lucoff

Program Element Manager

N/A

DOE Manager (agreement)

9/16/94

Date

Date

D2-166

WHC TWRS Milestone Description Sheet

Title: Emergency Leak Response: Prepare an Improved Single-Shell Tank Emergency Pumping Capability

Schedule ID: N1E530A005

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.03

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-100

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-02

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Emergency Leak Response: Prepare an improved Single-Shell Tank (SST) emergency pumping capability as defined: a. complete and submit to Washington State Department of Ecology (WDOE) and Environmental Protection Agency (EPA) a safety analysis report to allow for alternative methods for transfer of radioactive waste within SST farms (TPA Milestone M-41-02-T01; complete), b. complete design and procurement of alternate transfer methods, and mount appropriate equipment in the emergency pumping trailer (TPA Milestone M-41-02-T02; complete), c. issue and submit to the Washington State Department of Ecology (WDOE) and Environmental Protection Agency (EPA) the detailed procedures for emergency pumping (or other action if not safe to pump) for each non-interim stabilized tank (TPA Milestone M-41-02-T03), d. Restore the 244-U Double-Contained Receiver Tank (DCRT) to compliant operating condition. This will allow the use of this DCRT for interim stabilization (TPA Milestone M-41-02-T04).

Acceptance Criteria:

Notify RL that TPA Milestones M-41-02-T01, M-41-02-T02, M-41-02-T03, and M-41-02-T04 have been completed.

Deliverables:

A letter stating completion of this milestone will be sent to DOE-RL on or before March 31, 1995.

D. B. Engelman D.B. Engelman 9/19/94
Perf. Org. Mgr.
D. B. Engelman D.B. Engelman 9/19/94
Cost Account Manager Date
T. E. Rainey T.E. Rainey 9/19/94
Activity Manager Date
G. E. Bishop
DOE Manager (acceptance) Date

D. M. Lucoff D.M. Lucoff 9/16/94
Program Element Manager Date
G. E. Bishop G.E. Bishop 9/22/94
DOE Manager (agreement) Date

D2-167

WHC TWRS Milestone Description Sheet

Title: Complete Interim Stabilization of 5 Single-Shell Tanks in
BY & C Farms

Schedule ID: N1E510A012

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-101

Completion Date: 12/31/94

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-01-T02

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Tanks 241-BY-102, 241-BY-109, 241-C-102, 241-C-107, and 241-C-110 are declared interim stabilized as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Interim Stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the TPA. After completion of the milestone, commence and complete interim stabilization evaluation as described in Westinghouse Hanford Company (WHC) procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if any tanks are still being pumped on 12/31/94 and the amount of liquid removed is greater than estimated and the pumping efficiency is 50 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Pumping of BY-109 has been impacted by safety concerns in the tank farms. The completion date and performance standards which have been affected by the safety issues may need to be adjusted and agreed to.

Deliverables:

Notify RL that Tanks 241-BY-102, 241-BY-109, 241-C-102, 241-C-107, and 241-C-110 are interim stabilized.

R. Ni

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

9/20/94

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

9/21/94

Date

9/22/94

Date

D2-168

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Detailed Procedures For Emergency Pumping

Schedule ID: N1E530A003

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.03

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-102

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-02-T03

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other Ecology &
(Specify): EPA

[] CONTR

[X] Other Copies of
(Specify): EPPs

Description and what constitutes completion of this commitment:

Issue and submit to the Washington State Department of Ecology (WDOE) and Environmental Protection Agency (EPA) the detailed procedures for emergency pumping (or other action if not safe to pump) for each non-interim stabilized tank.

Acceptance Criteria:

Notify RL that all Emergency Pumping Procedures (EPPs) have been prepared, and that all work packages have been completed for the installation of equipment, and pumping operation. Provide copies of EPPs to WDOE, EPA, and RL.

Deliverables:

Provide Emergency Pumping Procedures (EPPs) to WDOE, EPA, and RL, along with a letter stating completion of this milestone on or before March 31, 1995.

D. B. Engelman D.B. Engelman 9/19/94

Perf. Org. Mgr.

D. B. Engelman D.B. Engelman 9/19/94

Cost Account Manager

Date

T. E. Rainey T.E. Rainey 9/19/94

Activity Manager

Date

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

D.M. Lucoff 9/16/94

Date

G.E. Bishop 9/22/94

Date

D2-169

WHC TWRS Milestone Description Sheet

Title: Complete Safety Studies and Analysis Report on Interim
Stabilization of Remaining Watch List Tanks

Schedule ID: N1E510G004

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-104

Completion Date: 12/30/94

Milestone Class:

Deliverable:

Addressed to:

☒ TPA M-41-07

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-RL

☐ DRAWINGS

☐ Other
(Specify):

☐ CONTR

☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Complete safety studies and analysis on interim stabilization of remaining Watch List Tanks and provide the report(s) to the Washington State Department of Ecology (WDOE) and Environmental Protection Agency (EPA). These studies are to include: A) ferrocyanide tanks; B) hydrogen/flammable gas tanks; and C) organic tanks. If these studies recommend that a Watch List Tank not be pumped, WHC shall submit a justification report which contain the rationale for not pumping. The rationale will be presented on a tank-by tank basis.

Acceptance Criteria:

Comments on safety studies from RL have been resolved and document is released.

Deliverables:

Submit SST pumping safety evaluation for interim stabilization of Watch List Tanks to RL.

J. M. Grigsby

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/15/94

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

9/16/94

Date

9/22/94

Date

D.2-170

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 1 Non-Watch List Tank in
241-U Tank Farm

Schedule ID: N1E510B042

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-105

Completion Date: 7/31/95

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-08

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 1 Non-Watch List Tank 241-U-102. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for Tank 241-U-102. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from non-watch list Tank 241-U-102 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tank 241-U-102.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

9/19/94

9/19/94

Date

9/19/94

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

9/16/94

Date

9/22/94

Date

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 3 Organic Watch List Tanks
in 241-U Tank Farm

Schedule ID: N1E510B039

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-106

Completion Date: 7/31/95

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-13

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 3 Organic Watch List Tanks 241-U-106, 241-U-107, and 241-U-111. Provide interim stabilization engineering, operations and maintenance support to resolve issues and start pumping for Tanks 241-U-106, 241-U-107, and 241-U-111. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from each organic watch list Tank 241-U-106, 241-U-107, and 241-U-111 will constitute the start of pumping and milestone completion.

Note: Tank 241-U-107 was added to the Flammable Gas Watch List after this Tri-Party Agreement milestone was established. This may require revision to this milestone.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-U-106, 241-U-107, and 241-U-111.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: FY97 - Install Liquid Observation Wells (LOWs) in an additional 15 Single-Shell Tanks

Schedule ID: N1E570E018

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.07

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-114

Completion Date: 9/30/97

Milestone Class: *Proposed*

Deliverable:

Addressed to:

2/3 [☒] TPA M-43-09-T04
[☐] DOE-HQ
RL [☒] DOE-RL
[☐] CONTR

[☐] REPORT
[☒] LETTER
[☐] DRAWINGS
[☐] Other
(Specify):

[☐] DOE-HQ
[☒] DOE-RL
[☐] Other
(Specify):

Description and what constitutes completion of this commitment:

Install Liquid Observation Wells (LOWs) in 15 single-shell waste storage tanks having waste greater than 2 feet in depth. Provide all engineering, safety studies, safety reviews (screenings), operation, fabrication, and construction support for the installation of 15 LOWs. The completion of this milestone is dependent on the completion of core sampling of sufficient SSTs requiring LOW installation.

Acceptance Criteria:

A functional LOW is available to obtain interstitial liquid level measurements as specified in the operating procedures.

Deliverables:

Notify RL that new LOWs have been installed in 15 single-shell tanks having waste greater than 2 feet in depth.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

D.B. Klos 9/19/94

D.B. Engelman 9/19/94

T.E. Rainey 9/19/94

G.E. Bishop

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

D.M. Lucoff 9/20/94

G.E. Bishop 9/22/94

G.E. Bishop

WHC TWRS Milestone Description Sheet

Title: Upgrade Leak Detection Equipment for SSTs that do not have Liquid Observation Wells and have Solid Surfaces containing pumpable liquid by December 1995.

Schedule ID: N1E570D005

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.05.07

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-115

Completion Date: 12/29/95

Milestone Class:	Deliverable:	Addressed to:
☐ TPA	☐ REPORT	☐ DOE-HQ
☒ DOE-HQ <u>[SI-5f]</u>	☒ LETTER	☒ DOE-RL
☐ DOE-RL	☐ DRAWINGS	☐ Other
☐ CONTRACTOR	☐ Other (Specify):	(Specify):

Description and what constitutes completion of this commitment:

This task is to upgrade the leak detection equipment for single-shell tanks (SST) with pumpable liquid and a solid surface. The interim stabilization of some SSTs, see SI-5b, will reduce the number of tanks with pumpable liquid and a solid surface requiring upgrade of the leak detection equipment to one (Tank 241-SX-104). Tank 241-SX-104 has two failed Liquid Observation Wells (LOWs). This task involves the restoration of the ability to obtain an interstitial liquid level measurement in SST 241-SX-104 with a non-typical method. If this does not allow weekly leak detection readings to be taken, a new LOW will be installed in Tank 241-SX-104. The practice of using LOWs at Hanford is an established practice that has been extensively used in the past. The task involves the safety evaluation, design, fabrication, the development of procedures, work plans, and the actual installation of the LOW in a flammable gas Watch List Tank.

Interim Schedule:

- Demonstrate the ability to obtain an interim, non-typical interstitial liquid level measurement from a failed LOW in Tank 241-SX-104 by 10/30/94.
- Determine the feasibility and the frequency for employing the interim, non-typical measurement process for SST 241-SX-104 by 12/31/94.
- Make the decision to replace an existing failed LOW or install a new LOW in a different riser for restoring a fully functional LOW in SST 241-SX-104 by 2/28/95.
- Install a fully functional LOW in SST 241-SX-104 by 12/29/95.

Acceptance Criteria:

Demonstration of the ability to take interstitial liquid level measurements for all SSTs containing pumpable liquid and a solid surface according to the requirements in the operating specification for leak detection.

WHC TWRS Milestone Description Sheet

Deliverables:

A letter to RL documenting that all SSTs that have solid surfaces and contain pumpable liquid have operational leak detection equipment.

D. B. Klos DB. Klos 9/16/94
 Perf. Org. Mgr.
 D. B. Engelman DB Engelman 9/19/94
 Cost Account Manager Date
 T. E. Rainey T. E. Rainey 9/19/94
 Activity Manager Date
 G. E. Bishop
 DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
 Program Element Manager Date
 G. E. Bishop G. E. Bishop 9/22/94
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 2

Title: FY96 - Install Liquid Observation Wells (LOWs) in an additional 15 Single-Shell Tanks

Schedule ID: N1E570D018

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.07

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-120

Completion Date: 9/30/96

Milestone Class: Proposed
[☒] TPA M-43-09-T03

Deliverable:
[] REPORT
[☒] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:
[] DOE-HQ
[☒] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Install Liquid Observation Wells (LOWs) in 15 single-shell waste storage tanks having waste greater than 2 feet in depth. Provide all engineering, safety studies, safety reviews (screenings), operation, fabrication, and construction support for the installation of 15 LOWs. The completion of this milestone is dependent on the completion of core sampling of sufficient SSTs requiring LOW installation.

Acceptance Criteria:

A functional LOW is available to obtain interstitial liquid level measurements as specified in the operating procedures.

Deliverables:

Notify RL that new LOWs have been installed in 15 single-shell tanks having waste greater than 2 feet in depth.

D. B. Klos D.B. Klos 9/15/94
Perf. Org. Mgr.
D. B. Engelman D.B. Engelman 9/19/94
Cost Account Manager Date
T. E. Rainey T.E. Rainey 9/19/94
Activity Manager Date
G. E. Bishop
DOE Manager (acceptance) Date

D. M. Lucoff D.M. Lucoff 9/20/94
Program Element Manager Date
G. E. Bishop G.E. Bishop 9/22/94
DOE Manager (agreement) Date

D2-176

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Partial Interim Stabilization Preparations for 7
Non-Watchlist Tanks in 241-S Tank Farm

Schedule ID: N1E510D038

Revision: 0

Assigned to: Tank Farm Operations & Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-124

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Resource-
(Specify): loaded
Schedule

Description and what constitutes completion of this commitment:

Provide for partial completion of preparations to interim stabilize 7 Non-Watchlist SSTs 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 in 241-S Tank Farm, according to schedule provided and sufficient to support the associated Tri-Party Agreement Milestone M-41-09. Activities include:

- Completion of design and procurement of materials required for the two overground transfer lines by 8/31/95.
- Delivery and completion of Operational Test Procedures (OTPs) on the pump instrument control skids by 7/31/95.
- Complete fabrication of required saltwell screens by 8/31/95.
- Complete approval of S-Farm transfer procedures by 6/30/95.

Acceptance Criteria:

The activities specified above are completed as required by submitted schedule.

Deliverables:

Notify RL that the activities are complete and that WHC is scheduled to meet the Tri-Party Agreement Milestone M-41-09.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-177

WHC TWRS Milestone Description Sheet

Title: Complete Partial Interim Stabilization Preparations for 2
Flammable Gas Watch List Tanks in 241-A/AX Tank
Farms

Schedule ID: N1E510E038

Revision: 0

Assigned to: Tank Farm Operations & Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-130

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[X] Other Resource-
(Specify): loaded
Schedule

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Prepare and issue approved resource-loaded schedule for all repairs needed to 2 Flammable Gas Watch List Single-Shell Tanks (SSTs) 241-A-101 and 241-AX-101 in 241-A/AX Tank Farms, so that all repairs needed to commence interim stabilization are completed by 4/30/96. Provide this schedule to RL by 6/30/95. Provide milestone on schedule for partial completion of interim stabilization preparations in Fiscal Year 1995 by 9/30/95.

Provide for partial completion of preparations to interim stabilize 2 Flammable Gas Watch List SSTs 241-A-101 and 241-AX-101 in 241-A/AX Tank Farms, according to schedule provided.

Commence preparations for interim stabilization necessary to support pumping 2 Flammable Gas Watch List SSTs in 241-A/AX Tank Farms, sufficient to support the associated Tri-Party Agreement Milestone M-41-10, according to the schedule described above.

Acceptance Criteria:

Preparations to interim stabilize Tanks 241-A-101 and 241-AX-101 are completed as required by submitted schedule.

Deliverables:

Provide copy of resource-loaded schedule to RL by 6/30/95. Complete partial field preparations for interim stabilization of 2 Flammable Gas Watch List SSTs 241-A-101 and 241-AX-101 in 241-A/AX Tank Farms throughout Fiscal Year 1995, according to schedule.

D. B. Klos DB Klos 9/15/94
Perf. Org. Mgr.
D. B. Engelman DB Engelman 9/19/94
Cost Account Manager Date
T. E. Rainey T E Rainey 9/18/94
Activity Manager Date
G. E. Bishop
DOE Manager (acceptance) Date

D. M. Lucoff DM Lucoff 9/16/94
Program Element Manager Date
G. E. Bishop G E Bishop 9/22/95
DOE Manager (agreement) Date

D2-178

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Partial Interim Stabilization Preparations for 4
Flammable Gas Watch List Tanks in 241-U Tank Farm

Schedule ID: N1E510B038

Revision: 0

Assigned to: Tank Farm Operations & Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-137

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other Resource-
(Specify): loaded
Schedule

Description and what constitutes completion of this commitment:

Prepare and issue approved resource-loaded schedule for all repairs needed to 4 Flammable Gas Watch List Single-Shell Tanks (SSTs) 241-U-103, 241-U-105, 241-U-108, and 241-U-109 in 241-U Tank Farm, so that all repairs needed to commence interim stabilization are completed by 4/30/96. Provide this schedule to RL by 6/30/95. Provide milestone on schedule for partial completion of interim stabilization preparations in Fiscal Year 1995 by 9/30/95.

Provide for partial completion of preparations to interim stabilize 4 Flammable Gas Watch List SSTs 241-U-103, 241-U-105, 241-U-108, and 241-U-109 in 241-U Tank Farm, according to schedule provided.

Commence preparations for interim stabilization necessary to support pumping 4 Flammable Gas Watch List SSTs 241-U-103, 241-U-105, 241-U-108, and 241-U-109 in 241-U Tank Farm, sufficient to support the associated Tri-Party Agreement Milestone M-41-11 according to the schedule described above.

Acceptance Criteria:

Preparations to interim stabilize Tanks 241-U-103, 241-U-105, 241-U-108, and 241-U-109 are completed as required by submitted schedule.

Deliverables:

Provide copy of resource-loaded schedule to RL by 6/30/95. Complete partial field preparations for interim stabilization of 4 Flammable Gas Watch List SSTs 241-U-103, 241-U-105, 241-U-108, and 241-U-109 in 241-U Tank Farm throughout Fiscal Year 1995, according to schedule.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

D2-179

WHC TWRS Milestone Description Sheet

Title: Complete Emergency Pumping (Interim Stabilization) of
Tank 241-T-111

Schedule ID: N1E550A002

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.05

ADS No.: 1100-O-NE

Milestone Control No.: T2A-95-168

Completion Date: 3/31/95

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-16A-T01

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Tank 241-T-111 is declared interim stabilized as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Interim Stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the TPA. After completion of the milestone, commence and complete interim stabilization evaluation as described in Westinghouse Hanford Company (WHC) procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if the tank is still being pumped on 3/31/95 and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

450
TAL

Deliverables:

Notify RL that Tank 241-T-111 is interim stabilized.

H. Wicks
Perf. Org. Mgr.
D. B. Engelman 9/19/94
Cost Account Manager Date
T. E. Rainey 9/19/94
Activity Manager Date
G. E. Bishop
DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
Program Element Manager Date
G. E. Bishop 9/16/94
DOE Manager (agreement) Date

D2-180

WHC TWRS Milestone Description Sheet

Title: Light Duty Utility Arm (LDUA) Environmental Requirements

Schedule ID: N1E560A011

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.05.06

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-190

Completion Date: 3/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[X] Other Preliminary
(Specify): Permitting Documents

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other WHC
(Specify):

Description and what constitutes completion of this commitment:

Issue draft letter documenting necessary environmental reviews and permits for the LDUA.

Acceptance Criteria:

- Issued draft letter documenting necessary environmental reviews and permits for the LDUA.

Deliverables:

- Draft letter of required environmental reviews and permits for LDUA
- Draft documentation for environmental permitting of the LDUA

G. D. Carpenter

Perf. Org. Mgr.

G. H. Smith

Cost Account Manager

T. E. Rainey

Activity Manager

Not Applicable

DOE Manager (acceptance)

G. D. Carpenter 9/19/94

Date

Date

Date

D. M. Lucoff

Program Element Manager

Not Applicable

DOE Manager (agreement)

D. M. Lucoff 9/16/94

Date

Date

WHC TWRS Milestone Description Sheet

Title: FY95 - Install Liquid Observation Wells (LOWs) in an additional 12 Single-Shell Tanks

Schedule ID: N1E570A018

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.07

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-212

Completion Date: 9/29/95

Milestone Class:

Proposal
M-43-09-T02

Deliverable:

Addressed to:

☒ TPA M-43-09-T02 ³ ☐ REPORT
☐ DOE-HQ ☒ LETTER
☒ DOE-RL ☐ DRAWINGS
☐ CONTR ☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Install Liquid Observation Wells (LOWs) in 12 single-shell waste storage tanks having waste greater than 2 feet in depth. Provide all engineering, safety studies, safety reviews (screenings), operation, fabrication, and construction support for the installation of 12 LOWs. The completion of this milestone is dependent on the completion of core sampling of sufficient SSTs requiring LOW installation.

Acceptance Criteria:

A functional LOW is available to obtain interstitial liquid level measurements as specified in the operating procedures.

Deliverables:

Notify RL that new LOWs have been installed in 12 single-shell tanks having waste greater than 2 feet in depth.

D. B. Klos D.B. Klos 9/15/94

Perf. Org. Mgr.

D. B. Engelman D.B. Engelman 9/19/94

Cost Account Manager

T. E. Rainey T.E. Rainey 9/19/94

Activity Manager

G. E. Bishop G.E. Bishop 9/20/94

DOE Manager (acceptance)

Date

D. M. Lucoff D.M. Lucoff 9/20/94

Program Element Manager

G. E. Bishop G.E. Bishop 9/22/94

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: FY 95 SST Monitoring Improvements - 4 New Liquid
Observation Well (LOW) Vans

Schedule ID: N1E570B003

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.07

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-213

Completion Date: 9/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other

(Specify): Perform
Operating
Test
Procedure on
4 New LOW
Vans

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other WHC
(Specify):

Description and what constitutes completion of this commitment:

Perform operating test procedure qualifying the 4 new LOW Vans for service.

Acceptance Criteria:

Successful completion of operating test procedure to provide a fully operational interstitial liquid level monitoring system for four new LOW vans in compliance to operating specifications for primary leak detection.

Deliverables:

Memo to Manager, Tank Farms, documenting completion of operating test procedures and availability of 4 fully functional LOW Vans.

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

Not Applicable

DOE Manager (acceptance)

DB Engelman 9/19/94
Date

TE Rainey 9/19/94
Date

Date

D. M. Lucoff

Program Element Manager

Not Applicable

DOE Manager (agreement)

DM Lucoff 9/16/94
Date

Date

WHC TWRS Milestone Description Sheet

Title: Complete Removal of Pumpable Liquid from 6 of 43 SSTs by November 1994.

Schedule ID: N1E510A011

Revision: 0

Assigned to: Tank Farm Operations and Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-95-316

Completion Date: 11/30/94

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[X] DOE-HQ [SI - 5b]

[X] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

This task involves the completion of all physical activities and comprehensive reviews required to start, and then commence interim stabilization and/or emergency pumping for six single-shell tanks (SST). This includes the testing and flushing of transfer routes from the SSTs to be interim stabilized to the Double-Contained Receiver Tanks (DCRTs). It involves the development of procedures and work plans, training, and readiness reviews are required for each tank to be pumped. The task also requires the installation and check out of the saltwell pump and the instrument control system. The milestone will be complete when as much liquid as practicable is removed from SSTs 241-BX-111, 241-BY-102, 241-BY-109, 241-C-102, 241-C-107, and 241-C-110.

Interim milestones:

- Start emergency pumping of Tank 241-BX-111 - 10/22/93 - Completed
- Start pumping of Tank 241-BY-102 - 03/31/94 - Completed
- Start pumping of Tank 241-BY-109 - 03/31/94 - Completed
- Start pumping of Tank 241-C-102 - 09/30/94
- Start pumping of Tank 241-C-107 - 09/30/94
- Start pumping of Tank 241-C-110 - 09/30/94

Preparations to emergency pump assumed leaker SST 241-T-111 caused delays in the start of pumping of tanks in 241-C Tank Farm (Tri-Party Agreement Change Number M-41-94-01). Pumping has also been impacted by emerging safety issues in the tank farms. A new completion date needs to be agreed upon because of these issues.

Acceptance Criteria:

Interim stabilization criteria for removal of pumpable liquid from an SST is defined as occurring when the pumping rate drops to 0.05 gallons per minute and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant.

D2-184

WHC TWRS Milestone Description Sheet

Deliverables:

Notify RL that the six SSTs have been pumped and meet the interim stabilization criteria for completion of pumping. A letter will be sent to RL after confirming that the interim stabilization as defined in the Hanford Federal Facility Agreement and Consent Order has been completed.

R. Ni [Signature] 9/20/94
 Perf. Org. Mgr.
 D. B. Engelman [Signature] 9/21/94
 Cost Account Manager Date
 T. E. Rainey [Signature] 9/20/94
 Activity Manager Date
 G. E. Bishop [Signature]
 DOE Manager (acceptance) Date

D. M. Lucoff [Signature] 9/21/94
 Program Element Manager Date
 G. E. Bishop [Signature] 9/22/94
 DOE Manager (agreement) Date

D2-185

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Interim Stabilization of 1 Non-Watch List Tank
in 241-U Farm

Schedule ID: N1E510B044

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-100

Completion Date: 3/31/96

Milestone Class:

Deliverable:

Addressed to:

☒ TPA M-41-08-T01☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Tank 241-U-102 is declared interim stabilized as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Interim Stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the TPA. After completion of the milestone, commence and complete interim stabilization evaluation as described in Westinghouse Hanford Company (WHC) procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if tank is still being pumped on 3/31/96 and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators. *SD JMR*

Deliverables:

Notify RL that Tank 241-U-102 is interim stabilized.

J. H. Wicks
Perf. Org. Mgr.
D. B. Engelman 9/19/94
Cost Account Manager Date
T. E. Rainey 9/19/94
Activity Manager Date
G. E. Bishop
DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
Program Element Manager Date
G. E. Bishop 9/22/94
DOE Manager (agreement) Date

D2-186

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Start Interim Stabilization of 7 Non-Watch List Tanks in
241-S Tank Farm

Schedule ID: N1E510D039

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-101

Completion Date: 1/31/96

Milestone Class:

Deliverable:

Addressed to:

☒ TPA M-41-09☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☒ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 7 Non-Watch List Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from each non-watch list Tank 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-187

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 2 Flammable Gas Watch List
Tanks in 241-A/AX Farms

Schedule ID: N1E510E039

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.02.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-102

Completion Date: 4/30/96

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-10

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 2 Flammable Gas Watch List Tanks 241-A-101 and 241-AX-101. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for Tanks 241-A-101 and 241-AX-101. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from each flammable gas watch list Tank 241-A-101 and 241-AX-101 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-A-101 and 241-AX-101.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-188

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 4 Flammable Gas Watch List
Tanks in 241-U Tank Farm

Schedule ID: N1E510B084

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-103

Completion Date: 4/30/96

Milestone Class:

Deliverable:

Addressed to:

☒ TPA M-41-11

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-RL

☐ DRAWINGS

☐ Other
(Specify):

☐ CONTRACTOR

☒ Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 4 Flammable Gas Watch List Tanks 241-U-103, 241-U-105, 241-U-108, and 241-U-109. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for Tanks 241-U-103, 241-U-105, 241-U-108, and 241-U-109. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from each non-watch list Tank 241-U-103, 241-U-105, 241-U-108, and 241-U-109 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-U-103, 241-U-105, 241-U-108, and 241-U-109.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

DB Klos 9/15/94

DB Engelman 9/19/94

T E Rainey 9/19/94

G E Bishop 9/22/94

D M Lucoff 9/16/94

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Intrusion Prevention in 7 SSTs

Schedule ID: N1E520A009

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.02

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-114

Completion Date: 9/30/96

Milestone Class:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Provide all engineering, operational, maintenance, fabrication support for intrusion prevention for 7 SSTs in Tank Farms. This includes trouble-shooting, repair and equipment upgrades, cutting and capping piping for tank isolation, and installation of weatherproof isolation covers on tank pits. Declare 7 previously interim stabilized SSTs interim isolated as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Intrusion Prevention is defined as the process of plugging or otherwise blocking pipelines leading into SSTs, and sealing pump or valve pits that drain back into SSTs, or installing barriers to avoid inadvertent liquid addition to an interim stabilized SST.

Deliverables:

Notify RL that intrusion prevention has been completed for 7 SSTs.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

b2-190

WHC TWRS Milestone Description Sheet

Title: Complete Partial Interim Stabilization Preparations for 4 Ferrocyanide Watch List Tanks in 241-BX/BY Tank Farms Schedule ID: N1E510K601
 Revision: 0

Assigned to: Tank Farm Operations & Maintenance

WBS Designator: 1.1.1.2.01.05.01 ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-121 Completion Date: 9/30/96

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[] REPORT	[] DOE-HQ
[] DOE-HQ	[X] LETTER	[X] DOE-RL
[X] DOE-RL	[] DRAWINGS	[] Other (Specify):
[] CONTRACTOR	[X] Other (Specify): Resource-loaded Schedule	

Description and what constitutes completion of this commitment:

Prepare and issue approved resource-loaded schedule for all repairs needed to 4 Ferrocyanide Watch List Single-Shell Tanks (SSTs) 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106 in 241-BX/BY Tank Farms, so that all repairs needed to commence interim stabilization are completed by 4/30/97. Provide this schedule to RL by 6/30/96. Provide milestone on schedule for partial completion of interim stabilization preparations in Fiscal Year 1996 by 9/30/96.

Provide for partial completion of preparations to interim stabilize 4 Ferrocyanide Watch List SSTs 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106 in 241-BX/BY Tank Farms, according to schedule provided.

Commence preparations for interim stabilization necessary to support pumping 4 Ferrocyanide Watch List SSTs 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106 in 241-BX/BY Tank Farms, sufficient to support the associated Tri-Party Agreement Milestone M-41-12 according to the schedule described above.

Acceptance Criteria:

Preparations to interim stabilize Tanks 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106 are completed as required by submitted schedule.

Deliverables:

Provide copy of resource-loaded schedule to RL by 6/30/96. Complete partial field preparations for interim stabilization of 4 Ferrocyanide Watch List SSTs 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106 in 241-BX/BY Tank Farms throughout Fiscal Year 1996, according to schedule.

D. B. Klos *DB Klos* 9/15/94
 Perf. Org. Mgr.

D. B. Engelman *DB Engelman* 9/19/94
 Cost Account Manager Date

T. E. Rainey *TE Rainey* 9/15/94
 Activity Manager Date

G. E. Bishop
 DOE Manager (acceptance) Date

D. M. Lucoff *DM Lucoff* 9/16/94
 Program Element Manager Date

G. E. Bishop *GE Bishop* 9/16/94
 DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Title: Complete Partial Interim Stabilization Preparations for 7
Flammable Gas Watch List Tanks in 241-S/SX Tank Farms

Schedule ID: N1E510L605

Revision: 0

Assigned to: Tank Farm Operations & Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-122

Completion Date: 9/30/96

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Resource-
(Specify): loaded
Schedule

Description and what constitutes completion of this commitment:

Prepare and issue approved resource-loaded schedule for all repairs needed to 7 Flammable Gas Watch List Single-Shell Tanks (SSTs) 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 in 241-S/SX Tank Farms, so that all repairs needed to commence interim stabilization are completed by 6/30/97. Provide this schedule to RL by 6/30/96. Provide milestone on schedule for partial completion of interim stabilization preparations in Fiscal Year 1996 by 9/30/96.

Provide for partial completion of preparations to interim stabilize 7 Flammable Gas Watch List SSTs 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 in 241-S/SX Tank Farms, according to schedule provided.

Commence preparations for interim stabilization necessary to support pumping 7 Flammable Gas Watch List SSTs 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 in 241-S/SX Tank Farms, sufficient to support the associated Tri-Party Agreement Milestone M-41-14 according to the schedule described above.

Acceptance Criteria:

Preparations to interim stabilize Tanks 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 are completed as required by submitted schedule.

Deliverables:

Provide copy of resource-loaded schedule to RL by 6/30/96. Complete partial field preparations for interim stabilization of 7 Flammable Gas Watch List SSTs 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 in 241-S/SX Tank Farms throughout Fiscal Year 1996, according to schedule.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Partial Interim Stabilization Preparations for 2 Organic Watch List Tanks in 241-S/SX Tank Farms

Schedule ID: N1E510L606

Revision: 0

Assigned to: Tank Farm Operations & Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-96-124

Completion Date: 9/30/96

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☒ LETTER☒ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other Resource-
(Specify): loaded
Schedule

Description and what constitutes completion of this commitment:

Prepare and issue approved resource-loaded schedule for all repairs needed to 2 Organic Watch List Single-Shell Tanks (SSTs) 241-S-102 & 241-SX-106 in 241-S/SX Tank Farms, so that all repairs needed to commence interim stabilization are completed by 6/30/97. Provide this schedule to RL by 6/30/96. Provide milestone on schedule for partial completion of interim stabilization preparations in Fiscal Year 1996 by 9/30/96.

Provide for partial completion of preparations to interim stabilize 2 Organic Watch List SSTs 241-S-102 & 241-SX-106 in 241-S/SX Tank Farms, according to schedule provided.

Commence preparations for interim stabilization necessary to support pumping 2 Organic Watch List SSTs 241-S-102 & 241-SX-106 in 241-S/SX Tank Farms, sufficient to support the associated Tri-Party Agreement Milestone M-41-15 according to the schedule described above.

Acceptance Criteria:

Preparations to interim stabilize Tanks 241-S-102 and 241-SX-106 are completed as required by submitted schedule.

Deliverables:

Provide copy of resource-loaded schedule to RL by 6/30/96. Complete partial field preparations for interim stabilization of 2 Organic Watch List SSTs 241-S-102 & 241-SX-106 in 241-S/SX Tank Farms throughout Fiscal Year 1996, according to schedule.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

D2-193

WHC TWRS Milestone Description Sheet

Title: Complete Interim Stabilization of 7 Non-Watch List Tanks
in 241-S Farm

Schedule ID: N1E510D041

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-100

Completion Date: 4/30/97

Milestone Class:

Deliverable:

Addressed to:

☒ TPA M-41-09-T01

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-RL

☐ DRAWINGS

☐ Other
(Specify):

☐ CONTR

☒ Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 are declared interim stabilized as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Interim Stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the TPA. After completion of the milestone, commence and complete interim stabilization evaluation as described in Westinghouse Hanford Company (WHC) procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if any tanks are still being pumped on 4/30/97 and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Deliverables:

Notify RL that Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 are interim stabilized.

J. H. Wicks

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-194

WHC TWRS Milestone Description Sheet

Title: Complete Interim Stabilization of 4 Flammable Gas Watch
List Tanks in 241-U Tank Farm

Schedule ID: N1E510B086

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-101

Completion Date: 5/31/97

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-11-T01

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Tanks 241-U-103, 241-U-105, 241-U-108, and 241-U-109 are declared interim stabilized as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Interim Stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the TPA. After completion of the milestone, commence and complete interim stabilization evaluation as described in Westinghouse Hanford Company (WHC) procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if any tanks are still being pumped on 5/31/97 and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Deliverables:

Notify RL that Tanks 241-U-103, 241-U-105, 241-U-108, and 241-U-109 are interim stabilized.

J. H. Wicks

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

Date

D2-195

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 4 Ferrocyanide Watch List Tanks in 241-BX/BY Tank Farms

Schedule ID: N1E510K002

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-102

Completion Date: 4/30/97

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-12

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 4 Ferrocyanide Watch List Tanks 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for Tanks 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from each ferrocyanide watch list Tank 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-BX-106, 241-BY-103, 241-BY-105, and 241-BY-106.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-196

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 7 Flammable Gas Watch List
Tanks in 241-S/SX Tank Farms

Schedule ID: N1E510L002

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-103

Completion Date: 6/30/97

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-14

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 7 Flammable Gas Watch List Tanks 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for tanks 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105. Notify RL when complete.

Acceptance Criteria:

Pumping of one gallon of liquid from each flammable gas watch list Tank 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Start Interim Stabilization of 2 Organic Watch List Tanks
in 241-S/SX Tank Farms

Schedule ID: N1E510M002

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-104

Completion Date: 6/30/97

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-15

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTRACTOR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Complete all physical activities and comprehensive reviews required to start pumps of 2 Organic Watch List Tanks 241-S-102 & 241-SX-106. Provide interim stabilization engineering, operations, and maintenance support to resolve issues and start pumping for Tanks 241-S-102 & 241-SX-106. Notify RL when completed.

Acceptance Criteria:

Pumping of one gallon of liquid from each organic watch list Tank 241-S-102 & 241-SX-106 will constitute the start of pumping and milestone completion.

Deliverables:

Notify RL that pumping has been initiated for Tanks 241-S-102 & 241-SX-106.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

WHC TWRS Milestone Description Sheet

Title: Complete Interim Stabilization of 3 Organic Watch List
Tanks in 241-U Farm

Schedule ID: N1E510B041

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.01

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-105

Completion Date: 12/31/96

Milestone Class:

Deliverable:

Addressed to:

[X] TPA M-41-13-T01

[] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[X] Other Response to
(Specify): TPA
Milestone

Description and what constitutes completion of this commitment:

Tanks 241-U-106, 241-U-107, and 241-U-111 are declared interim stabilized as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Interim Stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the TPA. After completion of the milestone, commence and complete interim stabilization evaluation as described in Westinghouse Hanford Company (WHC) procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if any tanks are still being pumped on 12/31/96 and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Deliverables:

Notify RL that Tanks 241-U-106, 241-U-107, and 241-U-111 are interim stabilized.

J. H. Wicks
Perf. Org. Mgr.
D. B. Engelman 9/19/94
Cost Account Manager Date
T. E. Rainey 9/19/94
Activity Manager Date
G. E. Bishop
DOE Manager (acceptance) Date

D. M. Lucoff 9/16/94
Program Element Manager Date
G. E. Bishop 9/22/94
DOE Manager (agreement) Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Intrusion Prevention in 2 SSTs

Schedule ID: N1E520A005

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.02

ADS No.: 1100-O-NE

Milestone Control No.: T2A-95-164

Completion Date: 9/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[] REPORT

[] DOE-HQ

[] DOE-HQ

[X] LETTER

[X] DOE-RL

[X] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[] CONTR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Provide all engineering, operational, maintenance, fabrication support for intrusion prevention for 2 SSTs in Tank Farms. This includes trouble-shooting, repair and equipment upgrades, cutting and capping piping for tank isolation, and installation of weatherproof isolation covers on tank pits. Declare 2 previously interim stabilized SSTs interim isolated as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Intrusion Prevention is defined as the process of plugging or otherwise blocking pipelines leading into SSTs, and sealing pump or valve pits that drain back into SSTs, or installing barriers to avoid inadvertent liquid addition to an interim stabilized SST.

Deliverables:

Notify RL that intrusion prevention has been completed for 2 SSTs.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Title: Complete Intrusion Prevention in 4 SSTs

Schedule ID: N1E520A013

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.05.02

ADS No.: 1100-0-NE

Milestone Control No.: T2A-97-112

Completion Date: 9/30/97

Milestone Class:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTR

Deliverable:

[] REPORT
 [X] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Provide all engineering, operational, maintenance, fabrication support for intrusion prevention for 4 SSTs in Tank Farms. This includes trouble-shooting, repair and equipment upgrades, cutting and capping piping for tank isolation, and installation of weatherproof isolation covers on tank pits. Declare 4 previously interim stabilized SSTs interim isolated as defined in the Tri-Party Agreement (TPA).

Acceptance Criteria:

Intrusion Prevention is defined as the process of plugging or otherwise blocking pipelines leading into SSTs, and sealing pump or valve pits that drain back into SSTs, or installing barriers to avoid inadvertent liquid addition to an interim stabilized SST.

Deliverables:

Notify RL that intrusion prevention has been completed for 4 SSTs.

D. B. Klos

Perf. Org. Mgr.

D. B. Engelman

Cost Account Manager

T. E. Rainey

Activity Manager

G. E. Bishop

DOE Manager (acceptance)

Date

D. M. Lucoff

Program Element Manager

G. E. Bishop

DOE Manager (agreement)

Date

Date

D2-201

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Campaign 94-2 For 242-A Evaporator

Schedule ID: N1A140A2

Revision: 0

Assigned to: Tank Farms Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.04

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-159

Completion Date: December 29, 1994

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other Status
(Specify): Integrated
Schedule

Description and what constitutes completion of this commitment:

Provide Administrative, Technical, Health Physics and Sampling support to 242-A/AW & AP Tank Farms during Campaign 94-2.

Acceptance Criteria:

Conduct campaign 94-1 by processing waste storage in DST 101 AP, 107 AP, and 108 AP. Achieve a LERF to Waste Volume Reduction (WVR) ratio of 1.4 or less.

Deliverables:

Complete campaign 94-2 by December 29, 1994.

Perf. Org. Mgr.

W. E. Ross

Cost Account Manager

J. W. Bloom

Activity Manager

D. J. Williams

DOE Manager (acceptance) agreement

9/22/94

9/19/94

Date

9/16/94

Date

9-19-94

Date

D. M. Lucoff

Program Element Manager

D. J. Williams

DOE Manager (agreement) acceptance

9/16/94

Date

Date

D2-202

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Outage and Campaign 95-1 For 242-A
Evaporator

Schedule ID: N1A140C2

Revision: 0

Assigned to: Tank Farms Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.04

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-160

Completion Date: September 29, 1995

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other

(Specify): Status
Integrated
Schedule

[] DOE-HQ
[] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Provide Administrative, Technical, Health Physics and Sampling support to 242-A/AW & AP Tank Farms during Outage 95-1 and Campaign 95-1.

Acceptance Criteria:

Conduct the outage related activities and complete campaign 95-1 by processing waste stored in DST 101 AP, 103 AP, 106 AP, and achieve a LERF to Waste Volume Reduction (WVR) ratio of 1.4 or less.

Deliverables:

Complete campaign 95-1 by September 29, 1995.

Perf. Org. Mgr.

W. E. Ross

Cost Account Manager

J. W. Bloom

Activity Manager

D. J. Williams

DOE Manager (acceptance/agreement)

Date

Date

Date

D. M. Lucoff

Program Element Manager

D. J. Williams

DOE Manager (agreement) acceptance

Date

Date

Date

D2-203

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: 242-A Operator Certification Training

Schedule ID: N1A150F2

Revision: 0

Assigned to: Tank Farms Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.05

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-161

Completion Date: September 29, 1995

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☒ Other
(Specify): Status
Integrated
Schedule

Description and what constitutes completion of this commitment:

Perform classroom and on-the-job training for Evaporator Certification for eight (8) Nuclear Process Operators (NPOs).

Acceptance Criteria:

Completed training requirements to obtain eight (8) certified Nuclear Process Operators (NPOs) for the 242-A operation as per requirements set forth in WHC-CM-2-15 and WHC-IP-0883.

Deliverables:

Obtain certification by September 29, 1995 which will be statused monthly by the integrated schedule.

<u>Longman</u>	<u>9/22/94</u>		
Perf. Org. Mgr.			
<u>W. E. Ross</u>	<u>9/19/94</u>	<u>D. M. Lucoff</u>	<u>9/16/94</u>
Cost Account Manager	Date	Program Element Manager	Date
<u>J. W. Bloom</u>	<u>9/16/94</u>	Not Applicable	
Activity Manager	Date	DOE Manager (agreement)	Date
Not Applicable			
DOE Manager (acceptance)	Date		

D2-204

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Resolve Four Remaining Post-Start Engineering Issues

Schedule ID: N1A170G10

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-162

Completion Date: September 29, 1995

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☒ Other WHC
(Specify):☒ CONTRACTOR☒ Other Affidavits
(Specify):

Description and what constitutes completion of this commitment:

Engineering is assigned actions for four post-start punchlist issues from the initial 242-A restart (DOE-P-0109, RRB-0056, RRB-0141, and HTF-0026). These issues will be resolved and affidavits written and approved during FY 95. Interim Milestones:

- Issue LERF Operational Test Report March 31, 1995
- Issue Setpoint Matrix Document June 30, 1995
- Provide Affidavits to Readiness Review Board August 15, 1995

Acceptance Criteria:

Readiness Review Board approval of post-start punchlist affidavits.

Deliverables:

Approved affidavits. Due Date September 29, 1995.

Perf. Org. Mgr.	
R. J. Nicklas	<i>[Signature]</i> 9/16/94
Cost Account Manager	<i>[Signature]</i> 9/16/94
J. W. Bloom	<i>[Signature]</i> 9/16/94
Activity Manager	
Not Applicable	
DOE Manager (acceptance)	

D. M. Lucoff	<i>[Signature]</i> 9/16/94
Program Element Manager	
Not Applicable	
DOE Manager (agreement)	

D2-205

WHC TWRS Milestone Description Sheet

Title: Complete Campaign 94-2 Support

Schedule ID: N1A170B02

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-170

Completion Date: December 29, 1994

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☒ DOE-RL☐ DRAWINGS☒ Other WHC
(Specify):☐ CONTRACTOR☒ Other Process
(Specify): Memo

Description and what constitutes completion of this commitment:

Provide the process and systems engineering services to Operations as necessary to complete 242-A Evaporator Campaign 94-2, including RCRA and process control laboratory analysis.

Acceptance Criteria:

Completion of Campaign 94-2.

Deliverables:

Campaign completion will be documented by issue of an Engineering Process Memo providing directions to Operations to secure and flush the facility. Due Date December 29, 1994.

Perf. Org. Mgr.

R. J. Nicklas

Cost Account Manager

J. W. Bloom

Activity Manager

D. J. Williams

DOE Manager (acceptance)

Date

Date

Date

D. M. Lucoff

Program Element Manager

D. J. Williams

DOE Manager (agreement)

Date

Date

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Campaign 94-2 Post Run Document

Schedule ID: N1A170J06

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-171

Completion Date: July 31, 1995

Milestone Class:

Deliverable:

Addressed to:

[] TPA
 [] DOE-HQ
 [] DOE-RL
 [X] CONTRACTOR

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

[] DOE-HQ
 [] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Issue Campaign 94-2 Post-Run Document as a WHC Supporting Document. This document will include an analysis of campaign results and descriptions of significant engineering lessons-learned.

Acceptance Criteria:

WHC approval of the Supporting Document.

Deliverables:

WHC Supporting Document. Due Date July 31, 1995.

Perf. Org. Mgr.		9/16/94
R. J. Nicklas		Date
Cost Account Manager		9/16/94
J. W. Bloom		Date
Activity Manager		Date
Not Applicable		
DOE Manager (acceptance)		Date

D. M. Lucoff		9/16/94
Program Element Manager		Date
Not Applicable		
DOE Manager (agreement)		Date

D2-207

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Pre-Campaign 95-1 Outage

Schedule ID: N1A170C04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-172

Completion Date: June 30, 1995

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☒ DOE-RL☐ DRAWINGS☒ Other WHC
(Specify):☐ CONTRACTOR☒ Other Affidavits
(Specify):

Description and what constitutes completion of this commitment:

Provide the process and systems engineering support required during the 242-A Evaporator maintenance outage needed to ready the facility for Campaign 95-1. Successful task completions will be documented by a Type 6 Readiness Review.

Acceptance Criteria:

Acceptance and approval of engineering affidavits by the Campaign 95-1 Readiness Review Board.

Deliverables:

Approved affidavits for all Readiness Review items assigned to Engineering. Due Date June 30, 1995.

Perf. Org. Mgr.

R. J. Nicklas

Cost Account Manager

J. W. Bloom

Activity Manager

D. J. Williams

DOE Manager (acceptance) agreement

9/16/94

Date

9/16/94

Date

9-19-94

Date

D. M. Lucoff

Program Element Manager

D. J. Williams

DOE Manager (agreement) acceptance

9/16/94

Date

Date

D2-208

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Issue Campaign 95-1 Process Control Plan

Schedule ID: N1A170C02

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-173

Completion Date: June 30, 1995

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☒ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☐ DOE-RL☐ DRAWINGS☐ Other
(Specify):☒ CONTRACTOR☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Issue 242-A Evaporator Campaign 95-1 Process Control Plan as a Supporting Document. The plan will include an analysis of campaign feed tank data and will outline the processing and sampling strategy for the campaign.

Acceptance Criteria:

WHC approval of the Supporting Document.

Deliverables:

Supporting Document. Due Date June 30, 1995.

Perf. Org. Mgr.		
R. J. Nicklas		9/16/94
Cost Account Manager		Date
J. W. Bloom		9/16/94
Activity Manager		Date
Not Applicable		
DOE Manager (acceptance)		Date

D. M. Lucoff		9/16/94
Program Element Manager		Date
Not Applicable		
DOE Manager (agreement)		Date

D2-209

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Campaign 95-1 Support

Schedule ID: N1A170D02

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-174

Completion Date: September 29, 1995

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☒ DOE-RL☐ DRAWINGS☒ Other WHC
(Specify):☐ CONTRACTOR☒ Other Process
(Specify): Memo

Description and what constitutes completion of this commitment:

Provide the process and systems engineering services to Operations as necessary to complete 242-A Evaporator Campaign 95-1, including RCRA and process control laboratory analysis.

Acceptance Criteria:

Completion of Campaign 95-1.

Deliverables:

Campaign completion will be documented by issue of an Engineering Process Memo providing directions to Operations to secure and flush the facility. Due Date September 29, 1995.

Perf. Org. Mgr.		
R. J. Nicklas	<i>[Signature]</i>	9/16/94
Cost Account Manager		Date
J. W. Bloom	<i>[Signature]</i>	9/16/94
Activity Manager		Date
D. J. Williams	<i>[Signature]</i>	9-19-94
DOE Manager (acceptance) agreement		Date

D. M. Lucoff	<i>[Signature]</i>	9/16/94
Program Element Manager		Date
D. J. Williams		
DOE Manager (agreement) acceptance		Date

WHC TWRS Milestone Description Sheet

Title: Technical Input To Vent & Balance Procedure
Development

Schedule ID: N1A170F02

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-177

Completion Date: September 29, 1995

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other WHC
(Specify):

Description and what constitutes completion of this commitment:

Review technical testing criteria incorporated in revised 242-A/AW/AP Vent and Balance Procedures. Fourteen procedure reviews are scheduled during FY-95.

Acceptance Criteria:

Documentation of procedure review completion by WHC internal memo.

Deliverables:

Internal memo documenting completion of reviews. Due Date September 29, 1995.

R. A. Dodd [Signature] 9/16/94
Perf. Org. Mgr.
R. J. Nicklas [Signature] 9/16/94
Cost Account Manager
J. W. Bloom [Signature] 9/16/94
Activity Manager
Not Applicable
DOE Manager (acceptance) _____ Date _____

D. M. Lucoff [Signature] 9/16/94
Program Element Manager
Not Applicable
DOE Manager (agreement) _____ Date _____

WHC-SP-1101
WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Equipment Status Tracking System Validation Complete

Schedule ID: N1A170H04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-178

Completion Date: January 3, 1995

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[] DOE-RL
[X] Other WHC
(Specify):

Description and what constitutes completion of this commitment:

Review and validate Tank Farms Equipment Status Tracking System data for AW and AP Tank Farms in response to Internal Memo 7CA40-94-043.

Acceptance Criteria:

Completion of review and submittal of comments.

Deliverables:

Internal memo transmitting comments and results of review. Due Date January 3, 1995.

R. A. Dodd		9/16/94
Perf. Org. Mgr.		
R. J. Nicklas		9/16/94
Cost Account Manager		
J. W. Bloom		9/16/94
Activity Manager		
Not Applicable		
DOE Manager (acceptance)		

D. M. Lucoff		9/16/94
Program Element Manager		
Not Applicable		
DOE Manager (agreement)		

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Review Of Non-OSR/OSD CBRS (AW/AP)

Schedule ID: N1A170N04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-179

Completion Date: February 28, 1995

Milestone Class:

Deliverable:

Addressed to:

☐ TPA☐ REPORT☐ DOE-HQ☐ DOE-HQ☐ LETTER☐ DOE-RL☒ DOE-RL☐ DRAWINGS☐ Other
(Specify):☐ CONTRACTOR☒ Other CBRS
(Specify):

Description and what constitutes completion of this commitment:

Review and validate non-OSR/OSD CBRS for AW and AP Tank Farms. Reviews will include technical basis adequacy, applications adequacy, instrument specifications, and calibration setpoints. Prepare revised CBRS input data to correct all identified errors or omissions.

Acceptance Criteria:

Completion of revised CBRS Data Input Forms.

Deliverables:

CBRS Data Input Forms. Due Date February 28, 1995.

R. A. Dodd

Perf. Org. Mgr.

R. J. Nicklas

Cost Account Manager

J. W. Bloom

Activity Manager

D. J. Williams

DOE Manager (acceptance) agreement

9/16/94

9/16/94

9/16/94

Date

9-19-94

Date

D. M. Lucoff

Program Element Manager

D. J. Williams

DOE Manager (agreement) acceptance

9/16/94

Date

Date

D2-213

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: 242-A FSAR Update Available To DOE

Schedule ID: N1A170P04

Revision: 0

Assigned to: Tank Farm Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.07

ADS No.: 1100-O-NA

Milestone Control No.: T2A-95-180

Completion Date: December 22, 1994

Milestone Class:

[] TPA
 [] DOE-HQ
 [X] DOE-RL
 [] CONTR

Deliverable:

[X] REPORT
 [] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [X] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Issue annual 242-A FSAR Update to DOE-RL for review and approval. This revised document will incorporate all necessary changes and corrections to the original document, and will be written in compliance with DOE orders 5480.22 and 5480.23.

Acceptance Criteria:

Submittal of updated FSAR to DOE.

Deliverables:

WHC approved FSAR Document Update. Due Date December 22, 1994.

K. D. Gibson	<i>K.D. Gibson</i>	9/16/94
Perf. Org. Mgr	<i>[Signature]</i>	9/16/94
R. J. Nicklas	<i>[Signature]</i>	9/16/94
Cost Account Manager	<i>[Signature]</i>	9/16/94
J. W. Bloom	<i>[Signature]</i>	9/16/94
Activity Manager	<i>[Signature]</i>	9-19-94
D. J. Williams	<i>[Signature]</i>	9-19-94
DOE Manager (acceptance)	<i>[Signature]</i>	agreement

D. M. Lucoff	<i>[Signature]</i>	9/16/94
Program Element Manager	<i>[Signature]</i>	Date
D. J. Williams	<i>[Signature]</i>	Date
DOE Manager (agreement)	acceptance	Date

D2-214

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Tank Farm Evaporator/AW & AP Tank Farm Operations
Routine Surveillance

Schedule ID: N1A150A2

Revision: 0

Assigned to: Tank Farms Operations And Maintenance

WBS Designator: 1.1.1.2.01.06.05

ADS No.: 1100-0-NA

Milestone Control No.: T2A-95-248

Completion Date: September 29, 1995

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other

(Specify): Status
Integrated
Schedule

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Data taking/monitoring per required frequencies and requirements (approximately 10,000 readings per week) to ensure compliance with operational safety and environmental requirements.

Support to routine surveillance of 242-A & AW/AP Tank Farms including:

- Obtaining daily and quarterly liquid level readings of DST in accordance with OSD-T-151-00031, OSD-T-151-00012, and OSD-T-151-00007.
- Obtain AW/AP Tank Farms 200 East High Level Waste (HLW) tank temperature readings.
- Investigate tank anomalies.

Acceptance Criteria:

All readings will be obtained within OSD Requirements.

Deliverables:

Issue monthly performance indicators for errors / omissions and status the integrated schedule monthly.

Lang Langston 9/22/94
Perf. Org. Mgr.
W. E. Ross 9/19/94
Cost Account Manager
J. W. Bloom 9/16/94
Activity Manager
D. J. Williams 9-19-94
DOE Manager (acceptance) agreement Date

D. M. Lucoff 9/16/94
Program Element Manager
D. J. Williams
DOE Manager (agreement) acceptance Date

D2-215

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Final Waste Tank Safety Programmatic Risk Assessment Report (PNL)

Schedule ID: N2A110A06

Revision: 0

Assigned to: Technical Integration and Planning

WBS Designator: 1.1.1.2.02.01.01

ADS No.: 1110-0-AA

Milestone Control No.: T2B-95-137

Completion Date: 09/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Expand scope of existing Programmatic Risk Assessment Modeling System (PRAMS) developed by PNL and Lumina Decision Systems in FY 1994 for the flammable gas safety program within the Waste Tank Safety Program (WTSP). Collect data on the remaining safety programs within the WTSP as needed (listed in priority order): mitigation, organic, miscellaneous underground storage tanks, ferrocyanide, criticality, and high-heat. Data will include: lists of tasks funded; the associated cost, schedule, and probability of success for each task; precedence among tasks; and cost and schedule uncertainty for each task. All tasks will be tied to the existing SAIC logic for resolution of the respective safety issues. Logic will be developed to prioritize tasks across all safety programs. The model will be capable of producing specific reports and plans for the WTSP, as well as facilitating "what if" games that may lead to identification of preferred program strategies.

S. includes deliverance by PNL of a revised PRAMS User Manual, installation of updated software on a WHC computer, and training of key WHC personnel on the use of the software.

PNL Task Leaders: Linda Fassbender, Alan Brothers, Andy Hesser.

Acceptance Criteria:

The PRAMS model must be capable of analyzing alternative WTSP plans for mitigation of safety issues and prioritizing tasks across safety programs. Issue a report which identifies the recommended set of tasks for the WTSP in FY 1996 based on a Target Budget utilizing the PRAMS database.

Deliverables:

Provide Revised User Manual to WHC - 08/31/95

Issue Final PRA Report, Cleared for Public Release, to RL - 09/29/95

9/19/94
G. A. Hanson, / L. L. Fassbender 9-20-94 Date

Cost Account Manager

9/19/94
G. A. Hanson Date

Activity Manager

R. . . Christensen

Date

DOE Manager (acceptance)

9/21/94
M. A. Payne Date

Program Element Manager

9/22/94
R. F. Christensen Date

DOE Manager (agreement)

Approved:
Manager, PNL Waste Tank Safety
9/21/94

D3-1

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Issue letter report on Void/Viscometer characterization of Tank SY-101

Schedule ID:

Revision: 0

Assigned to: PNL

WBS Designator: 1.1.1.2.02.02.01

ADS No.: 1110-0-AB

Milestone Control No.: T2B-95-157

Completion Date: 04/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon issuance of a report analyzing the results of Viscometer and Voidmeter testing of Tank 241-SY-101. The report will analyze the results of using 1) A Viscometer, an in-situ falling ball device, to measure waste density and viscosity and 2) The Voidmeter to measure in-situ void fraction.

Acceptance Criteria:

Completion of testing, documentation of test results and analyses and issuance of an approved report.

Deliverables:

Letter report, documenting Void/Viscometer test results of Tank 241-SY-101, submitted to the DOE Project Manager, Tank Farms Project Office, by 04/30/95

[Signature] 9/21/94

[Signature] 9/15/94
J. W. Lentsch Date

[Signature] 9/15/94
J. W. Lentsch Date
ity Manager

R. F. Christensen Date
DOE Manager (acceptance)

[Signature] 9/21/94
M. A. Payne Date

[Signature] 9/22/94
R. F. Christensen Date
DOE Manager (agreement)

Approved: *[Signature]*
Manager, PNL Waste Tank Safety
9/21/94

D3-2

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Issue Safety Assessment for in-tank dilution testing of Tank SY-103

Schedule ID:

Revision: 0

Assigned to: LANL

BS Designator: 1.1.1.2.02.02.01

ADS No.: 1110-0-AB

Milestone Control No.: T2B-95-159

Completion Date: 09/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon issuance of a Safety Assessment for in-tank dilution testing of flammable Tank 241-SY-103.

Acceptance Criteria:

Completion of Safety Assessment for in-tank dilution testing of Tank 241-SY-103.

Deliverables:

Letter report, documenting completion of Safety Assessment of dilution testing of Tank 103-SY, submitted to the DOE Project Manager, Tank Farms Project Office, by 09/30/95

J. W. Lentsch
Date 9/15/94

Cost Account Manager

J. W. Lentsch
Date 9/15/94
Manager

R. F. Christensen

Date

DOE Manager (acceptance)

M. A. Payne
Date 9/21/94

Program Element Manager

R. F. Christensen
Date 9/22/94
DOE Manager (agreement)

D3-3

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Complete Tank SY-103 Initial Void Fraction and
Viscometer Testing.

Schedule ID:

Revision: 0

Assigned to: PNL

WBS Designator: 1.1.1.2.02.02.03

ADS No.: 1110-0-AB

Milestone Control No.: T2B-95-156

Completion Date: 06/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon issuance of a report analyzing the results of initial Viscometer and Voidmeter testing of Tank 241-SY-103. The report will analyze the results of using 1) A Viscometer, an in-situ falling ball device, to measure waste density and viscosity and 2) The Voidmeter to measure in-situ void fraction.

Acceptance Criteria:

Completion of testing, documentation of test results and analyses and issuance of an approved report.

Deliverables:

Letter report, documenting Void/Viscometer test results of Tank 241-SY-103, submitted to the DOE Project Manager, Tank Farms Project Office, by 06/30/95

[Signature] (PNL) 9/21/94
[Signature] 9/15/94
J. W. Lentsch Date
Cost Account Manager
[Signature] 9/15/94
Lentsch Date
Manager

R. F. Christensen Date
DOE Manager (acceptance)

[Signature] 9/21/94
M. A. Payne Date
Program Element Manager
[Signature] 9/22/94
R. F. Christensen Date
DOE Manager (agreement)

Approved: *[Signature]*
Manager, PNL Waste Tank Safety
9/21/94

D3-4

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Complete initial Tank AW-101 Void Fraction and
scometer testing

Schedule ID: N2B24

Revision: 0

Assigned to: PNL

VBS Designator: 1.1.1.2.02.02.04

ADS No.: 1110-0-AB

Milestone Control No.: T2B-95-161

Completion Date: 09/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon completion of a report analyzing the results of initial Viscometer and Voidmeter testing of Tank 241-AW-101. The report will analyze the results of using 1) A Viscometer, an in-situ falling ball device, to measure waste density and viscosity and 2) The Voidmeter to measure in-situ void fraction.

Acceptance Criteria:

Completion of testing, documentation of test results and analyses and issuance of an approved report.

Deliverables:

Letter report, documenting Void/Viscometer test results of Tank 241-AW-101, submitted to the DOE Project Manager, Tank Farms Project Office, by 09/30/95.

[Signature] (PNL) 9/21/94

[Signature] 9/15/94
J. W. Lentzen Date

Cost Account Manager

[Signature] 9/15/94
J. W. Lentzen Date

Activity Manager

[Signature] Date
R. Christensen
DOE Manager (acceptance)

[Signature] 9/21/94
M. A. Payne Date

Program Element Manager

[Signature] 9/22/94
R. F. Christensen Date

DOE Manager (agreement)

Approved: *[Signature]*
Manager, PNL Waste Tank Safety
9/21/94

D3-5

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Installation of New Thermocouple Trees and Hookup to
TMACS in Remaining Ferrocyanide Tanks

Schedule ID: N2C340B

Revision: 0

to: Waste Tank Safety Program

BS Designator: 1.1.1.2.02.03

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-113

Completion Date: 09/30/95

Milestone Class:

[] TPA
[X] DOE-HQ SI-2t
[] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Install new thermocouple (TC) trees and hookup the Temperature Monitor and Control System (TMACS) in the remaining ferrocyanide tanks. This work supports FY 1995 TPA Milestone M-40-02. Work to include procurement of required equipment, material, fabrication, installation, and repair work for a total of 7 remaining ferrocyanide tanks deliverable for two of the 7 remaining ferrocyanide tanks is covered under TPA milestone M-40-02B due 4/30/95).
NOTE: The deliverable date of this milestone has changed from December 1994 to reflect delay of TC installation to optimize riser use.

Interim Milestone: M-40-02B, Install Two of Seven New Thermocouples in Ferrocyanide Tanks by 4/30/95

Acceptance Criteria:

Documented results that identify successful installation and operation of seven new thermocouple trees and connection to continuous temperature monitoring system to satisfy the safety concern.

References:

Transmittal of a letter to DOE-RL documenting installation of remaining thermocouple trees and hookup of TMACS.

G. T. Dukelow/D. B. Klos 9/19/94
Date

Cost Account Manager

G. T. Dukelow 9/19/94
Date

Activity Manager

R. F. Christensen

Date

DOE Manager (acceptance)

M. A. Payne 9/20/94
Date

Program Element Manager

R. F. Christensen 9/22/94
Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Transfer Cyanoferrate Speciation Technology to Analytical Laboratories

Schedule ID: N2C310D

Revision: 0

Addressed to: PNL

WBS Designator: 1.1.1.2.02.03.01

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-112

Completion Date: 03/27/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify): Ferrocyanide Safety Technology Manager

Description and what constitutes completion of this commitment:

Provide qualified, approved analytical procedures for the quantitative measurement of cyanide species in dissolved samples of high-level ferrocyanide tank waste using Fourier transform infrared (FTIR) spectroscopy and ion chromatography (IC) techniques. The procedures, with applicable hardware, will be implemented and used to characterize core samples from ferrocyanide tanks. Activities include initial training and supervision of analysts responsible for performing this work in the laboratory, and the transfer of validated procedures to the PNL 325 Analytical Laboratory and the WHC 222-S Analytical Laboratory

Acceptance Criteria:

Completion and acceptance of approved procedures by PNL and WHC Analytical Laboratories for cyanoferrate speciation using FTIR and IC techniques.

Deliverables:

Issue FTIR/ICP Speciation Final Report by 3/27/95.*

- PNL shall submit a FTIR/ICP Speciation draft report to WHC Ferrocyanide Safety Technology Manager by 2/17/95.*
- WHC shall provide review comments on draft report to PNL by 03/02/95.*
- PNL shall transfer validated and approved analytical procedure for quantitative measurement of cyanide species in actual tank waste to PNL 325 Analytical Laboratory by 2/28/95.*
- PNL shall transfer validated and approved analytical procedure for quantitative measurement of cyanide species in actual tank waste to WHC 222-S Analytical Laboratory by 3/15/95.*
- PNL shall transmit a cleared final report on FTIR/ICP Speciation to WHC by 3/27/95.*

- The deliverable dates listed above assume timely approval for the restart of this radiological activity in the 325 building by 10/01/94. If approval for restart of this radiological activity in the 325 building is delayed beyond 10/01/94, all deliverable dates will be adjusted linearly for the additional delay.

R. J. Cash/G. F. Schiefelbein
Date 9/21/94

Cost Account Manager

G. T. Dukelow
Date 9/21/94

Activity Manager

N/A
Date
DOE Manager (acceptance)

M. A. Payne
Date 9/21/94

Program Element Manager

N/A
Date
DOE Manager (agreement)

Approved:
Manager, PNL Waste Tank Safety
9/21/94

D3-7

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Issue Report on Ferrocyanide Aging Studies

Schedule ID: N2C310D

Revision: 0

Assigned to: PNL -- Waste Tank Ferrocyanide Safety Project

WBS Designator: 1.1.1.2.02.03.01

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-114

Completion Date: 09/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The task is to investigate the solubility, hydrolysis, and radiation-induced reaction rates of ferrocyanide flowsheet simulants under waste tank conditions and in the presence of a degrading waste simulant. A better understanding of hydrolysis rates and determination of the activation energy for hydrolysis under tank conditions is needed in order to determine the extent of ferrocyanide destruction that may have occurred during decades of storage. Hydrolysis experiments with ferrocyanide flowsheet simulants will be conducted on the benchtop and in a gamma field.

Acceptance Criteria:

PNL will transmit a report, cleared by PNL, DOE, and WHC program staff to WHC for disposition.
will transmit the formal PNL report, cleared for public release to DOE-RL.

Deliverables:

Transmit a cleared PNL final report on Fiscal Year 1995 aging studies to DOE-RL

- Review current test plan and, if necessary, transmit a revised FY 1995 test plan to Westinghouse Hanford for final approval by 10/31/94
- Transmit a draft final report on fiscal Year 1995 aging studies activities to Westinghouse Hanford by 8/1/95.
- WHC will provide review comments on draft report to PNL by 08/06/95.
- Transmit a cleared final report on fiscal Year 1995 aging studies activities to Westinghouse Hanford by 8/22/95.

R. J. Cash/G. F. Schiefelbein
Cost Account Manager
Date: 9/21/94

G. T. Dukelow
Activity Manager
Date: 9/21/94

R. F. Christensen
DOE Manager (acceptance)
Date:

M. A. Payne
Program Element Manager
Date: 9/21/94

R. F. Christensen
DOE Manager (agreement)
Date: 9/22/94

Approved:
Manager, PNL Waste Tank Safety
9/21/94

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Issue Report on Moisture Retention Modeling of Ferrocyamide Waste

Schedule ID: N2C310D

Revision: 0

Addressed to: PNL -- Waste Tank Ferrocyamide Safety Project

WBS Designator: 1.1.1.2.02.03.01

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-115

Completion Date: 09/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[X] Other (Specify): Ferrocyamide Safety Technology Program Manager

Description and what constitutes completion of this commitment:

This task models the behavior of water held in ferrocyamide tank wastes as influenced by processes of consolidation and surface evaporation under radioactive heating. This includes: (1) identifying the relevant mathematical theory for model development; (2) specifying the controlling physical parameters; (3) recommending methods for measuring controlling parameters; (4) computer model calculations; and (5) sludge simulant tests. The work is required to predict the capability of ferrocyamide sludge waste to retain moisture in a waste tank system.

Acceptance Criteria:

- PNL will transmit a draft report to WHC for review and comment by 8/1/94.
- PNL will incorporate comments and transmit a final report, (cleared for public release) to WHC for disposition.

Deliverables:

WHC will transmit a cleared PNL final report on moisture retention studies to DOE-RL by 09/29/95.

- PNL shall transmit a draft final report on moisture retention studies to WHC for review by 08/01/94.
- WHC shall provide review comments on draft report to PNL by 08/22/95.
- PNL shall transmit a cleared final report on moisture retention studies to WHC by 09/22/95.

R. J. Cash/G. F. Schiefelbein
Cost Account Manager
Date: 9/21/94

G. T. Dukelow
Activity Manager
Date: 9/21/94

N/A
DOE Manager (acceptance)
Date:

M. A. Payne
Program Element Manager
Date: 9/4/94

N/A
DOE Manager (agreement)
Date:

Approval:
Manager, PNL Waste Tank Safety
9/21/94

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: **Install Two of Seven Thermocouples in Ferrocyanide Tanks**

Schedule ID: **N2C340B**

Revision: **0**

At: **Ferrocyanide Operations Program**

NBS Designator: **1.1.1.2.02.03.03**

ADS No.: **1110-0-AC**

Milestone Control No.: **T2B-94-490**

Completion Date: **04/30/95**

Milestone Class:

[☒] TPA M-40-02B
 [] DOE-HQ
 [] DOE-RL
 [] CONTRACTOR

Deliverable:

[] REPORT
 [☒] LETTER
 [] DRAWINGS
 [] Other
 (Specify):

Addressed to:

[] DOE-HQ
 [☒] DOE-RL
 [] Other
 (Specify):

Description and what constitutes completion of this commitment:

Install new thermocouple (TC) trees and hookup the temperature monitor and control system (TMACS) in 2 ferrocyanide tanks. This work supports Fiscal Year 1995 Safety Initiative 2t and FY 1995 TPA Milestone M-40-02. Work to include procurement of required equipment, material, installation, and repair work. [Reference TPA milestone M-40-02B as interim step toward completion of TPA milestone M-40-02.]

Acceptance Criteria:

Documented results that identify successful installation and operation of 2 new thermocouple trees and connection to the continuous temperature monitoring system to satisfy the safety concern.

Deliverables:

DOE RL transmittal of closure notification to Washington State Department of Ecology and the U.S. Environmental Protection Agency (EPA).

- Complete installation of new TC trees and hookup to TMACS for two ferrocyanide tanks. Issue status report to the DOE-RL documenting completion of this work by 4/18/95.

G. T. Dukelow/D. B. Klos 9/17/94
 G. T. Dukelow/D. B. Klos Date

Cost Account Manager

G. T. Dukelow 9/19/94
 G. T. Dukelow Date

Activity Manager

R. F. Christensen _____
 R. F. Christensen Date

DOE Manager (acceptance)

M. A. Payne 9/20/94
 M. A. Payne Date

Program Element Manager

R. F. Christensen 9/22/94
 R. F. Christensen Date

DOE Manager (agreement)

D3-10

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Upgrade Temperature Monitoring Capabilities in Ferrocyanide Tanks

Schedule ID: N2C340B

Revision: 1

to: Ferrocyanide Operations Program

VBS Designator: 1.1.1.2.02.03.03

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-100

Completion Date: 09/30/95

Milestone Class:

[X] TPA M-40-02
[] DOE-HQ
[] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

Install and operate the seven remaining thermocouple trees in ferrocyanide tanks, including connection to TMACS. This upgraded monitoring capability shall provide sufficient data on the temperature characteristics of the tanks to meet safety requirements. The installation of upgraded temperature monitoring in ferrocyanide tanks will allow continued operations of the tanks.

Acceptance Criteria:

Documented results that identify successful installation and operation of upgraded temperature monitoring capabilities in the ferrocyanide tanks to satisfy the safety concern.

Deliverables:

On transmittal of closure notification to Washington State Department of Ecology and the U.S. Environmental Protection Agency (EPA).

- Provide letter to DOE-RL documenting completion of the milestone by 9/15/95.

G. T. Dukelow/D. B. Klos 9/19/94
Date

Cost Account Manager

G. T. Dukelow 9/19/94
Date

Activity Manager

R. F. Christensen Date

DOE Manager (acceptance)

M. A. Payne 9/20/94
Date

Program Element Manager

R. F. Christensen 9/22/94
Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Implement Moisture Monitoring for Ferrocyanide Tanks
With Existing LOWs Using Dual Neutron Probe

Schedule ID: N2C340C

Revision: 0

Site: Nuclear Analysis/Characterization

BS Designator: 1.1.1.2.02.03.03

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-118

Completion Date: 09/01/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other
(Specify): Ferrocyanide
Operations
Program
Manager

Description and what constitutes completion of this commitment:

Design and manufacture dual detector neutron moisture probes for application to the ferrocyanide tanks. Use past years' experience in optimizing the design. Calibrate the dual detector probes with known simulant containing different hydrogen concentrations. Apply the probes in field tests to measure moisture concentrations in all ferrocyanide tanks that have an installed LOW, and in those tanks where additional LOWs are installed. Provide a method for automated neutron probe moisture interpretations. Design and use a calibration facility for both neutron and EMI probes. Design and procure a monitoring van for both neutron and EMI probe use.

Acceptance Criteria:

3a. as deliverable

Deliverables:

Implement moisture monitoring of ferrocyanide tanks having LOWs using dual neutron probe and provide a letter report covering the probe and the measurement results.

- Issue status letter report on dual neutron probe design, testing, and tank moisture data interpretation by 4/15/95.

9/19/94
H. Tofer Date

9/19/94
G. T. Dukelow Date

Activity Manager

N/A Date

DOE Manager (acceptance)

9/20/94
M. A. Payde Date

Program Element Manager

N/A Date

DOE Manager (agreement)

D3-12

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Engineering Testing and In-Tank Application of Electromagnetic Induction (EMI) Moisture Monitoring System and Provide Report

Schedule ID: N2C340J

Revision: 0

SSIs to: Nuclear Analysis/Characterization

BS Designator: 1.1.1.2.02.03.03

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-120

Completion Date: 09/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify):
Ferrocyanide Operations Program Manager

Description and what constitutes completion of this commitment:

Provide a survey of commercial vendors capable of supplying probes or probe components. Establish a computer analysis capability to test and optimize design parameters of probe for tank applications. Provide additional concept measurements. Establish compatibility for the prototype probe with new surveillance van configuration and operation. Calibrate the probe with known moisture standards. Demonstrate application in a tank environment.

Acceptance Criteria:

Satisfactory completion of testing and full-scale demonstration that is performed within cost and schedule.

Deliverables:

Provide a letter report describing the engineering testing of the electromagnetic induction moisture monitoring system.

- Issue survey report of electromagnetic probe commercial equipment (1/16/95).
- Provide design specifications for electromagnetic system compatible with new surveillance van application (5/30/95).
- Provide summary report by September 30, 1995

9/19/94

H. Laffer Date

Cost Account Manager

9/19/94

G. T. Dukelow Date

Activity Manager

N/A Date

DOE Manager (acceptance)

9/20/94

M. A. Payne Date
Program Element Manager

N/A Date
DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Transmit Data Interpretation Reports for Three
Ferrocyanide Tanks

Schedule ID: N2C330F

Revision: 0

Assigned to: Characterization Support

WBS Designator: 1.1.1.2.02.03.03

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-123

Completion Date: 09/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Interpret analytical laboratory data on the characterization of core samples from three ferrocyanide tanks as the data relates to resolution of the Ferrocyanide Safety Issue; complete data interpretation reports, as externally published (EP) reports. Issuance of the reports is dependent upon core samples being obtained from three ferrocyanide tanks in FY 1994 or early FY 1995 and the official release of the analytical report by Hanford Analytical Services Management at least three months before the milestone date.

Acceptance Criteria:

- The Characterization Support group will transmit draft reports to the Ferrocyanide Safety Technology Manager for view and comment by 8/25/95.
- The three reports cleared for public release will be transmitted to DOE-RL.

Deliverables:

Submit report to DOE-RL to document and interpret significance of core sample characterization results from three ferrocyanide tanks in three EP reports, approved for public release.

- Provide draft reports to the Ferrocyanide Safety Program for internal review by 8/25/95.

R. J. Cash/C. S. Haller
Cost Account Manager

9/21/94
Date

G. T. Dukelow
Activity Manager

9/21/94
Date

N/A
Date

DOE Manager (acceptance)

M. A. Payne
Program Element Manager

9/21/94
Date

N/A
Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Transmit Quarterly Progress Reports

Schedule ID: N2C330A

Revision: 0

As of: Ferrocyane Safety Technology

WBS Designator: 1.1.1.2.02.03.03

ADS No.: 1110-0-AC

Milestone Control No.: T2B-95-133

Completion Date: 07/14/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Plan, coordinate, and control activities associated with the Ferrocyane Safety Technology Program. This shall include Statements of Work (SOW); Defense Nuclear Facility Safety Board (DNFSB) quarterly reports; preparation of the Fiscal Year 1995 Ferrocyane Safety Program Plan; and inputs to the Waste Tank Safety Quality Assurance Plan (QAP), Project Management Plan (PMP), and Waste Tank Safety Fiscal Year Program Plans.

Acceptance Criteria:

Prepare draft quarterly progress reports to DOE-RL in the months of October, January, April, and July (within 15 days after the end of the fiscal quarter)

Deliverables:

Transmit draft quarterly progress reports to DOE-RL 15 days after close of each fiscal quarter.

R. J. Cash
Date 9-21-94

Cost Account Manager

G. T. Dukelow
Date 9-21-94

Activity Manager

N/A
Date

DOE Manager (acceptance)

M. A. Payne
Date 9/21/94

Program Element Manager

N/A
Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Report on Modeling of Waste Physical Properties and Behavior (PNL)

Schedule ID: N2D410A04

Revision: 0

Assigned to: Flammable Gas Tank Safety

WBS Designator: 1.1.1.2.02.04.01

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-138

Completion Date: 07/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

The TEMPEST and other relevant existing codes will be applied as required to model the physical state (thermal, hydraulic and gas release behavior) of the waste and to predict the behavior of the waste. WHC will select the tanks to be analyzed and any specific analysis needs.

A progress report on FY 1995 PNL Flammable Gas work in the area of Modeling of Waste Physical Properties and Behavior will be prepared.

PNL Task Leaders: Joe Brothers, Zen Antoniak, Lawrence Schienbein

Acceptance Criteria:

PNL will transmit a draft progress report, cleared internally within PNL, to WHC for review and comment.
WHC will transmit the draft progress report with comments back to PNL.
PNL will transmit a final progress report, cleared by PNL, to WHC.
WHC will transmit a formal PNL progress report, cleared for public release, to RL.

Deliverables:

PNL transmit draft progress report to WHC for review and comment - 06/01/95
WHC transmit draft progress report with comments back to PNL - 06/15/95
PNL transmit final progress report, cleared for public release, to WHC - 07/28/95
WHC transmit cleared PNL progress report to RL - 07/31/95

JS. 9/20/94

N. G. McDuffie / J. W. Brothers *9/20/94*
N. G. McDuffie / J. W. Brothers *9/21/94* Date

Cost Account Manager

G. D. Johnson *9/21/94*
G. D. Johnson *9/21/94* Date
Activity Manager

N/A Date

Manager (acceptance)

M. A. Payne *9/21/94*
M. A. Payne *9/21/94* Date
Program Element Manager

N/A Date
DOE Manager (agreement)

Approved: *Ray M. Bean*
Manager, PNL Waste Tank Safety
9/21/94

D3-16

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Report on Gas Generation Studies (PNL)

Schedule ID: N2D410C08

Revision: 0

Assigned to: Flammable Gas Tank Safety

WBS Designator: 1.1.1.2.02.04.01

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-139

Completion Date: 09/05/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-RL

[] DRAWINGS

[] Other
(Specify):

[X] CONTRACTOR

[] Other
(Specify):

Description and what constitutes completion of this commitment:

Establish the identity and stoichiometry of degradation products formed in actual tank wastes and in simulated wastes by thermal and/or radiolytic processes. Among the gaseous degradation products known to be formed are ammonia, hydrogen, nitrous oxide, nitrogen, and methane. Gas generation studies using actual wastes will be performed at PNL. Tank core samples to be used for this work will be chosen based on availability, need for information, and how well the PNL tests of particular core samples parallel and complement similar WHC gas generation studies.

Studies on simulated waste mixtures will be conducted at the Georgia Institute of Technology (GIT). Time profiles for the formation and disappearance of products in the thermal decomposition of HEDTA in simulated wastes will be established. Thermal and radiolytic degradation reactions in simulated wastes will be compared. The role of aluminum in the activation of nitrite ions for reactions with organic waste components will be established. Thermal and radiolytic mechanisms leading to the formation of ammonia will be determined.

A report on FY 1995 PNL and GIT Flammable Gas work in the area of Gas Generation Studies will be prepared.

PNL Task Leaders: Joe Brothers, Larry Pederson, Sam Bryan

Acceptance Criteria:

PNL will transmit a draft progress report, cleared internally within PNL, to WHC for review and comment.
WHC will transmit the draft progress report with comments back to PNL.
PNL will transmit a final progress report, cleared by PNL, to WHC.
WHC will transmit a formal PNL progress report, cleared for public release, to RL.

Deliverables:

PNL transmit draft progress report to WHC for review and comment - 07/14/95
WHC transmit draft progress report with comments back to PNL - 08/04/95
PNL transmit final progress report, cleared for public release, to WHC - 08/31/95
WHC transmit cleared PNL progress report to RL - 09/05/95

9/21/94 228 05/21/94 CAB 9-21-94
N. G. McDuffie / J. W. Brothers 9/21/94 Date
Cost Account Manager
G. D. Johnson 9/21/94 Date
Program Manager

9/21/94
M. A. Payne 9/21/94 Date
Program Element Manager
N/A Date
DOE Manager (agreement)

N/A Date
DOE Manager (acceptance)

Approved: Roger M. Beam,
Manager, PNL Waste Tank Safety
9/21/94

D3-17

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Report on Gas Retention and Its Effects on Waste Properties and the Relationship to Gas Release (PNL)

Schedule ID: N2D410E04

Revision: 0

Assigned to: Flammable Gas Tank Safety

VBS Designator: 1.1.1.2.02.04.01

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-140

Completion Date: 09/08/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA

[X] CONTRACTOR

[] DOE-HQ

[] DOE-RL

[] DOE-RL

[] Other (Specify):

[X] REPORT

[] LETTER

[] DRAWINGS

[] Other (Specify):

Description and what constitutes completion of this commitment:

The work scope for this task is to determine and quantify the mechanisms of gas retention in simulated slurries, determine how gas retention affects the viscosity and shear strength of the sludge, and develop and confirm correlations that correctly reflect the effect of gas retention and typical sludge parameters (such as particle size and solids volume fraction) on the viscosity of simulated slurries.

Sludge viscosity is apparently particularly important to gas bubble release from waste in flammable gas Watch List tanks. However, essentially no literature data exist that could be used to quantify the role of bubbles on sludge viscosity. The first task will collect data on bubble slurry viscosity. The shear strength is believed to be a critical parameter in determining the relation of sludge layer buoyancy and inducement of a gas release event. The yield strength also represents one of the likely mechanisms responsible for gas bubble retention. The second task will measure the effect of gas bubbles on sludge strength and quantify how slurries retain bubbles. The third task will develop models to correlate the effect of bubbles on sludge rheology. Solid/gas interface effects will be investigated at the Univ. of Texas, Austin.

A report on FY 1995 PNL Flammable Gas work in the area of Gas Bubble Retention and its Effects on Waste Properties and the Relationship to Gas Release will be prepared.

PNL Task Leaders: Joe Brothers, Phil Gauglitz

Acceptance Criteria:

PNL will transmit a draft progress report, cleared internally within PNL, to WHC for review and comment.

WHC will transmit the draft progress report with comments back to PNL.

PNL will transmit a final progress report, cleared by PNL, to WHC.

WHC will transmit a formal PNL progress report, cleared for public release, to RL.

Deliverables:

PNL transmit draft progress report to WHC for review and comment - 07/14/95

WHC transmit draft progress report with comments back to PNL - 08/04/95

PNL transmit final progress report, cleared for public release, to WHC - 09/05/95

WHC transmit cleared PNL progress report to RL - 09/08/95

N/A

DOE Manager (agreement)

Approved: *Ray M. Baum*

Manager, PNL Waste Tank Safety

9/21/95

D3-18

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Status Report on Gas Monitoring Data for DSTs

Schedule ID: N2D420A18

Revision: 0

Assigned to: Flammable Gas Tank Safety

WBS Designator: 1.1.1.2.02.04.02

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-141

Completion Date: 01/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Results of gas monitoring work at tank 241-SY-101 have been extensively reported. Standard hydrogen monitoring systems (SHMS) will also be located at the other double-shell tanks (DST) on the Flammable Gas Watch List: 241-SY-103, 241-AW-101, 241-AN-103, 241-AN-104 and 241-AN-105. Hydrogen concentrations will be obtained continually with Whittaker electrochemical cells. Periodic grab samples will also be taken, allowing concentrations of other gases to be measured as well as hydrogen. A status report will be issued summarizing the data obtained from each of these tanks. This will be a brief data report.

Acceptance Criteria:

Install SHMS on 5 DSTs (TPA M-40-15).
Complete Acceptance Test Procedure (ATP) for each SHMS.
Obtain at least one grab sample from each SHMS.
Analyze grab sample from each tank for gas composition.
Monitor hydrogen concentration in each tank for a minimum of 2 months.
Prepare brief status report with data on gas monitoring and analysis for each tank.
Issue WHC-SD report.

Deliverables:

Transmit Report, Cleared for Public Release, to RL - 01/30/95

D. J. Sherwood *N. W. Kirch*

9/19/94

D. J. Sherwood / N. W. Kirch

Date

Cost Account Manager

G. D. Johnson

7/24/94

G. D. Johnson

Date

Activity Manager

Date

Manager (acceptance)

M. A. Payne

7/21/94

M. A. Payne

Date

Program Element Manager

N/A

Date

DOE Manager (agreement)

D3-19

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Interpretive Report on Tank 241-SY-103 Core Sample Data

Schedule ID: N2D420E08

Revision: 0

Assigned to: Flammable Gas Tank Safety

NBS Designator: 1.1.1.2.02.04.02

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-142

Completion Date: 06/15/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The Characterization Program (1.1.1.2.04) will take a full depth core sample from tank 241-SY-103, perform physical and chemical analyses on the sample, and issue a Tank Characterization Report (TCR). Requirements for the sampling and analysis are provided in "Flammable Gas Safety Program: Data Requirements for the Flammable Gas Safety Issue Developed through the Data Quality Objectives (DQO) Process", WHC-SD-WM-DQO-004.

An interpretive report will then be prepared by the Waste Tank Safety Program. Data obtained from the TCR will be (1) summarized; (2) compared with similar data from 241-SY-101; and (3) analyzed from the viewpoint of explaining the periodic gas release behavior being exhibited by the waste. The interpretive report will also provide details of the fill and operational history of the tank, and describe how the waste samples were obtained from the tank. Other material found to be of interest after examination of the TCR data may also be included in the interpretive report.

Acceptance Criteria:

Verification of one core sample obtained from tank 241-SY-103.
Receipt of TCR within 216 days after sample delivered to lab.
Prepare interpretive report based on TCR and process data.
Issue WHC-SD report.

Deliverables:

Transmit Report, Cleared for Public Release, to RL - 06/15/95

D. J. Sherwood / N. W. Kirch
9/19/94
Date

Cost Account Manager

G. D. Johnson
9/21/94
Date
Activity Manager

N/A
Date

Manager (acceptance)

M. A. Payne
9/21/94
Date
Program Element Manager

N/A
Date
DOE Manager (agreement)

D3-20

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Status Report on Gas Monitoring Data for SSTs

Schedule ID: N2D420A12

Revision: 0

Assigned to: Flammable Gas Tank Safety

WBS Designator: 1.1.1.2.02.04.02

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-143

Completion Date: 08/15/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Standard hydrogen monitoring systems (SHMS) will also be located at the nineteen single-shell tanks (SST) on the Flammable Gas Watch List. Hydrogen concentrations in the tanks, or in the ventilation lines from the tanks, will be obtained continually with Whittaker electrochemical cells. Periodic grab samples will also be taken, allowing concentrations of other gases to be measured as well as hydrogen. A status report will be issued summarizing the data obtained from each of these tanks. This will be a brief data report.

The nineteen SSTs are: 241-A-101, 241-AX-101, 241-AX-103, 241-S-102, 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, 241-SX-105, 241-SX-106, 241-SX-109, 241-T-110, 241-U-103, 241-U-105, 241-U-107, 241-U-108 and 241-U-109.

Acceptance Criteria:

Install SHMS on 19 SSTs (Safety Initiative 2h).
Complete Acceptance Test Procedure (ATP) for each SHMS.
Obtain at least one grab sample from each SHMS.
Analyze grab sample from each tank for gas composition.
Monitor hydrogen concentration in each tank for a minimum of 2 months.
Prepare brief status report with data on gas monitoring and analysis for each tank.
Issue WHC-SD report.

Deliverables:

Transmit Report, Cleared for Public Release, to RL - 08/15/95

9/19/94
D. J. Sherwood / N. W. Kirch
Date

9/20/94
G. D. Johnson
Date
Activity Manager

N/A
Date
DOE Manager (acceptance)

9/21/94
M. A. Payne
Date

Program Element Manager
N/A
Date
DOE Manager (agreement)

D3-21

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Report on Retained Gas Sampling of Tank 241-SY-101

Schedule ID: N2D420G16

Revision: 0

Assigned to: Flammable Gas Tank Safety

WBS Designator: 1.1.1.2.02.04.02

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-144

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Development of a retained gas sampling (RGS) system was initiated in FY 1994, and the system is expected to be ready for use in FY 1995. Waste samples will be taken from tank 241-SY-101 using the RGS system. The samples will be analyzed, and the data made available for the determination of the distribution and amount of gas in the waste, and the gas composition. Tank waste is expected to consist of all three phases of matter: solid, liquid and gas. In addition to a free gas phase, gas may be dissolved in the liquid phase or absorbed on the solid phase. Of primary interest to the Waste Tank Safety Program is the fraction of gas in the waste. A report will be prepared on the results of the sampling and analysis. The report should also describe the RGS system and evaluate how well the system performed.

Acceptance Criteria:

Develop retained gas sampling system.
Obtain waste sample from tank 241-SY-101 using the RGS system.
Extrude and analyze waste sample to determine the fraction of gas in the waste.
Prepare report on results of RGS.
Issue WHC-SD report.

Deliverables:

Transmit Report, Cleared for Public Release, to RL - 09/29/95

D. J. Sherwood / R. E. Bauer 9/14/94
Date

Cost Account Manager

G. D. Johnson 9/12/94
Date

Activity Manager

N/A
Date

DOE Manager (acceptance)

M. A. Payne 9/14/94
Date

Program Element Manager

N/A
Date

DOE Manager (agreement)

D3-22

WHC TWRS Milestone Description Sheet

Page 1 of 1

TITLE: Complete Vapor Space Monitoring ^{WHC-SP-1101} for All Flammable Gas Generating Tanks
SCHEDULE ID: N2D420A38
REVISION: 0

ASSIGNED TO: Waste Tank Safety
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-97-100

ADS NO: 1110-0-AD
COMPLETION DATE: 01/31/97

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☒ TPA [M-40-10]	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-RL	☐ Drawings	☐ Other (Specify)
☐ WHC Key	☐ Other (Specify)	

Description and what constitutes completion of this commitment:

Design, procure, and fabricate standard hydrogen monitoring systems (SHMS) for all unreviewed safety question (USQ) flammable gas Watch List tanks. Prepare all required safety and environmental documentation for tank intrusive work on a tank by tank, or group of tanks, basis. Install the SHMSs and obtain vapor space grab samples. Analyze samples using a high sensitivity mass spectrometer to determine the concentrations of flammable gases (e.g., hydrogen, nitrous oxide, ammonia) for all tanks. Report the background gas compositions for the double-shell tanks that entrap and periodically release gas. The vapor space of each tank will be observed over a sufficient period of time to make decisions regarding resolution of the safety issue. A report, with the analytical data for each tank, will be prepared, cleared for public release, and transmitted to RL for subsequent issuance to the Washington Department of Ecology and Environmental Protection Agency.

Monitoring will continue after the initial report.

Acceptance Criteria:

Documented results proving vapor space monitoring in all 25 flammable gas Watch List tanks (identified as of April 15, 1994); monitoring period will be at least 18 months for each tank and will indicate if, how often, and to what extent the hydrogen present in the vapor space exceeds 25% of the lower flammability limit.

Deliverables:

1) Cleared report (approved for public release) on the results of vapor space monitoring in all flammable gas generating tanks transmitted to DOE-RL. 12/31/96

2) RL transmittal of WHC report to Ecology and EPA. 01/31/97

D. J. Sherwood / N. W. Kirch 9/19/94
Cost Account Manager: Date:

M. A. Payne 9/21/94
Program Element Manager: Date:

G. D. Johnson 9/20/94
Activity Manager: Date:

R. F. Christensen 9/22/94
DOE Manager (agreement): Date:

DOE Manager (acceptance): Date:

D3-23

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

TITLE: Close SY Farm Flammable Gas
Unreviewed Safety Question by
March 1995

SCHEDULE ID: N2D430A07
REVISION: 0

ASSIGNED TO: Waste Tank Safety Program
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-95-105

ADS NO: 1110-0-AD
COMPLETION DATE: 03/31/95

MILESTONE CLASS:

☐ TPA
☒ DOE-HQ [SI - 21]
☐ DOE-RL
☐ Contractor

DELIVERABLE:

☐ Report
☒ Letter
☐ Drawings
☐ Other (Specify)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description and what constitutes completion of this commitment:

The potential for a flammable gas mixture and ignition source to be present simultaneously in waste tanks had not been adequately addressed by the existing safety analysis, resulting in an Unreviewed Safety Question (USQ). Twenty-five tanks are affected; including two (241-SY-101 and 241-SY-103) in the SY Farm. Requests for closure of the USQ for each tank in the SY Farm will be submitted separately. Closure of the USQ requires development of an adequate safety basis and implementation of controls to ensure operational safety.

Closure of the SY Farm USQ is an important first step towards closure of the flammable gas USQ. Closure of the SY Farm USQ does not, however, close the flammable gas USQ, nor does it resolve the flammable gas safety issue. The milestone completion date assumes that (1) a mitigation pump is not required in tank 241-SY-103 to close the USQ, and (2) RL has been formally delegated the authority by 12/30/94 to approve safety analysis reports.

Scope includes evaluating historical documents, process data and technical data (gas composition and concentration, energetics of gas release, chemical reactions, etc.) as it relates to safety issue resolution, performing detailed safety hazard analyses, establishing work controls, and completing the USQ evaluation.

Interim milestones:

- Submit changes to authorization basis for tank 241-SY-101 08/31/94
- DOE approval of authorization basis to close the USQ for tank 241-SY-101 11/30/94
- Submit changes to authorization basis for tank 241-SY-103 02/15/95
- DOE approval of authorization basis to close the USQ for tank 241-SY-103 03/31/95

Acceptance Criteria:

Submit changes for approval to the authorization basis (Chapter 6 of "Hanford Site Tank Farm Facilities Interim Safety Basis", WHC-SD-WM-15B-001 Rev. 0) for tanks 241-SY-101 and 241-SY-103.
Negative responses to the four USQ Safety Review questions and eight USQ Safety Evaluation questions for tanks 241-SY-101 and -103.

Obtain DOE approval of proposed changes to the authorization basis to close the USQ for tanks 241-SY-101 and 241-SY-103 in accordance with DOE Order 5480.21 "Unreviewed Safety Questions". This will close the USQ for the 241-SY Farm.

Deliverables:

- Submit WHC letter to RL requesting closure of USQ for tank 241-SY-103 02/15/95
- Receive DOE letter approving request to close USQ for tank 241-SY-103 03/31/95

G. M. Christensen K. O. Fein 7/15/94
Cost Account Manager Date

M. A. Rayne 9/21/94
Program Element Manager Date

G. D. Johnson R. F. Christensen 7/19/94
Activity Manager Date

R. F. Christensen 9/22/94
DOE Manager (agreement) Date

DOE Manager (acceptance) Date

D3-24

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Close AW Farm Flammable Gas USQ

Schedule ID: N2D430B12

Revision: 0

Assigned to: Safety and Environmental Documentation

NBS Designator: 1.1.1.2.02.04.03

ADS No.: 1110-0-AD

Milestone Control No.: T2B-95-145

Completion Date: 08/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

The potential for a flammable gas mixture and ignition source to be present simultaneously in waste tanks had not been adequately addressed by the existing safety analysis, resulting in an Unreviewed Safety Question (USQ). Twenty-five tanks are affected; including one (241-AW-101) in the AW Farm. Closure of the USQ requires development of an adequate safety basis and implementation of controls to ensure operational safety.

Closure of the SY Farm USQ (Safety Initiative 2I, due date 3/31/95) is an important first step towards closure of the AW Farm USQ. Closure of both the SY Farm and AW Farm USQs does not close the flammable gas USQ, nor does it resolve the flammable gas safety issue. The milestone completion date assumes that (1) a mitigation pump is not required in tank 241-AW-101 to close the USQ, and (2) RL has been formally delegated the authority by 12/30/94 to review the safety analysis reports.

Scope includes evaluating historical documents, process data and technical data (gas composition and concentration, energetics of gas release, chemical reactions, etc.) as it relates to safety issue resolution, performing detailed safety hazard analyses, establishing work controls, and completing the USQ evaluation.

Interim milestones:

- Close SY Farm Flammable Gas USQ (Safety Initiative 2I) - 03/31/95
- Submit changes to authorization basis for tank 241-AW-101 - 06/30/95
- DOE approval of authorization basis to close the USQ for tank 241-AW-101 - 08/31/95

Acceptance Criteria:

Submit changes to the authorization basis (Chapter 6 of "Hanford Site Tank Farm Facilities Interim Safety Basis", WHC-SD-WM-ISB-001 Rev. 0) for tank 241-AW-101.

Negative responses to the four USQ Safety Review questions and eight USQ Safety Evaluation questions for tank 241-AW-101.

Obtain DOE approval of proposed changes to the authorization basis to close the USQ for tank 241-AW-101 in accordance with DOE Order 5480.21 "Unreviewed Safety Questions". This will close the USQ for the 241-AW Farm.

Deliverables:

Submit WHC letter to RL requesting closure of USQ for tank 241-AW-101 - 06/30/95

Receive DOE letter approving request to close USQ for tank 241-AW-101 - 08/31/95

K. O. Fein 9/15/94
G. M. Christensen / K. O. Fein Date

Cost Account Manager

9/19/94
R. F. Christensen Date

A. , Manager

9/21/94
M. A. Payne Date

Program Element Manager

9/22/94
R. F. Christensen Date

DOE Manager (agreement)

R. F. Christensen
DOE Manager (acceptance)

Date

D3-25

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

TITLE: Expedite Design and Construction
of a Backup Portable Exhauster
for Tank 241-SY-101 by December 1994

SCHEDULE ID: N2D440C16
REVISION: 0

ASSIGNED TO: Waste Tank Safety Program
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-95-108

ADS NO: 1110-0-AD
COMPLETION DATE: 12/30/94

MILESTONE CLASS:

☐ TPA
☒ DOE-HQ [SI - 2f]
☐ DOE-RL
☐ Contractor

DELIVERABLE:

☐ Report
☒ Letter
☐ Drawings
☐ Other (Specify)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description and what constitutes completion of this commitment:

Workscope includes issuance of a specification for a modular (portable) exhauster; bid proposal reviews; issuance of a purchase order; design, fabrication, and delivery of an intrinsically safe modular exhauster; installation of the modular exhauster as the new K1 primary exhauster for the 241-SY tank farm; and acceptance testing. Scope also includes any necessary safety documentation, Clean Air Act permits, site preparation, stack monitor equipment, and connection to tank ancillary equipment and remote alarms. This commitment will be complete when the new modular exhauster is installed and has successfully completed the Acceptance Test Procedure (ATP) which ensures correct installation in preparation for operational tests.

Interim milestones:

- Vendor contract award (exhauster). - Completed
- Complete procurement of modular exhauster - 10/07/94
- Complete procurement of stack monitor - 11/08/94
- Install new air monitoring system and exhauster - 12/19/94
- Complete ATP - 12/28/94

Acceptance Criteria

Successful completion of ATP.

Deliverables:

A letter to DOE-RL documenting installation of the modular exhauster and successful completion of the ATP

12/30/94

C. P. Schroeder
C. P. Schroeder / R. W. Reed 9/15/94
Cost Account Manager Date

M. A. Payne
M. A. Payne 9/21/94
Program Element Manager Date

G. D. Johnson
G. D. Johnson 9/15/94
Activity Manager Date

R. F. Christensen
R. F. Christensen 9/22/94
DOE Manager (agreement) Date

DOE Manager (acceptance) Date

D3-26

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

TITLE: Install Gas Monitoring Equipment
in the Remaining Potentially
Flammable Gas Tanks by April 1995

SCHEDULE ID: N2D440M04
REVISION: 0

ASSIGNED TO: Waste Tank Safety Program
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-95-107

ADS NO: 1110-0-AD
COMPLETION DATE: 04/28/95

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☐ TPA	☐ Report	☐ DOE-HQ
☒ DOE-HQ [SI - 2h]	☒ Letter	☒ DOE-RL
☐ DOE-RL	☐ Drawings	☐ Other (Specify)
☐ Contractor	☐ Other (Specify)	

Description and what constitutes completion of this commitment:

Workscope includes design, fabrication, and installation of standard hydrogen monitoring systems (SHMS) on the remaining potentially flammable gas tanks (5 double-shell tanks and 19 single-shell tanks); preparation of all associated field work packages; readiness reviews; and site preparation. Completion of this workscope provides gas monitoring equipment for vapor space monitoring of all flammable gas Watch List tanks. This commitment will be complete when the SHMS's have been installed and have successfully completed the Acceptance Test Procedures (ATP) which ensure correct installation in preparation for operational tests.

Interim milestones:

- Complete installation in the 5 DSTs - 09/30/94
- Complete installation in the 19 SSTs - 04/15/95
- Complete ATPs - 04/26/95

Acceptance Criteria:

Successful completion of ATPs.

Deliverables:

A letter to DOE-RL documenting installation of gas monitoring equipment in all flammable gas Watch List tanks and successful completion of the ATPs.

04/28/95

C. P. Schroeder
C. P. Schroeder / J. B. Witt 9-15-94
Cost Account Manager Date

M. A. Payne
M. A. Payne 9/21/94
Program Element Manager Date

G. D. Johnson
G. D. Johnson 9/19/94
Activity Manager Date

R. F. Christensen
R. F. Christensen 9/22/94
DOE Manager (agreement) Date

DOE Manager (acceptance) Date

D3-27

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

TITLE: Replace Ventilation Fan in SY Farm
to Further Reduce Spark Potential by
August 1995

SCHEDULE ID: N2D440B16
REVISION: 0

ASSIGNED TO: Waste Tank Safety Program
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-95-106

ADS NO: 1110-0-AD
COMPLETION DATE: 08/31/95

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☐ TPA	☐ Report	☐ DOE-HQ
☒ DOE-HQ [SI - 2k]	☒ Letter	☒ DOE-RL
☐ DOE-RL	☐ Drawings	☐ Other (Specify)
☐ Contractor	☐ Other (Specify)	

Description and what constitutes completion of this commitment:

Workscope includes design, fabrication, and delivery of a spark-resistant replacement fan; installation of the new fan in the old K1 exhauster for the 241-SY tank farm; and acceptance testing. Replacement of the existing ventilation fan will further reduce spark potential from the 241-SY-101 and -103 flammable gas tanks. This commitment will be complete when the spark-resistant fan is installed and has successfully completed the Acceptance Test Procedure (ATP) which ensures correct installation in preparation for operational tests.

Note: The Tank 241-SY-101 Mitigation Safety Assessment requires two ventilation systems to be operable at all times. Thus the installation of the spark-resistant fan will not occur until after installation of the new K1 exhauster (see Safety Initiative 2f - Milestone No. T2B-95-108). At this point there will be three operational systems (new K1, old K1, portable P28) and the old K1 exhauster can be taken off line to replace the fan.

Interim milestones:

- Complete procurement of spark-resistant fan - 09/30/94
- Complete installation of new exhauster (SI 2f) - 12/30/94
- Complete installation of new fan in the SY Tank Farm - 03/31/95
- Complete ATP - 04/28/95

Acceptance Criteria:

Successful completion of the ATP.

Deliverables:

Letter to RL documenting installation of spark-resistant fan
in the 241-SY Tank Farm and successful completion of ATP. 08/31/95

C. P. Schroeder *R. W. Reed*
C. P. Schroeder / R. W. Reed 9/15/94
Cost Account Manager Date

M. A. Payne
M. A. Payne 9/21/94
Program Element Manager Date

G. D. Johnson *G. D. Johnson* 9/19/94
G. D. Johnson Date
Activity Manager

R. F. Christensen 9/22/94
R. F. Christensen Date
DOE Manager (agreement)

DOE Manager (acceptance) Date

D3-28

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Removal of Floating Organic Layer from Tank
241-C-103

Schedule ID: N2E57

Revision: 0

Assigned to: Waste Tank Safety Program

WBS Designator: 1.1.1.2.02.05

ADS No.: 1110-O-AE

Milestone Control No.: T2B-95-101

Completion Date: 06/30/95

Milestone Class:

[X] TPA M-40-04
[] DOE-HQ
[] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Complete removal of the floating organic layer from tank 241-C-103. Removal of the organic layer will resolve the safety issue for this tank. It is anticipated that the removal of this floating layer will also resolve the noxious vapor issue for the C Farm provided characterization of other C Farm Tanks do not identify other potential sources of noxious vapors. This action will also relieve restrictions on worker access to the C Farm, if there are no constituents of the remaining waste that result in restrictions.

Acceptance Criteria:

Presence of documentation that confirms that the floating organic layer has been removed and the residual organic film is equal to or less than 2mm in depth.

Deliverables:

DOE-RL transmittal of notice of completion to the Department of Ecology and EPA.

- Complete removal of the organic layer in tank 241-C-103 by 06/31/95.

D. A. Turner 9-19-94
Date

D. A. Turner

Cost Account Manager

D. A. Turner 9-19-94
Date

D. A. Turner

Activity Manager

R. F. Christensen _____
Date

R. F. Christensen

DOE Manager (acceptance)

M. A. Payne 9/20/94
Date

M. A. Payne

Program Element Manager

R. F. Christensen 9/22/94
Date

R. F. Christensen

DOE Manager (agreement)

NOTE:

This Milestone Description Sheet was written to document the original intent of both Safety Initiative 2u, and TPA Milestone M-40-04. This Milestone Description Sheet will be revised to reflect the decision documented in milestone T2B-95-117 to interim stabilize tank 241-C-103 with the floating organic layer in place or to proceed with removal of the floating organic layer by 5/16/95. Following this decision, a formal change request will be processed to document a revised workscope and the associated completion date of this milestone.

D3-29

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Installation of New Thermocouple Trees and Connect to
TMACS in All Organic Tanks *BY MARCH 1995*

Schedule ID: N2E540B

Revision: 1

to: Waste Tank Safety Program

VBS Designator: 1.1.1.2.02.05

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-112

Completion Date: 09/30/97

Milestone Class:

[] TPA
[X] DOE-HQ SI-2t
[] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Install new thermocouple (TC) trees and hookup the temperature monitor and control system (TMACS) in the remaining 5 organic tanks. The work is to include procurement of required equipment, material, fabrication, installation, and repair work. This work will follow characterization of these five tanks to confirm required temperature monitoring. Additional characterization work will be completed to allow for installation of thermocouples in the remaining organic tanks in FY97. It is expected that some tanks on the organic Watch List will be removed from the Watch List due to characterization results; therefore, the assumption is made that thermocouples will be installed in five organic tanks in FY96 and 5 in FY97. NOTE: The date of this milestone has changed to reflect delay of TC installation to optimize riser use.

Interim Milestone: Install thermocouples and hook to TMACS in five organic tanks by 9/30/96.

Acceptance Criteria:

Documented results that identify successful installation and operation of new thermocouple trees and connection to the continuous temperature monitoring systems to satisfy the safety concern.

Deliverables:

Transmittal of a letter to DOE-RL documenting installation of the remaining TC trees and hookup of TMACS in organic tanks.

G. T. Dukelow 9/19/94
G. T. Dukelow/D. B. Klos Date

Cost Account Manager

D. A. Turner 9-22-94
D. A. Turner Date

Activity Manager

R. F. Christensen Date

DOE Manager (acceptance)

M. A. Payne 9/20/94
M. A. Payne Date

Program Element Manager

R. F. Christensen 9/22/94
R. F. Christensen Date

DOE Manager (agreement)

D3-30

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Schedule ID:

N2E510U

Revision:

0

Title: Complete USQ Safety Screen/Evaluation for
Tank 241-C-102

Assigned to: SST Safety Analysis

BS Designator: 1.1.1.2.02.05.01

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-124

Completion Date: 06/30/95

Milestone Class:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description and what constitutes completion of this commitment:

Report and waste sample characterization data for tanks that contain Organic Solvents (e.g. 241-C-102) will be compared to conditions assessed in the Safety Analysis Topical Report, "Basis for Safe Operations For Single-Shell Tanks That Contain Organic Solvents," issued March 31, 1995. A determination will be made whether conditions in the tank (e.g. 241-C-102) are bounded by the safety basis. This determination will be documented in USQ Safety Screen/Evaluation format.

Acceptance Criteria:

Receipt of USQ Safety Screen/Evaluation to U.S. Department of Energy, Richland Operations Office via Whose Hanford Company (WHC) external letter one month following finalization of characterization report.

Deliverables:

USQ Safety Screen/Evaluation transmitted via WHC external letter. The USQ Safety Screen Evaluation will address: 1) waste characterization data, 2) comparison to conditions assessed in Safety Analysis Topical Report, 3) conclusions from comparison relative to anticipated near-term tank farm operations, and 4) identification of additional controls required to ensure continued safe interim storage.

DA Turner for JMG 9-19-94

J. M. Grigsby Date

Cost Account Manager

DA Turner 9-19-94

D. A. Turner Date

Activity Manager

N. Date

DOE Manager (acceptance)

M. A. Payne 7/20/94

M. A. Payne Date

Program Element Manager

N/A Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Issue Preliminary Safety Criteria for Organic Watch List Tanks

Schedule ID: N2E510V

Revision: 0

As of: SST Safety Analysis

NBS Designator: 1.1.1.2.02.05.01

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-132

Completion Date: 01/31/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

The purpose of this task is to 1) develop preliminary safety criteria that address organic nitrate/nitrite combustion hazards, and 2) to provide a safety evaluation and analysis of anticipated near-term tank farm operations in single-shell tanks (SSTs) containing organic-nitrate/nitrite waste.

Preliminary safety criteria that address organic nitrate/nitrite combustion hazards will be based on laboratory test data which assess: 1) organic/nitrate/nitrite energetics using selected organic waste surrogates, and 2) the inhibiting effects of waste moisture. Safety criteria will include a factor of safety based on an evaluation of uncertainties. The criteria will provide the basis for the safety evaluation described below.

A safety evaluation will be performed to establish the safety of SST wastes relative to organic-nitrate/nitrite combustion hazards. The evaluation will provide a technical basis for safe operation utilizing the safety criteria described above and based on waste fuel and moisture conditions estimated from studies performed by PNL and FAI. Additional controls will be specified to prevent operations induced changes to the organic waste which could move storage conditions towards the "unsafe" waste classification category. This work will be documented in an Safety Analysis Topical report.

Acceptance Criteria:

Transmittal of publicly cleared Safety Analysis Topical Report to U.S. Department of Energy, Richland Operations Office via Westinghouse Hanford Company external letter by January 31, 1995

Deliverables:

Safety Analysis Topical Report to include: 1) safety criteria based on laboratory organic-nitrate/nitrite energetics testing using selected organic waste surrogates, 2) description of the SST organic-nitrate/nitrite combustion hazard based on waste condition estimates, 3) description of the safety evaluation methodology, 4) conclusions from comparison relative to anticipated near-term tank farm operations, and 5) description of additional controls to ensure continued safe interim storage.

DA Turner for SMG 9-19-94
J. M. Grigsby Date

Cost Account Manager

DA Turner 9-19-94
D. A. Turner Date

Activity Manager

R Christensen Date

DOE Manager (acceptance)

M. A. Payne 9/20/94
M. A. Payne Date

Program Element Manager

R. F. Christensen 9/22/94
R. F. Christensen Date

DOE Manager (agreement)

D3-32

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Update Program Strategy Document -- Waste Tank Organic Safety Program

Schedule ID: N2E520B

Revision: 0

to: Organic Tank Safety

VBS Designator: 1.1.1.2.02.05.02

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-126

Completion Date: 06/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

Update and issue the Waste Tank Organic Safety Program Plan, prepared during FY 1994, as a Waste Tank Organic Safety Program Strategy Document. The Strategy Document is to provide an overview of the program's mission, scope, goals, and priorities with emphasis on highlighting the program's technical strategy for resolving the organic tanks safety issue. The technical strategy should concisely identify the relationships among waste characterization activities, development of safety criteria and supporting program work scope.

Acceptance Criteria:

Transmittal of publicly cleared Waste Tank Organic Safety Program Strategy Document to U.S. Department of Energy, Richland Operations Office via Westinghouse Hanford Company (WHC) external letter by June 30, 1995.

Deliverables:

Waste Tank Organic Safety Program Strategy Document.

D. A. Turner 9-19-94
Date

Cost Account Manager

D. A. Turner 9-19-94
Date

D. A. Turner
Activity Manager

N/A Date

Manager (acceptance)

M. A. Payne 9/20/94
Date

Program Element Manager

N/A Date

DOE Manager (agreement)

D3-33

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Revise Organic Tanks Watch List -- Based on Preliminary Safety Criteria

Schedule ID: N2E520C

Revision: 0

Subject: SST Safety Analysis

WBS Designator: 1.1.1.2.02.05.02

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-127

Completion Date: 02/28/95

Milestone Class:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

Deliverable:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other (Specify):

Addressed to:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify):

Description and what constitutes completion of this commitment:

The objective of this task is to develop a revised organic tanks Watch List by comparing preliminary safety criteria for the organic-nitrate/nitrite combustion hazard with waste characterization data for the 149 single-shell tanks (SSTs). The preliminary safety criteria will be documented in a Safety Analysis Topical Report, "Basis for Safe Operations Relative to SST Organic Nitrate/Nitrite Waste," to be issued by January 31, 1995. The waste characterization data, based largely on historical information, will be documented in a PNL report, "Total Organic Carbon and Waste Moisture Contents For 149 Hanford Site SSTs," to be issued by November 30, 1994.

Acceptance Criteria:

Transmittal of Westinghouse Hanford Company external letter identifying the revised organic tanks Watch List to U.S. Department of Energy, Richland Operations Office by February 28, 1995.

Deliverables:

External letter identifying the revised Organic tanks Watch List.

DA Turner for JMA 9-19-94

J. M. Grigsby Date

Cost Account Manager

DA Turner 9-19-94

D. A. Turner Date

Activity Manager

N/A Date

DOE Manager (acceptance)

M. A. Payne 9/20/94

M. A. Payne Date

Program Element Manager

N/A Date

DOE Manager (agreement)

D3-34

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Removal of Floating Organic Layer from Tank 241-C-103

Schedule ID: N2E520A

Revision: 1

Subject: Organic Tank Safety

BS Designator: 1.1.1.2.02.05.03

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-110

Completion Date: 03/31/95

Milestone Class:

[] TPA
[X] DOE-HQ SI-2u
[] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

Complete removal of the floating organic layer from tank 241-C-103. Removal of the organic layer will resolve the safety issue for this tank. It is anticipated that the removal of this floating layer will also resolve the noxious vapor issue for the C Farm provided characterization of other C Farm Tanks do not identify other potential sources of noxious vapors. This action will also relieve restrictions on worker access to the C Farm, if there are no constituents of the remaining waste that result in restrictions.

Acceptance Criteria:

Issuance of documentation that confirms that the floating organic layer has been removed and the residual organic film is equal to or less than 2mm in depth.

Other:

Complete removal of the organic layer in tank 241-C-103 by 3/31/95

D. A. Turner 9-19-94

D. A. Turner Date

Cost Account Manager

D. A. Turner 9-19-94

D. A. Turner Date

Activity Manager

R. F. Christensen Date

DOE Manager (acceptance)

M. A. Payne 9/20/94

M. A. Payne Date

Program Element Manager

R. F. Christensen 9/22/94

R. F. Christensen Date

DOE Manager (agreement)

NOTE:

This Milestone Description Sheet was written to document the original intent of both Safety Initiative 2u, and TPA Milestone M-40-04. This Milestone Description Sheet will be revised to reflect the decision documented in milestone T2B-95-117 to interim stabilize tank 241-C-103 with the floating organic layer in place or to proceed with removal of the floating organic layer by 5/16/95. Following this decision, a formal change request will be processed to document a revised workscope and the associated completion date of this milestone.

D3-35

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Reach Decision to Interim Stabilize Tank 241-C-103 With Floating Organic Layer in Place or Proceed With Removal of Floating Organic Layer

Schedule ID: N2E520A

Revision: 1

Ass. J to: Organic Tank Safety

VBS Designator: 1.1.1.2.02.05.03

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-117

Completion Date: 05/16/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

As an alternative to direct removal of the floating organic layer, a study will be completed to confirm the technical feasibility of interim stabilizing tanks 241-C-103 with the floating organic layer in place. Based on this study, a decision would then be made regarding the path forward -- either interim stabilizing tank 241-C-103 with the organic layer in place, or proceeding with organic layer removal as currently planned. [Supports TPA Milestone M-40-04]

Acceptance Criteria:

Completion of engineering study with recommendation to interim stabilize or pump C-103 floating organic layer. Submittal of recommendation with engineering study to DOE-RL.

Deliverables:

Complete engineering study report with letter of recommendation to DOE-RL as to whether it is feasible to interim stabilize C-103 with the floating organic layer in place or whether it is necessary to proceed with removal of floating organic layer.

- Complete SAIC engineering study that provides a technical basis for a safety analysis by TWRS Safety Analysis and Engineering for disposing tank C-103 liquid organic to the DST/242-A Evaporator system by 12/30/94.
- Complete PNL final waste analysis report on tank C-103 and C-102 samples by 3/15/95.
- TWRS Safety Analysis and Engineering completion of a final safety analysis by 4/30/95.

D. A. Turner

9-20-94

D. A. Turner

Date

Cost Account Manager

D. A. Turner

9-20-94

D. A. Turner

Date

Activity Manager

N/A

Date

DOE Manager (acceptance)

M. A. Payne

9/20/94

M. A. Payne

Date

Program Element Manager

N/A

Date

DOE Manager (agreement)

D3-36

WHC-SP-1101

Completion Date: 03/31/95

[] Other
(Specify):

D3-37

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Select Waste Moisture Monitoring/Control Concepts for Organic Watch List Tanks

Schedule ID: N2E560A

Revision: 0

.s. to: Organic Tank Safety Program

BS Designator: 1.1.1.2.02.05.06

ADS No.: 1110-0-AE

Milestone Control No.: T2B-95-130

Completion Date: 06/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

A key element in safety criteria of both the Ferrocyanide Safety Program and the Waste Tank Organic Safety Program is waste moisture content. A sufficiently high waste moisture content effectively precludes the possibility of propagating exothermal reactions between ferrocyanide-nitrate/nitrite and organic-nitrate/nitrite. A full-scale engineering demonstration (Moisture Monitoring/Control Demonstration Hanford Single-Shell (SSTs) Waste Tanks) is planned to demonstrate existing technology for 1) monitoring the moisture content of SST waste and 2) controlling the moisture content of SST waste with relatively low moisture contents. An engineering study will be completed during FY 1995 as the first step toward the full-scale engineering demonstration which will be conducted in the FY 1997-1999 time frame.

This task will select preferred SST waste moisture monitoring and control concepts from the technically viable candidates identified in the engineering study. The selection process will include:

- Development of selection criteria which address safety requirements, regulatory requirements and cost.
- Assessment of the technically viable moisture monitoring and control concepts relative to the selection criteria.
- Identification of a preferred SST waste moisture monitoring concept and waste moisture control concept.

Acceptance Criteria:

Transmittal of Westinghouse Hanford Company external letter identifying preferred SST waste moisture monitoring/control concepts to U.S. Department of Energy, Richland Operations Office by June 30, 1995.

Deliverables:

WHC external letter identifying preferred SST waste moisture monitoring/control concepts for Moisture Monitoring/Control Demonstration Hanford Single-Shell Waste Tanks.

D. A. Turner 9-19-94
Date

Cost Account Manager

D. A. Turner 9-19-94
Date

D. A. Turner

Activity Manager

R. F. Christensen Date

Manager (acceptance)

M. A. Payne 9/20/94
Date

Program Element Manager

R. F. Christensen 9/22/94
Date

R. F. Christensen

DOE Manager (agreement)

D3-38

WHC TWRS Milestone Description Sheet

Page 1 of 1

Title: Complete Tank 241-C-106 Temperature Transient
Summary Report

Schedule ID: N2F610A01

Revision: 0

Assigned to: High-Heat Tank Safety

WBS Designator: 1.1.1.2.02.06.01

ADS No.: 1110-0-AF

Milestone Control No.: T2B-95-381

Completion Date: 11/30/94

Milestone Class:

Deliverable:

Addressed to:

☐ TPA	☒ REPORT	☐ DOE-HQ
☐ DOE-HQ	☒ LETTER	☒ DOE-RL
☐ DOE-RL	☐ DRAWINGS	☐ Other
☒ CONTRACTOR	☐ Other (Specify):	(Specify):

Description and what constitutes completion of this commitment:

As a result of the liquid-reduction process test for tank 241-C-106, the temperature readings in the Riser 14 thermocouple (TC) tree have been unexpectedly increasing and fluctuating since 6/17/94, while temperature readings in the Riser 8 TC tree have been steady. After 9/1/94, temperature readings from Riser 14 appear to be normal (below 140 deg-F). The transient anomalies are being evaluated by WHC and PNL staff along with national thermal-hydraulic experts (Fonsky and NAI). The recovery activities (initiated in FY 1994) include thermal analysis, additional field measurement and verification, historical data search, safety evaluation, etc. The commitment by WHC and RL is to understand what has transpired, and insure there is no undue risk to workers and the public.

Acceptance Criteria:

Complete "An Assessment of the Evaporation Rate in Tank 241-C-106" and issue as a letter report to RL.

Complete "Tank 241-C-106 1994 Temperature Transient Summary Report" and issue to RL.

Deliverables:

Issue letter report to RL, "An Assessment of the Evaporation Rate in Tank 241-C-106" - 11/15/94

Issue summary report to RL, "Tank 241-C-106 1994 Temperature Transient Summary Report" - 11/30/94

O. S. Wang

Cost Account Manager

O. S. Wang

Activity Manager

Date

Date

M. A. Payne

Program Element Manager

N/A

DOE Manager (agreement)

Date

Date

DOE Manager (acceptance)

Date

D3-39

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Update Program Plan for High-Heat Tank Safety Program Schedule ID: N2F610A11
 Revision: 0
 Assigned to: High-Heat ~~Program~~ ^{Program} ~~Issue Resolution~~ ^{TANK SAFETY} ~~Plan~~ ^{Plan}
 NBS Designator: 1.1.1.2.02.06.01 ADS No.: 1110-0-AF
 Milestone Control No.: T2B-95-146 Completion Date: 12/30/94

Milestone Class:	Deliverable:	Addressed to:
☐ TPA	☒ REPORT	☐ DOE-HQ
☐ DOE-HQ	☐ LETTER	☒ DOE-RL
☐ DOE-RL	☐ DRAWINGS	☐ Other
☒ CONTRACTOR	☐ Other (Specify):	(Specify):

Description and what constitutes completion of this commitment:

The "High-Heat Tank Safety Issue Resolution Program Plan", WHC-EP-0532, Rev. 1 was issued in December 1993. The purpose of the plan was to provide a guide for identifying and selecting corrective actions that will mitigate and/or remediate the high-heat waste tank safety issue for single-shell tank 241-C-106. The plan also outlines the logic for selecting approaches to mitigate and resolve the high-heat safety issue, and the steps necessary to complete the identified tasks.

This milestone involves updating the program plan based on results of work conducted in FY 1994 (such as in-tank video, safety alternative process test, and thermal analysis). The updated plan will be distributed for review, comments incorporated, and a revised document issued.

Acceptance Criteria:

Update WHC-EP-0532.
 Distribute for review and incorporate comments.
 Issue a cleared Program Plan revision.

Deliverables:

WHC transmit Program Plan revision, approved for Public Release, to RL - 12/30/94

9/20/94
O. S. Wang	Date
Cost Account Manager
9/20/94
O. S. Wang	Date
Activity Manager	
_____	Date

DOE Manager (acceptance)

9/21/94
M. A. Payne	Date
Program Element Manager	
N/A	Date
DOE Manager (agreement)	

D3-40

Page 1 of 1

D3-41

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Page 1 of 1

Title: Complete Alternative Contingency System Designs for High-Heat Tank 241-C-106

Schedule ID: N2F610A14.

Revision: 0

Assigned to: High-Heat ~~Program~~ ^{TANK SAFETY} ~~Must Safety Data~~

WBS Designator: 1.1.1.2.02.06.01

ADS No.: 1110-O-AF

Milestone Control No.: T2B-95-148

Completion Date: 05/31/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

A safety alternative process test was conducted in tank 241-C-106 in FY 1994 to reduce the liquid inventory and establish a new, lower liquid level. In FY 1997, the waste contents will be retrieved and transferred to a double-shell tank to resolve the high-heat safety issue. If the tank begins to leak prior to retrieval activities, a contingency plan will be implemented to cool the tank without the addition of further cooling water.

This milestone involves completing a functional design for contingency application in high-heat tank 241-C-106. An air chiller system would be used to maintain the dome space temperature within the operating specifications. A sprinkler system, if required, would keep the waste from drying out (moist waste facilitates retrieval) without adding drainable liquid (which would add to the environmental impact).

Prepare and issue a functional design report for contingency application.

Acceptance Criteria:

Complete functional design for contingency application in tank 241-C-106.
Issue functional design report.

Deliverables:

WHC transmit functional design report to RL - 05/31/95

9/20/94
O. S. Wang / W. W. Jenkins Date

Cost Account Manager

9/20/94
O. S. Wang Date

Activity Manager

R. G. Harwood Date

Manager (acceptance)

9/21/94
M. A. Payne Date

Program Element Manager

9/22/94
R. F. Christensen Date

DOE Manager (agreement)

D3-42

WHC TWRS Milestone Description Sheet Page 1 of 1

WHC-SP-1101

TITLE: Complete Contingency Cooling Tests
in High-Heat Tank 241-C-106 by
June 1995

SCHEDULE ID: N2F610A24
REVISION: 0

ASSIGNED TO: Waste Tank Safety Program
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-95-104

ADS NO: 1110-0-AF
COMPLETION DATE: 06/30/95

MILESTONE CLASS:

☐ TPA
☒ DOE-HQ [SI - 2x]
☐ DOE-RL
☐ Contractor

DELIVERABLE:

☒ Report
☒ Letter
☐ Drawings
☐ Other (Specify)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description and what constitutes completion of this commitment:

The first phase of a process test was conducted in high-heat tank 241-C-106 in FY 1994. Phase 1 was designed to reduce supernatant inventory. Water additions were ceased, and the liquid layer was lowered from evaporation. Phase 1 ended when the liquid level dropped to just slightly above the waste surface. Water was subsequently added to establish a new, lower liquid level. Completion of this test will provide the information necessary to develop a new safe operating envelope for tank 241-C-106. Results of the process test will be documented in a letter report to be prepared in FY 1995.

Retrieval of the waste contents of tank 241-C-106 will begin in December 1996. Designs for system upgrades to cool the tank without further addition of cooling water will be completed in FY 1995 (reference Milestone No. T2B-95-148) as a contingency plan in case the tank begins to leak prior to retrieval. Phase 2, a continuation of the process test designed to reduce interstitial liquid, will not be implemented in order to accommodate pre-retrieval activities; however, it will also be reserved as a contingency plan should a tank leak develop.

Interim Milestones:

- Complete phase 1 of the process test - 09/30/94
- Complete alternative contingency system designs - 05/31/95
- Complete letter report on process test results - 06/30/95

Acceptance Criteria:

Complete process test and letter report for tank 241-C-106.

Deliverables:

Transmit a letter report to RL documenting completion of contingency cooling tests in high-heat tank 241-C-106.

06/30/95

O. S. Wang *[Signature]* 9-21-94
Cost Account Manager Date

M. A. Payne *[Signature]* 9/21/94
Program Element Manager Date

O. S. Wang *[Signature]* 9-21-94
Activity Manager Date

R. F. Christensen *[Signature]* 9/22/94
DOE Manager (agreement) Date

DOE Manager (acceptance) Date

D3-43

WHC TWRS Milestone Description Sheet

Page 1 of 1

TITLE: Complete Safety Alternative Test
in High-Heat Tank 241-C-106

WHC-SP-1101

SCHEDULE ID: N2F610A31
REVISION: 0

ASSIGNED TO: Waste Tank Safety
WBS DESIGNATOR: 1.1.1.2.02
MILESTONE CONTROL NO: T2B-95-102

ADS NO: 1110-0-AF
COMPLETION DATE: 09/29/95

MILESTONE CLASS:

[X] TPA [M-40-05]
[] DOE-HQ
[] DOE-RL
[] WHC Key

DELIVERABLE:

[X] Report
[] Letter
[] Drawings
[] Other (Specify)

ADDRESSED TO:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify)

Description and what constitutes completion of this commitment:

Conduct a safety alternative test (stop addition of cooling water) in high-heat tank 241-C-106 to reduce and establish the cooling liquid at a minimum level. Prior to initiating the test, the Food Instrument Corporation (FIC) surface level gauge and the thermocouples will be repaired and connected to the Tank Monitor and Control System (TMACS), and safety documentation and procedures will be prepared. The proposed safety alternative test may have to be adjusted to accommodate upcoming activities during Fiscal Year 1994-1995 in preparation for the scheduled December 1996 retrieval of tank 241-C-106. The effect of the retrieval activities will be reviewed and assessed in September 1994. A recommendation will be formulated for the minimum liquid level and amount of water additions needed. A report will be prepared, cleared for public release, and transmitted to RL for subsequent issuance to the Washington Department of Ecology and Environmental Protection Agency (EPA). Completion of this test will provide the information necessary to develop a new safe operating envelope for tank 241-C-106.

Acceptance Criteria:

Documented results that achieve a minimum liquid level for cooling (approximately 1"-2" of free liquid) in Tank 241-C-106 to maintain temperature below operating limits while minimizing potential environmental impacts from a tank leak.

Deliverables:

- 1) Cleared report (approved for public release) on the minimum liquid level and amount of water additions recommended for high-heat tank 241-C-106, as determined by a safety alternative test, transmitted to DOE-RL. 08/31/95
- 2) RL transmittal of WHC Report to Ecology and EPA. 09/29/95

O. S. Wang *[Signature]* 9/20/94
Cost Account Manager: Date:

O. S. Wang *[Signature]* 9/20/94
Activity Manager: Date:

M. A. Payne *[Signature]* 9/21/94
Program Element Manager: Date:

R. F. Christensen *[Signature]* 9/22/94
DOE Manager (agreement): Date:

DOE Manager (acceptance): Date:

D3-44

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Identify Applicable "Authorization Basis Documents" and Perform Discovery USQ Screening for MUSTs
 Schedule ID: N2G710A11
 Revision: 0
 Assigned to: ~~High Heat & MUST Safety Program~~ *Y.H.*
 WBS Designator: 1.1.1.2.02.07.01
 ADS No.: 1110-0-AG
 Milestone Control No.: T2B-95-149
 Completion Date: 12/30/94

Milestone Class:	Deliverable:	Addressed to:
☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DOE-HQ	☒ LETTER	☒ DOE-RL
☐ DOE-RL	☐ DRAWINGS	☐ Other
☒ CONTRACTOR	☐ Other (Specify):	

Description and what constitutes completion of this commitment:

"Waste Tanks Administration", WHC-IP-0842, Section 15.9, Rev. 3, Appendix G, identifies the following documents as the current Authorization Basis for the listed facilities:

- (1) 242-A Evaporator: WHC-SD-WM-SAR-023, Rev. 1.
- (2) LERF: WHC-SD-W105-SAR-01, Rev. 0-B.
- (3) Waste Tanks: "Hanford Site Tank Farm Facilities Interim Safety Basis", WHC-SD-WM-ISB-001, Rev. 1

In task 1, these documents and any other safety basis documents identified by cognizant plant and safety personnel will be reviewed for applicability to the Miscellaneous Underground Storage Tanks (MUST). It is probable that some of the MUSTs may be already included in one or more of these documents.

Task 2 involves performing a Discovery USQ Screening related to the potential safety issues associated with the MUSTs. Document WHC-IP-0842 will be applied to the MUSTs in order to determine if the MUST "occurrence" is indeed a USQ "discovery". This process involves answering the three questions shown in Figure B-2 of WHC-IP-0842, Appendix B. MRP 5.12 (WHC-CM-1-3) will also be consulted as needed.

A letter documenting the results of both tasks will be prepared and issued.

Acceptance Criteria:

Identify Authorization Basis documents applicable to any of the MUSTs.
 Perform Discovery USQ Screening; answer three questions in WHC-IP-0842, Figure B-2, Appendix B.
 Prepare and issue letter on results.

Deliverables:

WHC issue letter to RL - 12/30/94

[Signature] *[Signature]* 9/20/94
 O. S. Wang / G. L. Smith Date
 Cost Account Manager
[Signature] 9/20/94
 O. S. Wang Date
 Activity Manager
 N/A Date
 DOE Manager (acceptance)

[Signature] 9/21/94
 M. A. Payne Date
 Program Element Manager
 N/A Date
 DOE Manager (agreement)

D3-45

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Perform Additional Preliminary Hazard Analysis for MUSTs and USQ Evaluation, if required Schedule ID: N2G710A22

Revision: 0

Assigned to: ~~High Heat & MUST Safety~~ *[Signature]*

WBS Designator: 1.1.1.2.02.07.01

ADS No.: 1110-0-AG

Milestone Control No.: T2B-95-150

Completion Date: 06/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

Perform a safety evaluation to answer the eight questions in "Waste Tanks Administration", WHC-IP-0842, Rev. 3, Figure B-3, Appendix B. The safety evaluation for the Miscellaneous Underground Storage Tanks (MUST) could be a Preliminary Hazard Analysis (PHA). The results of the PHA will be compared to appropriate safety analyses for similar, "bounding" facilities. The results of these comparisons will be used to evaluate potential accidents in the MUST and their potential risks.

Complete a USQ Evaluation if it is required. If any of the eight questions in Figure B-3, Appendix B of WHC-IP-0842, Rev. 3, is not answered satisfactorily, even after the safety evaluation is performed, then additional safety analyses must be undertaken to close this process.

A letter report will be prepared and issued documenting the safety evaluation and USQ evaluation.

Acceptance Criteria:

Perform safety evaluation (PHA).
Answer eight questions in WHC-IP-0842, Rev. 3, Figure B-3, Appendix B.
Conduct additional safety analyses/complete USQ evaluation, if required.
Prepare and issue letter report on results.

Deliverables:

WHC issue letter report to RL - 06/30/95

[Signature] *[Signature]* 9/20/94
O. S. Wang / G. L. Smith Date

[Signature] 9/20/94
O. S. Wang Date

Activity Manager

[Signature] 9/21/94
M. A. Payne Date

Program Element Manager

N/A

Date

DOE Manager (agreement)

N/A Date

Manager (acceptance)

D3-46

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Verify a Large Empty MUST Using State-of-the-Art Method

Schedule ID: N2G710E21

Revision: 0

Assigned to: ~~High Heat & MUST Safety~~ *[Signature]*

WBS Designator: 1.1.1.2.02.07.01

ADS No.: 1110-0-AG

Milestone Control No.: T2B-95-151

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

All fifty of the Miscellaneous Underground Storage Tanks (MUST) need to be checked to verify (1) whether the tanks are empty, (2) whether the tanks are leaking, and (3) how much waste is in the tanks. There are approximately ten MUSTs that are believed to be empty. If a tank is verified as empty, it will be considered ready for environmental restoration and closure. A set of criteria for determining what is "empty" will be developed and agreed upon by all stakeholders, including TWRS and ER, as soon as practicable.

Completion of this milestone involves: (1) participation in development of "empty" criteria, (2) selection of a large tank (30,000 to 50,000 gallons capacity) believed to be empty, (3) utilization of state-of-the-art in-tank video camera commitment (or a non-invasive technique) to verify how much waste is in the tank, and (4) documentation of the results. If a tank meets the "empty" criteria, ER will be notified. A letter will be issued describing the methodology used to verify an empty MUST, and the results. The intent of this milestone commitment is to gain access to an inactive MUST, and to deploy a state-of-the-art technique to verify how much waste is in the tank. The tank does not have to be "empty" to complete the milestone.

Acceptance Criteria:

Develop "empty" criteria agreed upon by TWRS and ER.
Select a large MUST (30,000 to 50,000 gallons capacity) that is believed to be empty.
Deploy a state-of-the-art method (in-tank video, non-invasive technique, etc.) to verify how much waste is in the tank.
Issue letter documenting methodology used to verify an "empty" tank and the results (note: the tank does not have to meet the "empty" criteria to complete the milestone commitment).

Deliverables:

WHC issue letter to RL - 09/29/95

[Signature] *[Signature]* 9/20/94
O. S. Wang / D. B. Smet Date

Cost Account Manager

[Signature] 9/20/94
O. S. Wang Date
ty Manager

[Signature] 9/21/94
M. A. Payne Date
Program Element Manager

N/A Date
DOE Manager (agreement)

N/A Date
DOE Manager (acceptance)

D3-47

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Verify Liquid Level for a Representative MUST Using State-of-the-Art Method

Schedule ID: N2G710E22

Revision: 0

Assigned to: High Heat & MUST Safety *JS*

WBS Designator: 1.1.1.2.02.07.01

ADS No.: 1110-0-AG

Milestone Control No.: T2B-95-152

Completion Date: 09/29/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

All fifty of the Miscellaneous Underground Storage Tanks (MUST) need to be checked to verify (1) whether the tanks are empty, (2) whether the tanks are leaking, and (3) how much waste is in the tanks.

Completion of this milestone involves: (1) selection of a representative MUST believed to have free standing and/or interstitial liquid in it, (2) utilization of state-of-the-art equipment (such as in-tank video camera or a non-invasive technique, etc.) to verify the liquid level, and (3) documenting the results. A letter will be issued describing the methodology used to verify the liquid level, and the results. The intent of this milestone commitment is to gain access to an inactive MUST, and to deploy a state-of-the-art technique to verify liquid level in the tank. The tank does not have to have measurable liquid in it to complete the milestone.

Acceptance Criteria:

Select a representative MUST that is believed to have free standing or interstitial liquid. Deploy a state-of-the-art method (in-tank video, non-invasive technique, etc.) to verify the liquid level. Issue letter documenting methodology used to verify liquid level and the results (note: the tank does not need to have measurable liquid in it to complete the milestone commitment).

Deliverables:

WHC issue letter to RL - 09/29/95

O.S. Wang / D.B. Smet 9/20/94
O. S. Wang / D. B. Smet Date

O.S. Wang 9/20/94
O. S. Wang Date

Activity Manager
Date

DL Manager (acceptance)

M.A. Payne 9/21/94
M. A. Payne Date

Program Element Manager
N/A Date
DOE Manager (agreement)

D3-48

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Perform a Safety Screening Characterization and a Vapor Sample Analysis for One Large MUST
 Schedule ID: N2G710C21
 Revision: 0
 Assigned to: ~~High Heat & MUST Safety~~ *[Signature]*
 WBS Designator: 1.1.1.2.02.07.01
 ADS No.: 1110-0-AG
 Milestone Control No.: T2B-95-153
 Completion Date: 09/29/95

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[] REPORT	[] DOE-HQ
[] DOE-HQ	[X] LETTER	[X] DOE-RL
[] DOE-RL	[] DRAWINGS	[] Other (Specify):
[X] CONTRACTOR	[] Other (Specify):	

Description and what constitutes completion of this commitment:

All Miscellaneous Underground Storage Tanks (MUST), except the confirmed empty tanks, will have the contents characterized according to a screening characterization procedure. Following analyses of the waste, a judgement will be made as to whether a real safety issue exists or not. All of the MUSTs will be prioritized for characterization. The tanks that will be characterized first are the ones ranked high according to potential safety issue concerns; then the remaining tanks that have the most total waste. The assumed empty MUSTs will be verified first, and characterization may not be needed.

The safety screening module is described in "Tank Safety Screening Data Quality Objectives", WHC-SD-WM-DQO-012. This module addresses decision rules used to classify a tank as "safe" or "not safe", decision variables used for safety classification, and the number and type of samples required for safety screening. Use of this module will help classify MUSTs into specific categories for safety issues dealing with the presence of ferrocyanide, organics, and flammable gases, as well as criticality.

Vapor sampling is described in "Data Quality Objectives for Generic In-Tank Health and Safety Vapor Issue Resolution", WHC-SD-WM-DQO-002 and will be performed according to ongoing industrial hygiene programs and procedures to determine whether noxious vapors are a safety issue or not.

Completion of this milestone involves: (1) selection of a large MUST, (2) vapor sampling and analysis, (3) safety screening sampling and characterization, and (4) preparation and issuance of a brief analytical data report.

Acceptance Criteria:

Select a MUST ranked high according to potential safety issue concerns.
 Obtain and analyze vapor sample according to WHC-SD-WM-DQO-002.
 Obtain and characterize safety screening sample according to WHC-SD-WM-DQO-012.
 Prepare brief analytical data report; issue as a letter report.

Deliverables:

WHC issue letter report to RL - 09/29/95

[Signature] *[Signature]* 9/20/94.
 O. S. Wang / W. R. Zuroff / R. D. Mahon Date
 Cost Account Manager R. A. Meznarich
[Signature] 9/21/94
 O. S. Wang Date
 Manager

[Signature] 9/21/94
 M. A. Payne Date
 Program Element Manager
 N/A Date
 DOE Manager (agreement)

N/A Date
 DOE Manager (acceptance)

D3-49

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Commence Operation of a Vapor Treatment System in Tank 241-C-103

Schedule ID: N2H820D

Revision: 0

Waste Tank Safety Program

VBS Designator: 1.1.1.2.02.08

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-103

Completion Date: 06/30/95

Milestone Class:

[X] TPA M-40-07

[] DOE-HQ

[] DOE-RL

[] CONTRACTOR

Deliverable:

[X] REPORT

[X] LETTER

[] DRAWINGS

[] Other (Specify):

Addressed to:

[] DOE-HQ

[X] DOE-RL

[] Other (Specify):

Description and what constitutes completion of this commitment:

Provide a report documenting vapor treatment system operational test procedure results and commence permitted operation of a vapor treatment system for tank 241-C-103, unless otherwise agreed to by the Parties following submittal of the Engineering Evaluation of Alternatives (EEA) for Treatment of Tank 241-C-103 Vapor Space. The EEA will document the need and options for treatment of potentially hazardous/toxic vapors being discharged from the tank 241-C-103 vapor space. All pertinent characterization data will be considered including: meteorological, area, source, personal monitoring, aqueous/organic layer analysis, vapor characterization, estimates of the vapor characterization after removal of the organic layer, and the schedule for this removal. Once selected, design, procurement, and permitting will be initiated.

Operation of this vapor treatment system is anticipated to provide relief from worker restrictions at tank 241-C-103 in regard to noxious vapor emissions (provided characterization of other C Farm tanks does not identify other potential sources of noxious vapors).

Acceptance Criteria:

Documented results that identify successful installation and operation of the 241-C-103 vapor treatment system.

Deliverables:

RL transmittal of letter of operational commencement to Ecology and EPA.

- Transmit letter announcing commencement of operation of treatment system for tank 241-C-103 to DOE-RL by 6/25/95.

J. W. Osborne
Date 9/19/94

Cost Account Manager

J. W. Osborne
Date 9/19/94
Activity Manager

R. F. Christensen
Date
DOE Manager (acceptance)

M. A. Payne
Date 9/20/94

Program Element Manager

R. F. Christensen
Date 9/22/94
DOE Manager (agreement)

D3-50

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Sample and Characterize Remaining Suspect Tanks (Group A) by June 1995. Alter Personnel Exposure and Protective Equipment Requirements as Necessary
 Schedule ID: N2H810A
 Revision: 1
 Assigned to: Waste Tank Safety Program
 WBS Designator: 1.1.1.2.02.08
 ADS No.: 1110-0-AH
 Milestone Control No.: T2B-95-111
 Completion Date: 06/30/95

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[X] REPORT	[] DOE-HQ
[X] DOE-HQ <u>SI-20</u>	[X] LETTER	[X] DOE-RL
[] DOE-RL	[] DRAWINGS	[] Other (Specify):
[] CONTRACTOR	[] Other (Specify):	

Description and what constitutes completion of this commitment:

Representative vapor samples from Group A tanks (8 Organic and 13 Ferrocyanide Watch List tanks) will be collected and analyzed under the auspices of the TWRS Characterization group. WHC Field Analytical Services (FAS) will collect vapor samples and issue a report on sampling parameters. PNL and ORNL will analyze samples and report results. These analytical results will be summarized via a Tank Characterization report (TCR) for each suspect tank. The order and priority for suspect tank sampling shall be determined by the Tank Vapor Program Manager as dictated by the need to resolve health and safety issues as necessary. The PNL Toxicology Review Panel (TRP) shall review the TCR and report analytes of toxicological interest to the WHC industrial hygiene group. Any recommendations for alterations to PPE and/or respiratory protection policy are the responsibility of WHC/ESQ/WTSS. TWRS/OPS shall implement corrective actions. The remaining Group B tanks (10 new Organic Watch List Tanks) will be sampled and analyzed by 10/31/95.

Acceptance Criteria:

- Validation of the data compliance to the Generic In-Tank Data Quality Objectives (WHC-SD-WM-DQO-002) by the Vapor Conference Committee.
- Successful QA audits by the participating analytical laboratories and compliance with Hanford Analytical Services Quality Assurance Plan (HASQAP).
- Preliminary letter report on sampling (FAS) and analysis (PNL and ORNL) to Vapor Program Manager providing all qualitative and quantitative analytical results three weeks after receipt.
- A preliminary analytical letter report from PNL and ORNL will be delivered to the Vapor Program Manager providing all qualitative and quantitative analytical results five weeks after receipt.

Deliverables:

A letter to DOE-RL transmitting:

- A report documenting sampling and characterization results of remaining suspect tanks (Group A)
- Alterations to personal protective equipment, if required

 J. W. Osborne
 Date: 9/19/94
 Cost Account Manager

 J. W. Osborne
 Date: 9/19/94
 Activity Manager

 M. A. Payne
 Date: 9/20/94
 Program Element Manager

 R. F. Christensen
 Date: 9/22/94
 DOE Manager (agreement)

R. F. Christensen
 Date:
 Manager (acceptance)

D3-51

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Vapor Headspace Characterization of all
Ferrocyanide Watch List Tanks

Schedule ID: N2H810A

Revision: 1

SS to: Waste Tank Safety Program

WBS Designator: 1.1.1.2.02.08

ADS No.: 1110-0-AH

Milestone Control No.: T2B-96-100

Completion Date: 11/30/95

Milestone Class:

[X] TPA M-40-03
[] DOE-HQ
[] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

WHC/WTSP Tank Vapor Program Manager will consolidate analytical laboratory reports from PNL and ORNL into a summary characterization report for each ferrocyanide tanks. At the completion of all tanks in this Watch List category, the Tank Vapor Program Manager will prepare a letter notifying DOE and TPA of completion of this TPA milestone.

Acceptance Criteria:

Satisfactory completion of the sampling and characterization of all ferrocyanide tanks constitutes acceptance.

Deliverables:

DOE-RL transmittal of WHC report to the Department of Ecology and EPA by 11/30/95

- WHC Tank Vapor Program Manager will deliver a characterization report on a tank-by-tank basis as they are characterized and will notify DOE by letter of the completion of this TPA milestone by 6/30/95.

J. W. Osborne
Date 9/19/94

J. W. Osborne
Date 9/19/94
Activity Manager

R. F. Christensen
Date
DOE Manager (acceptance)

M. A. Payne
Date 9/20/94
Program Element Manager

R. F. Christensen
Date 9/22/94
DOE Manager (agreement)

D3-52

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Vapor Headspace Characterization of all Organic Watch List Tanks Schedule ID: N2H810A
Revision: 1

Assigned to: Waste Tank Safety Program

VBS Designator: 1.1.1.2.02.08

ADS No.: 1110-0-AH

Milestone Control No.: T2B-96-101

Completion Date: 11/30/95

Milestone Class:

[X] TPA M-40-08
[] DOE-HQ
[] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

WHC/WTSP Tank Vapor Program Manager will consolidate analytical laboratory reports from PNL and ORNL into a summary characterization report for each organic tank. At the completion of all tanks in this Watch List category, the Tank Vapor Program Manager will prepare a letter notifying DOE and TPA of completion of this TPA milestone.

Acceptance Criteria:

Satisfactory completion of the sampling and characterization of all organic tanks constitutes acceptance.

Deliverables:

[] RL transmittal of WHC report to the Department of Ecology and EPA by 11/30/95

- WHC Tank Vapor Program Manager will deliver a characterization report on a tank-by-tank basis as they are characterized and will notify DOE by letter of the completion of this TPA milestone by 10/31/95

J. W. Osborne
9/19/94
Date

Cost Account Manager

J. W. Osborne
9/19/94
Date

Activity Manager

R. F. Christensen
Date
DOE Manager (acceptance)

M. A. Payne
9/20/94
Date

Program Element Manager

R. F. Christensen
9/22/94
Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Tank Farm Vapor Exposure Pathway Workbook and C-Farm Estimate

Schedule ID: N2H810D

Revision: 0

Site: PNL

WBS Designator: 1.1.1.2.02.08.01

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-163

Completion Date: 09/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

PNL will provide a workbook which can be used to estimate levels of worker exposure to releases from tank venting and tank farm activities throughout the Hanford site. The workbook will give estimates of normalized (normalized by the release rate) air concentrations as a function of distance from the potential release points and as a function of weather conditions and season. Data from the tank vapor portable meteorological station and from the nearby Hanford site meteorological station will be used to estimate concentrations at the C Farm. Estimates of normalized concentrations at other tank operations on the Hanford site will be made using data from the closest Hanford site meteorological station.

Acceptance Criteria:

Same as deliverable

Deliverables:

Submit a letter to DOE-RL transmitting the final release of the tank farm vapor exposure pathway workbook and the exposure pathway estimates for C Farm, cleared for public release.

K. J. Allwine
Date: 9/20/94

J. W. Osborne
Date: 9/19/94

Activity Manager

R. F. Christensen
DOE Manager (acceptance)
Date:

M. A. Payne
Date: 9/21/94

Program Element Manager

R. F. Christensen
Date: 9/22/94
DOE Manager (agreement)

Approved:
Manager, PNL Waste Tank Safety
9/21/94

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Design and Fabrication of a Vapor Treatment System in Tank 241-C-103

Schedule ID: N2H820D

Revision: 0

Subj: Mechanical Equipment

VBS Designator: 1.1.1.2.02.08.02

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-121

Completion Date: 06/10/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[X] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify): Vapor Program Manager

Description and what constitutes completion of this commitment:

TWRS/ME will prepare a report documenting the OTP testing of the Vapor Treatment System. An Operational Readiness Review checklist shall be completed to verify system documentation, air permitting and formal operating procedures.

Predecessors:

1. TWRS/ME shall deliver a vapor treatment system by 4/30/95
2. Installation of vapor treatment system by 5/15/95

Acceptance Criteria:

Requirement of OTP testing and satisfy EPA/Ecology air permitting requirements. Achieve readiness to operate the system as documented by WHC readiness review/Ecology concurrence.

Deliverables:

Transmit a cleared (approved for public release) report documenting OTP results/readiness review to the Tank Vapor Program Manager

Subscribed 9/19/94
FOR TLM 9/19/94
J. W. Osborne/T. L. Moore, Sr. Date

Cost Account Manager
9/19/94
J. W. Osborne Date
Activity Manager

N/A Date
DOE Manager (acceptance)

9/26/94
M. A. Payne Date
Program Element Manager
N/A Date
DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Sample the Vapor Headspace of Remaining Suspect Tanks Schedule ID: N1H810A
Revision: 0
To: WHC Field Analytical Services
VBS Designator: 1.1.1.2.02.08.03 ADS No.: 1110-0-AH
Milestone Control No.: T2B-95-119 Completion Date: 9/30/95

Milestone Class:	Deliverable:	Addressed to:
[] TPA	[X] REPORT	[] DOE-HQ
[] DOE-HQ	[] LETTER	[] DOE-RL
[] DOE-RL	[] DRAWINGS	[x] Other (Specify): Vapor Program Manager
[X] CONTRACTOR	[] Other (Specify):	

Description and what constitutes completion of this commitment:

WHC Field Analytical Services (FAS) will collect vapor samples and issue a report on sampling parameters.

Acceptance Criteria:

Final letter report on sampling to Vapor Program Manager three weeks after sampling event.

Deliverables:

Issue a final letter report on sampling to Vapor Program Manager four weeks after preliminary report.

approved by FAS per telecon.

J. W. Osborne/R. A. Meznarich Date 9/19/94
Cost Account Manager

J. W. Osborne Date 9/19/94
Activity Manager

M. A. Payne Date 9/20/94
Program Element Manager

N/A Date
DOE Manager (agreement)

N/A Date
DOE Manager (acceptance)

D3-56

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Complete Design Baseline From Engineering Evaluation of Alternatives (EEA) Recommendations
Schedule ID: N2H820C
Revision: 0

Assigned to: Mechanical Equipment

VBS Designator: 1.1.1.2.02.08.03

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-131

Completion Date: 10/31/94

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[X] LETTER
[] DRAWINGS
[X] Other (Specify):
1. Functional Design Requirement Document, 2. Procurement Specifications

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other (Specify):

Description and what constitutes completion of this commitment:

TWRS Mechanical Equipment group shall develop an option implementation strategy and recommend a primary and alternate treatment option for tank 241-C-103. Once selected TWRS/ME shall complete a functional design requirement baseline and proceed to design and fabricate or procure/modify an existing design or system.

Predecessor activity: TWRS/ME will provide documentation of the EEA design option selection process to the Vapor Program Manager by 8/31/94.

A. Acceptance Criteria:

Meet guidelines provided in pertinent WHC EPS and DOE orders relative to system design, test and verification practices.

Deliverables:

TWRS/ME shall send a letter with appropriate attachments to DOE-RL documenting completion of a functional design requirement baseline and procurement specification for a vapor treatment system.

Since Conrad 9/19/94
For TLM 9/19/94
J. W. Osborne/T. L. Moore, Sr. Date

Cost Account Manager
9/19/94
J. W. Osborne Date

Activity Manager

R. F. Christensen Date
DOE Manager (acceptance)

9/20/94
M. A. Payne Date

Program Element Manager
9/22/94
R. F. Christensen Date

DOE Manager (agreement)

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Alter Personal Protection Equipment Requirements as Necessary

Schedule ID: N2H810A

Revision: 0

Addressed to: TWRS Industrial Health/Safety

WBS Designator: 1.1.1.2.02.08.03

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-134

Completion Date: 9/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[] REPORT
[] LETTER
[] DRAWINGS
[X] Other (Specify): Internal Memo

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify): TWRS Plant Operations/
Copies to Vapor Program Manager

Description and what constitutes completion of this commitment:

Recommendations for alterations to PPE and/or respiratory protection policy are the responsibility of TWRS Industrial Health/Safety. TWRS Tank Farm Operations shall implement corrective actions.

Acceptance Criteria:

Success as deliverable

Deliverables:

Review the PNL Toxicology Review Panel report within three weeks after receipt and make recommendations for any needed respiratory policy revisions within 30 days.

approved by S. Glover via FAX 9/19/94

J. W. Osborne/S. S. Glover
Date 9/19/94

J. W. Osborne
Date 9/20/94
Activity Manager

N/A
Date
DOE Manager (acceptance)

M. A. Payne
Date 9/20/94
Program Element Manager
N/A
Date
DOE Manager (agreement)

D3-58

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Characterize the Vapor Headspace of Remaining Suspect Tanks

Schedule ID: N2H810A

Revision: 0

As d to: Oak Ridge National Laboratories (ORNL)

WBS Designator: 1.1.1.2.02.08.03

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-135

Completion Date: 9/30/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify): Vapor Program Manager

Description and what constitutes completion of this commitment:

ORNL will prepare and ship all sorbent trap sampling media for WHC/FAS use to collect vapor samples. ORNL will also analyze all samples and report results.

Acceptance Criteria:

Final letter report on analysis to Vapor Program Manager providing all qualitative and quantitative analytical results five weeks after receipt of samples.

Deliverables:

Final letter report on analysis of each tank to Vapor Program Manager four weeks after preliminary report.

Approved by R. Jenkins via Fax 9/19/94
9/19/94

J. W. Osborne/R. Jenkins Date

Cost Account Manager

9/19/94

J. W. Osborne Date

Activity Manager

Date

DOE Manager (acceptance)

M. A. Payne

Program Element Manager

9/20/94

Date

N/A

Date

DOE Manager (agreement)

D3-59

WHC TWRS Milestone Description Sheet

WHC-SP-1101

Title: Characterize the Vapor Headspace of Remaining Suspect Tanks

Schedule ID: N2H810A

Revision: 0

Assigned to: Pacific Northwest Laboratories

NBS Designator: 1.1.1.2.02.08.03

ADS No.: 1110-0-AH

Milestone Control No.: T2B-95-136

Completion Date: 9/30/95

Milestone Class:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

[] DOE-HQ
[] DOE-RL
[X] Other (Specify): Vapor Program Manager

Description and what constitutes completion of this commitment:

PNL will prepare all SUMMA™ canister and sorbent trap sampling media for WHC/FAS use to collect vapor samples. PNL will also analyze all samples and report results.

Acceptance Criteria:

Preliminary letter report on analysis to Vapor Program Manager providing all qualitative and quantitative analytical results five weeks after receipt of samples.

Deliverables:

Final letter report on analysis of each tank to Vapor Program Manager four weeks after preliminary report.

9/19/94
J. W. Osborne/S. C. Goheen Date

9/19/94
J. W. Osborne Date

J. W. Osborne
Activity Manager

N/A Date

DOE Manager (acceptance)

9/20/94
M. A. Payne Date

Program Element Manager

N/A Date

DOE Manager (agreement)

D3-60

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Title: Issue Revised Criticality Safety Assessment

Schedule ID:

Revision: 0

Assigned to: Risk Assessment

WBS Designator: 1.1.1.2.02.09.01

ADS No.: 1110-0-AJ

Milestone Control No.: T2B-95-154

Completion Date: 09/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon revision of the High Level Waste Tank Sub criticality Safety Assessment (WHC-SD-WM-SARR-003). The revision will incorporate newly acquired data from tank analyses and verify that the assessment is valid.

Approval Criteria:

Approved release of revised Safety Assessment WHC-SD-WM-SARR-003

Deliverables:

Copy of approved WHC-SD-WM-SARR-003, Rev 1, submitted to the DOE Project Manager, Tank Farms Project Office, by 09/29/95

G. M. Christensen
Cost Account Manager
Date 9/15/94

G. M. Christensen
Activity Manager
Date 9/15/94

h. . . Christensen
DOE Manager (acceptance)
Date

M. A. Payne
Program Element Manager
Date 9/20/94

R. F. Christensen
DOE Manager (agreement)
Date 9/22/94

D3-61

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Complete Fissionable Material Measurements on 6 tanks

Schedule ID:

Revision:

Assigned to: Nuclear Analysis and Characterization

WBS Designator: 1.1.1.2.02.09.01

ADS No.: 1110-0-AJ

Milestone Control No.: T2B-95-155

Completion Date: 09/29/95

Milestone Class:

[] TPA
[] DOE-HQ
[X] DOE-RL
[] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

Addressed to:

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon completion and documentation of neutron density measurements in 6 tanks. The measurements will be taken with passive devices (foils and neutron detectors). The neutron densities will be related to tank plutonium content.

Acceptance Criteria:

Completion and documentation of neutron measurements and analyses in 6 tanks showing neutron densities related to plutonium content.

Deliverables:

Letter report documenting neutron measurements and analyses, submitted to the DOE Project Manager, Tank Farms Project Office, by 09/29/95.

G. M. Christensen
Cost Account Manager
9/15/94
Date

G. M. Christensen
ry Manager
9/15/94
Date

M. A. Payne
Program Element Manager
9/20/94
Date

R. F. Christensen
DOE Manager (agreement)
9/22/94
Date

R. F. Christensen
DOE Manager (acceptance)
Date

D3-62

WHC TWRS Milestone Description Sheet

Page 1 of 1

WHC-SP-1101

Issue Evaluation Report on Alternate Measurement Technology for Fissionable material

Schedule ID:

Revision: 0

Assigned to: Nuclear Analysis and Characterization

WBS Designator: 1.1.1.2.02.09.01

ADS No.: 1110-0-AJ

Milestone Control No.: T2B-95-162

Completion Date: 01/16/95

Milestone Class:

[] TPA
[] DOE-HQ
[] DOE-RL
[X] CONTRACTOR

Deliverable:

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other (Specify):

Addressed to:

[] DOE-HQ
[] DOE-RL
[X] Other (Specify):

Description and what constitutes completion of this commitment:

This commitment will be fulfilled upon completion and documentation of a conceptual study of alternative in-situ measurement techniques for fissionable material in Hanford waste tanks. Documentation will include recommendation of the best alternative measurement techniques and the feasibility of each for wide spread use in waste tank

Acceptance Criteria:

Completion of the evaluation report documenting the results of the studies and recommending alternative measurement techniques, by January 16, 1995.

Deliverables:

Evaluation report, documenting alternate measurement technologies and recommendations, submitted to the DOE Project Manager, Tank Farms Project Office, by 1/16/95.

G. M. Christensen 9/15/94
Date

Cost Account Manager

G. M. Christensen 9/15/94
Date

Activity Manager

G. M. Christensen Date

DOE Manager (acceptance)

M. A. Payne 9/20/94
Date

Program Element Manager

NA Date

R. F. Christensen

DOE Manager (agreement)

D3-63

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM PROGRAM
FY94 MILESTONE DESCRIPTION SHEET

TITLE: Complete Installation of
Caustic Injection and Mixing System
in Tank 241-AN-107

DATE: 10/25/93
REVISION: 0
SCHEDULE ID: N2L110A21

ASSIGNED TO: Waste Tank Safety Program ADS NO: 1110

PROGRAM WBS DESIGNATOR: 1.1.1.2.11.01

COMPLETION DATE: 9/30/94
FORECAST DATE: 01/31/95
FDS CODE: 1N2L11

MILESTONE CONTROL NO: TW2-94-423

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-RL

☐ Drawings

☐ Other (Specify)

☒ WHC Key

☐ Other (Specify)

Description and what constitutes completion of this commitment:

Statement of Work

The waste in Tank 241-AN-107 has not met tank farm composition operating specifications for nearly ten years. At less than 0.01 moles per liter (M), the hydroxide ion concentration of the waste is roughly an order of magnitude lower than the specification of 0.3 M. The composition operating specs are designed to control corrosion of the tanks to acceptable levels.

A two-phased approach ^{May be required} is recommended to correct the chemistry in tank 241-AN-107. Phase 1 involves the design, fabrication and installation of equipment for adding concentrated sodium hydroxide (caustic) to the supernatant and mixing the liquid layer to the extent possible to partially mitigate the excessive hydroxide ion consumption.

Workscope in FY 199^S4 includes completing modifications of the mixer pump and support equipment; completing tank farm electrical and pit upgrades; preparing procedures; and installing the injection, mixing, and process monitoring equipment. Caustic injection and mixing operations will begin in FY 1995.

Deliverables:

Transmit a letter to the RL Director, Tank Waste Storage
Division documenting the installation of the caustic injection
and mixing system in tank 241-AN-107.

Due Date:
9/30/94

S. D. Godfrey

Performing Manager

Date

S. D. Godfrey

Cost Account Manager

Date

For

J. C. Fulton

Program Element Manager

Date

For
D. A. Turner

Activity Manager

Date

N/A

DOE Monitor

Date

Note: This is an FY 1994 carryover milestone.

D3-64

MDSs for Technical Integration & Planning (1.1.1.2.03.01)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

TITLE: Establish Farm-by-Farm Priority for
W-314 Upgrades

SCHEDULE ID: N3D41
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.01.01

ADS NO:1120-00
COMPLETION DATE: 2/28/95

MILESTONE CONTROL NO: T2C-95-500 -

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL ✓
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Prepare a report describing the Farm-by-Farm priority for W-314 upgrades. This report will be based on a Systems Engineering approach and will incorporate the findings of the various technical strategies which were completed by the Upgrades Program.

Acceptance Criteria

Approval of the DOE-RL Program Manager of the Farm-by-Farm priority for W-314 and all upgrades work within Tank Farms for the next fiscal year.

Deliverables:

Submit a written report to DOE-RL which establishes the Farm-by-Farm upgrades priority for W-314.

E. C. Ladd *E. C. Ladd* 9/15/94
Cost Account Manager: Date: 9/16/94

J. D. Thomson *J. D. Thomson* 9/16/94
Program Element Manager: Date:

J. D. Thomson *J. D. Thomson*
Activity Manager: Date:

A. Hon *A. Hon* 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

TITLE: Annual Update of Farm-by-Farm
Priority for W-314 Upgrades

SCHEDULE ID: N3D41
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.01.01

ADS NO:1120-00
COMPLETION DATE:
2/28/96

MILESTONE CONTROL NO: T2C-96-601

MILESTONE CLASS:

DELIVERABLE:

11) ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Prepare an annual update describing the Farm-by-Farm priority for W-314 upgrades. This report will be based on a Systems Engineering approach and will incorporate the findings of the technical strategies which were developed by the Upgrades Program.

Acceptance Criteria

Approval of the DOE-RL Program Manager of the annual update of the Farm-by-Farm priority for W-314 and all upgrades work within Tank Farms for the next fiscal year.

Deliverables:

Submit a written report to DOE-RL which establishes the Farm-by-Farm upgrades priority for W-314.

E. C. Ladd *E. C. Ladd* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/16/94
Program Element Manager: Date:

J. D. Thomson *J. D. Thomson* 9/16/94
Activity Manager: Date:

A. Hon *A. Hon* 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date

MDSs for Configuration Management (1.1.1.2.03.02)

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 95 Field Verification Program
FV 150 Essential/Support Drawings -
Verification Completed

SCHEDULE ID: N3C3141MM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE: 9/29/95

MILESTONE CONTROL NO: T2C-95-116

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

This task is TWRS Safety Initiative 4c. The description and completion of this commitment is to field verify, CADD convert, and issue a minimum of 150 Essential or Support drawings listed in the Tank Farm Essential Drawing Plan, WHC-SD-WM-PC-002.

Note:

Essential/Support dwgs. issued in FY 91 = 358
Essential/Support dwgs. issued in FY 92 = 170
Essential/Support dwgs. issued in FY 93 = 100
Essential/Support dwgs. issued in FY 94 = 150
Essential/Support dwgs. issued in FY 95 ≥ 150
Total dwgs issued from FY 91 thru FY 95 ≥ 928

Drawings needed to complete TWRS Safety Initiative 4c in FY 96 ≥ 1103.

Acceptance Criteria:

Issue field verified Essential and/or Support drawings.

Deliverables: (Describe the specific products or condition)

The deliverable is a letter to DOE-RL that documents the issuance of a minimum of 150 Field Verified Tank Farm Essential and/or Support drawings. This set of drawings includes but is not limited to drawings related to the 242-A, 242-AL, 244-AR, 204-AR, 244-U, 241-AY, 241-AZ facilities. Quarterly status letters listing the issued drawings will also be provided as well as the final letter.

Approvals:

T. Moleff *9/16/94*
Cost Account Manager: Date:

J. D. Thomson *9/16/94*
Program Element Manager: Date:

K. L. Morris *9/16/94*
Activity Manager: Date:

A. Hon *9/16/94*
DOE Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 95 Component Labeling Program
Component Report Issued

SCHEDULE ID: N3C3142MM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE: 9/29/95

MILESTONE CONTROL NO: T2C-95-125

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Engineering

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The component labeling, master equipment list, and systems drawing work began in 1994. A self-assessment was performed at the end of FY 1994. Documentation of the self-assessment and recommendations for further improvement of the labeling program will be issued.

Acceptance Criteria:

Complete a report which includes the results from the FY 1994 self assessment and recommendations for further labeling and Master Equipment List (MEL).

Deliverables: (Describe the specific products or condition)

The deliverable is a report describing the labeling efforts in FY 1994, results from the self assessment, and recommendations for improving the labeling effort.

Approvals:

T. Moleff 7 Moleff 9/19/94
Cost Account Manager: ✓ Date:

J. D. Thomson E. L. Hall for J.D.T.
Program Element Manager: Date: 9/19/94

K. L. Morris K.L. Morris 9/19/94
Activity Manager: Date:

N/A
DOE Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 1995 Configuration Management -
CM - Systems & Boundaries List
Issued

SCHEDULE ID: N3C310205M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE:
09/29/95

MILESTONE CONTROL NO: T2C-95-601

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Develop a list that identifies and describes Tank Farm and 242-A Evaporator "Systems" with their respective boundaries and issue as a Supporting Document.

Acceptance Criteria:

The system and boundaries are to be established in such a manner as to contain the components necessary to satisfy the operational requirements for that system.

Deliverables:

Issue a Supporting Document that identifies and describes the Systems with their respective boundaries for 200 E & 200 W Tank Farms, and 242-A Evaporator Facilities.

Provide a quarterly status letter identifying completed systems.

Approvals:

T. Moleff 9/16/94
Cost Account Manager Date:

J. D. Thomson 9/16/94
Program Element Manager Date:

K. L. Morris 9/16/94
Activity Manager Date:

A. Hon 9/16/94
DOE Manager Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 96 Field Verification Program
Complete Accelerated Walkdowns and
Field Verify Essential/Support
Drawings

SCHEDULE ID: N3C3148M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE: 9/30/96

MILESTONE CONTROL NO: T2C-96-108

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ (SI 4c42)
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☒ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

This task is to Field Verify a minimum of 175 Essential/Support drawings which will complete TWRS Safety Initiative 4c. The Safety Initiative was to field verify, and CADD convert Essential and/or Support drawings that are listed in the Tank Farm Essential Drawing Plan, WHC-SD-WM-PC-002. As a result, between 1100 to 1200 Field Verified drawings will be issued into the WHC drawing archive system. Not all drawings identified in WHC-SD-WM-PC-002 were to be Field Verified. For example, logic diagrams, circuit board diagrams, and printed circuit board assemblies, do not lend themselves to the Field Verification process. The following number of drawings have been issued:

Essential/Support dwgs. issued in FY 91 = 358
Essential/Support dwgs. issued in FY 92 = 170
Essential/Support dwgs. issued in FY 93 = 100
Essential/Support dwgs. issued in FY 94 = 150
Essential/Support dwgs. issued in FY 95 ≥ 150
Essential/Support dwgs. issued in FY 96 ≥ 175
Total dwgs issued from FY 91 thru FY 96 ≥ 1103

This is the total number for all field verification.

Acceptance Criteria:

Issue field verified Essential and/or Support drawings.

Deliverables: (Describe the specific products or condition)

The deliverable is a letter to DOE-HQ documenting the completion of TWRS Safety Initiative 4c. It is estimated that completion of TWRS Safety Initiative 4c will result in the Field Verification of between 1100 to 1200 Essential/Support drawings listed in WHC-SD-WM-PC-002.

Approvals:

T. Moleff 9/16/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

K. L. Morris 9/16/94
Activity Manager: Date:

A. Hong 9/16/94
DOE Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 96 Field Verification Program
FV 175 Essential/Support Drawings -
Verification Completed

SCHEDULE ID: N3C3147MM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE: 9/30/96

MILESTONE CONTROL NO: T2C-96-109

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

(What work is specifically going to be done to accomplish this milestone)
This task is TWRS Safety Initiative 4c. Field verify, CADD convert, and issue a minimum of 175 Essential or Support drawings listed in the Tank Farm Essential Drawing Plan, WHC-SD-WM-PC-002.

Note:

Essential/Support dwgs. issued in FY 91 = 358
Essential/Support dwgs. issued in FY 92 = 170
Essential/Support dwgs. issued in FY 93 = 100
Essential/Support dwgs. issued in FY 94 = 150
Essential/Support dwgs. issued in FY 95 ≥ 150
Essential/Support dwgs. issued in FY 96 ≥ 175
Total dwgs issued from FY 91 thru FY 96 ≥ 1103
This is the total number for all field verification.

Acceptance Criteria:

Issue field verified Essential and/or Support drawings.

Deliverables: (Describe the specific products or condition)

The deliverable is a letter to DOE-RL documenting the issuance of a minimum of 175 Essential/Support drawings. Quarterly status letters listing the issued drawings will also be provided as well as the final letter.

Approvals:

T. Moleff *[Signature]* 9/16/94
Cost Account Manager: Date:

K. L. Morris *[Signature]* 9/16/94
Activity Manager: Date:

J. D. Thomson *[Signature]* 9/16/94
Program Element Manager: Date:

A. Hon *[Signature]* 9/16/94
DOE Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 96 Component Labeling
Component Labeling - ETP
Issued

SCHEDULE ID: N3C3146M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE: 9/30/96

MILESTONE CONTROL NO: T2C-96-118

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Engineering

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

An Engineering Task Plan (ETP) will be written that will address the roles and responsibilities associated with the Component Labeling Program including labeling, Master Equipment List (MEL) systems drawings.

Acceptance Criteria:

The completion of the Component Labeling ETP.

Deliverables: (Describe the specific products or condition)

The deliverable is a letter the documents the completion of the Component Labeling ETP.

Approvals:

[Signature] 9/16/94
I. Moteff
Cost Account Manager: Date:

[Signature] 9/16/94
J. D. Thomson
Program Element Manager: Date:

[Signature] 9/16/94
K. L. Morris
Activity Manager: Date:

N/A
DOE Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: FY 97 Component Labeling
Complete Component Labeling

SCHEDULE ID: N3C3150M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.02.01

ADS NO: 1120-0
COMPLETION DATE:
09/30/97

MILESTONE CONTROL NO: T2C-97-118

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Engineering

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Unique identification numbers will be assigned to components in Single-Shell Tank (SST) and Double-Shell Tank (DST) Tank Farms. System drawings will also be issued into the WHC drawing archive system. In addition, data will be gathered to develop a Master Equipment List (MEL) that will be delivered to WHC at the completion of the task.

Acceptance Criteria:

The installation of labels on components in the Tank Farms, issuance of System drawings, and the completion of a MEL.

Deliverables: (Describe the specific products or condition)

The deliverable is a letter that documents the completion of:

1. Installation of labels on components in the Tank Farms
2. Issuance of system drawings to support the labeling effort
3. Completion of a MEL to support the system drawings.

Approvals:

T. Moleff 9/16/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

K. L. Morris 9/16/94
Activity Manager: Date:

NA
DOE Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101

MDSs for Life Management (1.1.1.2.03.03)

D4-12

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Design DST Crack Growth Rate Experiment

SCHEDULE ID: N3E510A01M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.03.01ADS NO: 1120-0
COMPLETION: 11/30/94

MILESTONE CONTROL NO: T2C-95-401

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Program Office

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Write experimental procedure to define variables, # samples, and experimental method necessary to develop DST crack growth rate data. This milestone supports Task 2, "Degradation Mechanisms," Task 4, "Structural Acceptance," and Task 5, "Surveillance," of the "Plan for the TWRS Life Management/Aging Program," Rev. 0, WHC-SD-PLN-068.

Acceptance Criteria

TWRS Program office concurrence on letter report.

Deliverables: (Describe the specific products or condition)

Letter report with detailed experimental planning attached.

P. C. Ohl P.C. Ohl 9/14/94
Cost Account Manager: Date:

J. D. Thomson J.D. Thomson 9/15/94
Program Element Manager: Date:

N. G. Awadalla N.G. Awadalla 9/14/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

August 18, 1994

DH-13

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Complete Preliminary CERT Studies

SCHEDULE ID: N3E510A03M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.03.01ADS NO: 1120-0
COMPLETION: 5/31/95

MILESTONE CONTROL NO: T2C-95-402

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Program Office

Description and what constitutes completion of this commitment:
 (What work is specifically going to be done to accomplish this milestone)

Issue report describing results of scoping CERT (Constant Elongation Rupture Test) studies. These studies support development of DST crack growth rate data which are required by Task 2, "Degradation Mechanisms," of the "Plan for the TWRS Life Management/Aging Program," Rev. 0, WHC-SD-PLN-068.

Acceptance Criteria

- Completion of experiments as described in test plan
- Compilation of experimental results
- Recommendation for further study
- TWRS Program Office concurrence

Deliverables: (Describe the specific products or condition)

WHC Supporting Document describing experimental method and test results.

P. C. Ohl *P.C. Ohl* 9/14/94
 Cost Account Manager: Date:

J. D. Thomson *J.D. Thomson* 9/15/94
 Program Element Manager: Date:

N. G. Awadalla *N.G. Awadalla* 9/14/94
 Activity Manager: Date:

NA
 DOE Manager (agreement): Date:

 DOE Manager (acceptance) . Date

August 18, 1994

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Complete Pitting Test Plan

SCHEDULE ID: N3E510B01M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.03.01ADS NO: 1120-0
COMPLETION: 5/31/95

MILESTONE CONTROL NO: T2C-95-403

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Program Office

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Write experimental procedure to define variables, # samples, and experimental method necessary to develop DST pitting data. This work is necessary to determine the effect of waterline attack in DSTs. This work supports Task 2, "Degradation Mechanisms," Task 4, "Structural Acceptance," and Task 5, "Surveillance," of the "Plan for the TWRS Life Management/Aging Program," Rev. 0, WHC-SD-PLN-068.

Acceptance Criteria

TWRS Program office concurrence on letter report.

Deliverables: (Describe the specific products or condition)

Letter report with detailed experimental planning attached.

P. C. Ohl P.C. Ohl 9/15/94
Cost Account Manager: Date:

J. D. Thomson J.D. Thomson 9/15/94
Program Element Manager: Date:

N. G. Awadalla N.G. Awadalla 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

September 15, 1994

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: DST Structural Concrete Assessment

SCHEDULE ID: N3E510DM
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.03.01ADS NO: 1120-0
COMPLETION: 4/27/95

MILESTONE CONTROL NO: T2C-95-404

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Program Office

Description and what constitutes completion of this commitment:
 (What work is specifically going to be done to accomplish this milestone)

This activity will compile available data on all Hanford structural concrete relative to DSTs and provide recommended material properties (compressive strength, Young's Modulus, etc.) for use in structural analyses. This activity supports Task 2, "Degradation Mechanisms," and Task 4, "Structural Acceptance," of the "Plan for the TWRS Life Management/Aging Program," Rev. 0, WHC-SD-PLN-068.

Acceptance Criteria

- Issued for public release
- Technical review by non-TWRS organization
- TWRS Program Office concurrence

Deliverables: (Describe the specific products or condition)

WHC Supporting Document (technical report).

P. C. Ohl PC Ohl 9/14/94
 Cost Account Manager: Date:

N. G. Awadalla N.G. Awadalla 9/14/94
 Activity Manager: Date:

J. D. Thomson J.D. Thomson 9/15/94
 Program Element Manager: Date:

NA
 DOE Manager (agreement): Date:

DOE Manager (acceptance): Date

August 18, 1994

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Engineering Design for CP Upgrades

SCHEDULE ID: N3E510EM
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.03.01ADS NO: 1120-0
COMPLETION: 4/28/95

MILESTONE CONTROL NO: T2C-95-405

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
 (What work is specifically going to be done to accomplish this milestone)

*

The existing CP system (installed under 3 separate projects) will be reviewed along with the results of the FY 1994 baseline CP surveys and WAC 173-303 requirements to determine appropriate adjustments and upgrades to the existing CP system. This work supports Task 7, "Mitigation Strategies," of the "Plan for the TWRS Life Management/Aging Program," Rev. 0, WHC-SD-PLN-068.

Acceptance Criteria

* CORROSION PROTECTION

- Comprehensive description of existing system and integration with new transfer line projects
- Cost benefit analysis of recommended upgrades
- Detailed description with cost/schedule estimate for each upgrade

Deliverables: (Describe the specific products or condition)

Letter with CP upgrade recommendations and supporting information/reports attached.

P. C. Ohl *P. C. Ohl* 9/15/94
 Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
 Program Element Manager: Date:

N. G. Awadalla *NG Awadalla* 9/15/94
 Activity Manager: Date:

A. Hon *A. Hon* 9/16/94
 DOE Manager (agreement): Date:

 DOE Manager (acceptance) Date

September 14, 1994

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Electronic Engineering Bibliography

SCHEDULE ID: N3E510J01M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.03.01ADS NO: 1120-0
COMPLETION: 3/31/95

MILESTONE CONTROL NO: T2C-95-406

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
Computer Code

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
TWRS Program Office

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

This activity will provide structural analysts and materials experts with an electronic sorting tool for evaluation of historical data. This activity supports all Tasks associated with the "Plan for the TWRS Life Management/Aging Program," Rev. 0, WHC-SD-PLN-068.

Acceptance Criteria

- Complete data entry of available reports with report #, author, location, and abstract.
- User friendly expansion capability
- Hard copy of computer code documentation

Deliverables: (Describe the specific products or condition)

Letter report describing system, instructions, and location.

P. C. Ohl P.C. Ohl 9/14/94
Cost Account Manager: Date:

J. D. Thomson J.D. Thomson 9/15/94
Program Element Manager: Date:

N. G. Awadalla N.G. Awadalla 9/14/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

August 19, 1994

WHC-SP-1101

MDSs for W-236A Multi-Function Waste Tank Facility (1.1.1.2.03.04)

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Administration Building
Design Package/Package 30

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 09/30/95

MILESTONE CONTROL NO: T2C-95-700

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Design/Construct
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This design package will contain completed drawings and a design/construct specification.

Statement of Work:

Prepare all design media required to support completion of the Design/Construct Specification.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Drawings (1)
2. Specifications (1)

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 16, 1994

D4-20

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Construction Fence Design
Package/Package 60

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 10/31/94

MILESTONE CONTROL NO: T2C-95-701

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Construction
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This design package will contain completed drawings and a construction specification.

Statement of Work:

Prepare drawings and a specification for construction fences around the 200W & 200E area sites.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Drawings (2)
2. Specifications (2)

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9-16-94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:
A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 16, 1994

D4-2.1

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Jumper Design Package/Package 70

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 12/6/95

MILESTONE CONTROL NO: T2C-96-702

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Construction
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This design package will contain completed drawings and a construction specification.

Statement of Work:

Prepare drawings and a specification for mechanical, electrical, and instrumentation jumpers in the tank farm area and support facility for the 200E and 200W areas.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Drawings (517)
2. Specification (1)

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Site Prep Design Package- 200E/Package 25

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 10/7/94

MILESTONE CONTROL NO: T2C-95-703

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Construction
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This design package will contain completed drawings and a construction specification.

Statement of Work:

Prepare drawings and a specification for constructing roads, parking lot, access ramp, tank excavation, support facility excavation, spoil pile and laydown areas, stabilization and shoring, sanitary water, raw water, and sanitary sewer for the 200E area site. Also included in this package is the 200E construction trailer design, and the 200E site electrical design.

Acceptance Criteria: The approval by WHC constitutes completion.

Deliverables: (approximate)

1. Drawings (23)
2. Specification (1)

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 16, 1994

D4-23

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY96

TITLE: Support Facility Design Package-
200E/Package 55

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 1/5/96

MILESTONE CONTROL NO: T2C-96-704

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Design/Construction
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

This design package will contain completed drawings, a construction specification, a design/construct specification and reports for the 200 East support facility.

Statement of Work:

Prepare drawings, reports and specifications for the 200E area support facility, tank farm area, weather enclosure and miscellaneous buildings including: building concrete metal, finishes, HVAC; tunnel/stack; process piping, cell equipment, service piping and plumbing, pits; mixer pump/thermocouple pads, chemical addition pump station, annulus intake pad, tank backfill; all yard piping, annulus supply/exhaust, primary supply/exhaust, gas sample, primary air intake, flush pit; service, generator and stack monitor buildings, and all related instrumentation and electrical.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Drawings (2,074)
2. Specifications (1)
3. Reports (5)

R L Fritz
R. L. Fritz *9-16-99*
Cost Account Manager: Date:

N. G. Awadalla for NGA 9/16/99
N. G. Awadalla
Activity Manager: Date:

J. D. Thomson
J. D. Thomson *9/16/99*
Program Element Manager: Date:

A. Hon
A. Hon *9/16/99*
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Support Facility Design Package -
200E/Package 50

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE:
05/26/95

MILESTONE CONTROL NO: T2C-95-705

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Design/Construction
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:
This design package will contain completed drawings, a construction specification a design/construct specification and reports for the 200 West support facility.

Statement of Work:

Prepare drawings, reports, and specifications for the 200W steam condensate tie-in, tank farm area, weather enclosure, and miscellaneous buildings including: building concrete metal, finishes, HVAC; tunnel/stack; process piping, cell equipment, service piping and plumbing pits; mixer pump/thermocouple pads, chemical addition pump station, annulus intake pad, supply/exhaust; gas sample, primary air intake, flush pit; service, generator and stack monitor buildings, and all related instrumentation and electrical.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Drawings (1,635)
2. Specification (1)
3. Reports (6)

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Complete the Tank Design Package
Certified Design Specification
(CDS)/ Package 40 for Project W-236A

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO.: 1280-AA
COMPLETION DATE:
12/14/94

MILESTONE CONTROL NO: T2C-95-706

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Specification

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This design package will contain completed drawings, the tank certified design specification, and a construction specification.

Statement of Work:

Prepare drawings, tank certified design specification, and a construction specification for the primary tanks and all risers within the ASME Section III boundaries, as the basis for defining tank offsite A/E design requirements. Also, this package includes the design associated with the secondary liner, concrete encasement, supporting pad annulus, and piping.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Drawings (32)
2. Specification (2)
3. Reports (2)

R. L. Fritz 9-16-94
R. L. Fritz

Cost Account Manager: Date:

N. G. Awadalla 9/16/94
N. G. Awadalla

Activity Manager: Date:

J. D. Thomson 9/16/94
J. D. Thomson

Program Element Manager: Date:

A. Hon 9/16/94
A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: DRD/FDC Letter Report

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 6/30/95

MILESTONE CONTROL NO: T2C-95-707

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This letter report will contain a comparison between Design Requirements Document (DRD) and Functional Design Criteria (FDC).

Statement of Work:

Prepare an FDC Compliance Report reviewing and comparing requirements in the FDC and DRD. This report will validate requirements and document any compliance issues.

Acceptance Criteria: The transmittal, via letter, to RL constitutes completion.

Deliverable:

1. FDC Compliance Report

R. L. Fritz 9-16-94
Cost Account Manager: Date:
M. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:
A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Prepare MWTF Revalidation Material

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 4/20/95

MILESTONE CONTROL NO: T2C-95-709

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
Presentation

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

Prepare project revalidation material for outyear FY97.

Statement of Work:

Prepare validation presentation, and present to validators.

Acceptance Criteria: Successful revalidation of MWTF for FY97 by DOE-RL constitutes completion.

Deliverables:

1. Revised baseline documents
2. Validation report 03/01/95
3. Presentation 04/20/95

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 16, 1994

D4-28

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY96

TITLE: Prepare MWTF Revalidation Material

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 4/20/96

MILESTONE CONTROL NO: T2C-96-710

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
Presentation

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

Prepare project revalidation material for outyear FY98.

Statement of Work:

Prepare validation presentation, and present to validators.

Acceptance Criteria: Successful revalidation of MWTF for FY98 by DOE-RL constitutes completion.

Deliverables:

1. Revised baseline documents
2. Validation report TBD
3. Presentation TBD

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla 9/16/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY97

TITLE: Prepare MWTF Revalidation Material

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 4/20/97

MILESTONE CONTROL NO: T2C-97-711

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
Presentation

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

Prepare project revalidation material for outyear FY99.

Statement of Work:

Prepare validation presentation, and present to validators.

Acceptance Criteria: Successful revalidation of MWTF for FY99 by DOE-RL constitutes completion.

Deliverables:

1. Revised baseline documents
2. Validation report TBD
3. Presentation TBD

R. L. Fritz 9-16-99
Cost Account Manager: Date:

N. G. Awadalla
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-46-01A, Concurrence of Additional
Tank Acquisition

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Tank Waste Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO:1280-AA
COMPLETION DATE:11/30/94

MILESTONE CONTROL NO: T2C-95-712

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Issue a letter which includes plans of additional tank acquisition, to support TPA milestone M-46-01. The contents of the letter will be based on the waste tank volume projections.

Acceptance Criteria

- Issued for public release
- Technical review by non-TWRS organization
- TWRS Program Office concurrence

Deliverables:

WHC supporting document.

R.L. Fritz by Ellen Kruskovich

R. L. Fritz per kleeon
Cost Account Manager: Date:

J. D. Thomson
Program Element Manager: Date:

N. G. Awadalla
Activity Manager: Date:

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY96

TITLE: M-42-02-T02, Complete Detailed
Design

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE: 1/31/96

MILESTONE CONTROL NO: T2C-96-100

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Construction
Specifications

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:

This constitutes the completion of all design packages (as denoted in the PAP) to support construction. The completion date will be revised pending TPA change request approval.

Statement of Work:

Preparation of drawings, specifications, and reports to support construction (supports KD 3A, start of construction). This milestone is based on completion of all identified ICF KH Design Package Completion Milestones.

Acceptance Criteria: The approval by WHC and transmittal, via letter, to RL constitutes completion.

Deliverables: (approximate)

1. Demolition - 200E	6. Support facility - 200W
2. Civil site prep - 200W	(includes 254 P&ID's)
3. Civil site prep - 200E	7. Support facility - 200E
- 4. Construction fence - 200E/W	(includes 360 P&ID's)
5. Tanks	8. Administration building
	9. Jumper fabrication - 200E/W

R. L. Fritz 9-16-94
Cost Account Manager: Date:

N. G. Awadalla For NEA
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

September 16, 1994

D4-32

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY95

TITLE: Baseline Evaluation

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE:
10/15/96

MILESTONE CONTROL NO: T2C-97-708

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
Rebaseline
Information

☐ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)
N/A

Description and what constitutes completion of this commitment:
Completion of the project baseline evaluation.

Statement of Work:

Review and assess any impacts to the current project baseline by the incorporation of the RL independent review cycle and the new scheduled receipt of KD 3A.

Acceptance Criteria: Confirmation of the current approved baseline or submittal of a WHC approved change request to DOE-RL.

Deliverables:

Change Request

R. L. Fritz 9-16-97
R. L. Fritz

Cost Account Manager: Date:

N. G. Awadalla 9/16/97
N. G. Awadalla

Activity Manager: Date:

J. D. Thomson 9/16/97
J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/97
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY96

TITLE: M-46-01B, Concurrence of Additional
Tank Acquisition

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.1.2.03.04

ADS NO:1280-AA
COMPLETION DATE:
11/30/95

MILESTONE CONTROL NO: T2C-96-713

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Issue a letter which includes plans of additional tank acquisition, to support TPA milestone M-46-01. The contents of the letter will be based on the waste tank volume projections.

Acceptance Criteria

- Issued for public release
- Technical review by non-TWRS organization
- TWRS Program Office concurrence

Deliverables:

WHC supporting document.

*R.L. Fritz by Ellen Kriskovich
per telecon*

R. L. Fritz
Cost Account Manager: Date:

J. D. Thomson
Program Element Manager: Date:

for NGR 9/16/94
N. G. Awadalla
Activity Manager: Date:

9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
FY97

TITLE: M-46-01C, Concurrence of Additional
Tank Acquisition

SCHEDULE ID:
REVISION: 0

ASSIGNED TO: Multi-Function Waste Tank Facility
WBS DESIGNATOR: 1.1.2.8.1

ADS NO: 1280-AA
COMPLETION DATE:
11/30/96

MILESTONE CONTROL NO: T2C-97-714

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Issue a letter which includes plans of additional tank acquisition, to support TPA milestone M-46-01. The contents of the letter will be based on the waste tank volume projections.

Acceptance Criteria

- Issued for public release
- Technical review by non-TWRS organization
- TWRS Program Office concurrence

Deliverables:

WHC supporting document.

R. L. Fritz by Ellen Kravkovich

R. L. Fritz per telecon
Cost Account Manager: Date:

J. D. Thomson
Program Element Manager: Date:

N. G. Awadalla
Activity Manager: Date:

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

MDSs for Instrument & Control/Electrical Upgrade (1.1.1.2.03.06)

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Upgrade Leak Detection Equipment for
SSTs with Liquid Surfaces

SCHEDULE ID: N3T450D02
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.04

ADS NO: 1120-0
COMPLETION DATE:
12/30/94

MILESTONE CONTROL NO: T2C-95-113

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ SI 5e28
☐ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

This commitment is a continuation of the FY 1994 work to install Enraf gauges to replace FIC gauges in the SSTs that have liquid surfaces. FY 1995 work scope will install Enraf gauges in any remaining SSTs that have a liquid surface. (The number of tanks to have new Enraf gauges installed will decrease due to decisions to accelerate stabilization or to emergency pump any of the remaining SSTs with liquid surfaces. This number, originally 21 SSTs, is not expected to increase.).

Drawings will be prepared to update the liquid level gauge installation for each tank and the installation will be done by TWRS Waste Tank Operations.

Interim Milestones:

- Install 2 liquid level gauges - 10/28/94
- Install 2 liquid level gauges - 11/23/94
- Install 2 liquid level gauges - 11/28/94

Acceptance Criteria:

Successful completion of Acceptance and Operational Test Procedures of all SSTs that have measurable liquid surfaces. A decision not to install an Enraf gauge in a tank with a liquid surface that is to be stabilized in the near term or is to be emergency pumped will require documented RL approval.

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Deliverables:

A letter to RL documenting the completion of installation and the turnover to operations of new Enraf liquid level gauges in SSTs that have liquid surfaces.

R. P. Schroeder
C. P. Schroeder

Cost Account Manager: Date:

J. D. Thomson
J. D. Thomson

Program Element Manager: Date:

N. R. Croskrey
N. R. Croskrey

Activity Manager: Date:

A. Hon
A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Upgrade 7 Tank Farm Control Room Alarm
Panels

SCHEDULE ID: N3T120EM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE: 3/31/95

MILESTONE CONTROL NO: T2C-95-114

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ SI 4a34
☐ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☒ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The existing control room alarm panels are a mixture of original equipment and various modifications accomplished over the past 40 years. The control room alarm panels were selected and prioritized for upgrades on the basis of operator impact. The following were included in the Safety Initiative to upgrade 7 control room panels: C-Farm, A-Farm, AW-Farm, AN-Farm, BX/BY-Farm, U-Farm, and the 242-S Evaporator. The upgrade effort: 1) consolidates alarm panel windows in the seven control rooms, 2) eliminates obsolete windows, and 3) upgrades selected obsolete hardware. All control room upgrades, except the 242-S Evaporator, were completed prior to or during FY 1994.

This task involves an engineering evaluation to identify obsolete alarm windows, and to identify alarms to be retained and upgraded. In addition, currently available annunciator models are substituted for those no longer available and to achieve consistency throughout the farms for improved maintenance efficiency.

Interim Milestones:

- Complete installation - 3/24/95
- Complete Acceptance for Beneficial Use - 2/1/96

Release of design media, completion of installation activities, and completion of the ATP constitutes meeting this milestone.

Acceptance Criteria

Design media is completed in accordance with the Standard Engineering Practices (WHC-CM-6-1) and installation activities are controlled by the Tank Farm Administrative Manual (WHC-IP-0842). Procedures for Acceptance for Beneficial Use (ABU) are in place and will be applied to the 242-S Evaporator Upgrades when that activity is scheduled in FY 1996.

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Deliverables: (Describe the specific products or condition)

A letter to RL that documents actions taken to complete upgrades to alarm panels in seven control rooms. The actions include: completing the design package, installing the required hardware, and returning the equipment to operation. In some situations upgrades to the facility were determined to be unnecessary. In these cases, their basis will be documented in the completion letter.

E. Biebesheimer 9/15/94

Cost Account Manager: Date:

J. D. Thomson 9/16/94

Program Element Manager: Date:

N. R. Croskrey 9/15/94

Activity Manager: Date:

A. Hon 9/16/94

DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 242-S Evaporator Alarm Upgrade -
Install

SCHEDULE ID: N3T120E01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
3/24/95

MILESTONE CONTROL NO: T2C-95-411

MILESTONE CLASS:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

DELIVERABLE:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of upgraded alarm panels and equipment. This milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be in accordance with WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer

Cost Account Manager: Date:

J. D. Thomson

Program Element Manager: Date:

N. R. Croskrey

Activity Manager: Date:

A. Hon

DOE Manager (agreement): Date:

W. H. Bryant

Work Package Manager: Date:

DOE Manager (acceptance): Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 242-S Evaporator Alarm Upgrade -
Turnover

SCHEDULE ID: N3T120E02M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
07/25/95

MILESTONE CONTROL NO: T2C-95-421

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete testing and Acceptance for Beneficial Use (ABU).

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

NA

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-701-A MCC Replacement - Install

SCHEDULE ID: N3T120A01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
3/24/95

MILESTONE CONTROL NO: TW3-94-424

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)
☐ OTHER

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of new motor control center. Providing temporary power and removal of old hardware will be required. This milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be according to WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/14/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

A. Hord 9/16/94
DOE Manager (agreement): Date:

W. H. Bryant
Work Package Manager: Date:

DOE Manager (acceptance): Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Tank Farm Instrumentation Upgrades Plan

SCHEDULE ID: N3T140A01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 3/30/95

MILESTONE CONTROL NO: T2C-95-430

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Prepare and update the Instrumentation Upgrades Plan WHC-SD-WM-WP-132 to revision 5. Revision to include work described by firm FY 1995 funding.

Acceptance Criteria

Release of Supporting Document by Engineering Document Control

Deliverables: (Describe the specific products or condition)

Supporting Document

C. P. Schroeder *C. P. Schroeder* 9-15-94
Cost Account Manager: Date:

N. R. Croskrey *N. R. Croskrey* 9/15/94
Activity Manager: Date:

J. D. Thomson *J. D. Thomson* 9/16/94
Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Tank Farm Instrumentation Upgrades Plan

SCHEDULE ID: N3T140AM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/29/95

MILESTONE CONTROL NO: T2C-95-431

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY) _____

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY) _____

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Prepare and update the Instrumentation Upgrades Plan WHC-SD-WM-WP-132 to revision 6. Revision to include work completed during FY 1995 funding and plans for FY 1996.

Acceptance Criteria

Release of Supporting Document by Engineering Document Control

Deliverables: (Describe the specific products or condition)

Supporting Document

C. P. Schroeder

Cost Account Manager: Date:

N. R. Croskrey

Activity Manager: Date:

J. D. Thomson

Program Element Manager: Date:

A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: HDAT: Fully Operational in
S, SX, SY, C, TY Tank Farms

SCHEDULE ID: N3T140GM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/29/95

MILESTONE CONTROL NO: T2C-95-432

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Installation and acceptance for use by Operations of the Handheld Data Acquisition for Tank Farms (HDAT) system in S, SX, SY, C, TY tank farms.

Acceptance Criteria

Acceptance and operability tests of the system.

Deliverables: (Describe the specific products or condition)

Equipment, Operating Software, Design Documentation, User Procedures.

C. P. Schroeder *R. J. [unclear]* 9-15-94
Cost Account Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

J. D. Thomson *[Signature]* 9/16/94
Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Upgrade Level Gauge Equipment -
Total 48 Gauges FY 1995

SCHEDULE ID: N3T450D09
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/29/95

MILESTONE CONTROL NO: T2C-95-433

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Install upgraded level gauges in a total of 48 tanks in FY 1995.

Acceptance Criteria

Acceptance and Operational Test Procedures

Deliverables: (Describe the specific products or condition)

Installation of 48 Level Gauges in FY 1995.

RR Smith 9-15-94
C. P. Schroeder

Cost Account Manager: Date:

J. D. Thomson
j. D. Thomson

Program Element Manager: Date:

NR Croskrey
N. R. Croskrey

Activity Manager: Date:

A. Hon
A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Instrument Upgrades/TMACS -
Communications System ATP

SCHEDULE ID: N3T140BOM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE:
09/29/95

MILESTONE CONTROL NO: T2C-95-434

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Installation of a fiber optic communications system to serve TMACS and SACS among Buildings 2750E, 272AW, 242A, 242S, and 272WA.

Acceptance Criteria

Operationally test the communications system (ATP) and turnover to Operations.

Deliverables: (Describe the specific products or condition)

Communications system (fiber, communications equipment installed)

C. P. Schroeder *9-15-94*
Cost Account Manager: Date:

J. D. Thomson *9/16/94*
Program Element Manager: Date:

N. R. Croskrey *9/15/94*
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: SY Diesel Generator - Turnover

SCHEDULE ID: N3T120C02M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
09/30/96

MILESTONE CONTROL NO: T2C-96-401

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete testing and Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

12B) Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 271-CR MCC Upgrade - Install

SCHEDULE ID: N3T120B01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
08/27/97

MILESTONE CONTROL NO: T2C-96-403

MILESTONE CLASS:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

DELIVERABLE:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

ADDRESSED TO:

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Manager

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of new motor control center (MCC). Provide temporary power and remove old hardware per ECN. This milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation according to WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

9/15/94
E. Biebesheimer
Cost Account Manager: Date:

9/16/94
J. D. Thomson
Program Element Manager: Date:

9/15/94
N. R. Croskrey
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

9/15/94
W. H. Bryant
Work Package Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: SY Diesel Generator - Install

SCHEDULE ID: N3T120C01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
08/26/96

MILESTONE CONTROL NO: T2C-96-404

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Manager

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of new SY diesel generator. This milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be in accordance with WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

W. H. Bryant 9/19/94
Work Package Manager: Date:

DOE Manager (acceptance): Date:

D4-53

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: T Complex Alarm - Turnover

SCHEDULE ID: N3T120F03M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.01

ADS NO: 1120-0
COMPLETION DATE:
02/4/97

MILESTONE CONTROL NO: T2C-96-406

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete testing and Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date:

SCHEDULE ID: N3T120F01M
REVISION: 0

ADS NO: 1120-0
COMPLETION DATE:
07/26/96

MILESTONE CONTROL NO: T2C-96-407.

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

```
[ ] TPA
[ ] DOE-HQ
[ ] DOE-RL
[X] CONTRACTOR
[ ] OTHER
```

[] REPORT
[X] LETTER
[] DRAWINGS
[] OTHER (SPECIFY)

```
[ ] DOE-HQ
[ ] DOE-RL
[X] OTHER (SPECIFY)
Program Element Manager
```

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of upgraded alarm panels and equipment. This milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be in accordance with WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer
E. Biebesheimer
Cost Account Manager: Date: 9/15/94

J. D. Thomson 9/16/94
Program Element Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

DOE Manager (agreement):

W. H. Bryant
W. H. Bryant
Work Package Manager: Date: 9/15/94

DOE Manager (acceptance): Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Tank Farm Instrumentation Upgrades Plan

SCHEDULE ID: N3T141AM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/30/96

MILESTONE CONTROL NO: T2C-96-440

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Prepare and update the Instrumentation Upgrades Plan WHC-SD-WM-WP-132 to revision 8. Revision to include work completed during FY 1996 funding and plans for FY 1997.

Acceptance Criteria

Release of Supporting Document by Engineering Document Control

Deliverables: (Describe the specific products or condition)

Supporting Document

C. P. Schroeder 9-15-94
Cost Account Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance). Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Instrument Upgrades/TMACS -
AP,AY,AZ, TX Tank Farms

SCHEDULE ID: N3T141BM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/30/96

MILESTONE CONTROL NO: T2C-96-441

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete construction and ATP for AP,AY,AZ, and TX Tank Farms TMACS installation.

Acceptance Criteria

Completion of ATP and turnover to Operations.

Deliverables: (Describe the specific products or condition)

Installation of TMACS per design.

R. P. Schroeder
C. P. Schroeder
Cost Account Manager: Date:

J. D. Thomson
J. D. Thomson
Program Element Manager: Date:

N. R. Crookrey
N. R. Crookrey
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: HDAT: Fully Operational in B,BX,BY,U
Tank Farms

SCHEDULE ID: N3T141GM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/30/96

MILESTONE CONTROL NO: T2C-96-442

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Installation and acceptance for use by Operations of the Handheld Data Acquisition for Tank Farms (HDAT) system in B,BX,BY,U tank farms.

Acceptance Criteria

Acceptance and operability tests of the system.

Deliverables: (Describe the specific products or condition)

Equipment, Operating Software, Design Documentation, User Procedures.

R. P. Schroeder 9-15-94
Cost Account Manager: Date:

N. R. Croskrey 9/15/94
Activity Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Upgrade Level Gauge Equipment -
28 Gauges

SCHEDULE ID: N3T141HM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/25/96

MILESTONE CONTROL NO: T2C-96-443

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Install upgraded level gauges in 28 tanks

Acceptance Criteria

Acceptance and Operational Test Procedures

Deliverables: (Describe the specific products or condition)

Installation of 28 Level Gauges

R. P. Schroeder 9/15/94
C. P. Schroeder

Cost Account Manager: Date:

N. R. Croskrey 9/15/94
N. R. Croskrey

Activity Manager: Date:

J. D. Thomson 9/16/94
J. D. Thomson

Program Element Manager: Date:

A. Hon 9/16/94
A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 15, 1994

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Tank Farm Instrumentation Upgrades Plan

SCHEDULE ID: N3T142AM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/30/97

MILESTONE CONTROL NO: T2C-97-445

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Prepare and update the Instrumentation Upgrades Plan WHC-SD-WM-WP-132 to revision 10. Revision to include work completed during FY 1997 funding and plans for FY 1998.

Acceptance Criteria

Release of Supporting Document by Engineering Document Control

Deliverables: (Describe the specific products or condition)

Supporting Document

C. P. Schroeder *R. P. Schroeder* 9-15-94
Cost Account Manager: Date:

N. R. Croskrey *N. R. Croskrey* 9/15/94
Activity Manager: Date:

J. D. Thomson *J. D. Thomson* 9/16/94
Program Element Manager: Date:

A. Hon *A. Hon* 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Instrument Upgrades/TMACS - B Farm

SCHEDULE ID: N3T142BM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/30/97

MILESTONE CONTROL NO: T2C-97-446

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete construction and ATP for B Farm TMACS installation.

Acceptance Criteria

Completion of ATP and turnover to Operations.

Deliverables: (Describe the specific products or condition)

Installation of TMACS per design.

R. P. Schroeder
C. P. Schroeder
Cost Account Manager: Date: 9-15-94

J. D. Thomson
J. D. Thomson
Program Element Manager: Date: 9/16/94

N. R. Croskrey
N. R. Croskrey
Activity Manager: Date: 9/15/94

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: HDAT: Fully Operational in
A,AN,AP,AW,AX,AY,AZ Tank Farms

SCHEDULE ID: N3T142GM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 9/30/97

MILESTONE CONTROL NO: T2C-97-447

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Installation and acceptance for use by Operations of the Handheld Data Acquisition for Tank Farms (HDAT) system in A,AN,AP,AW,AX,AY,AZ tank farms.

Acceptance Criteria

Acceptance and operability tests of the system.

Deliverables: (Describe the specific products or condition)

Equipment, Operating Software, Design Documentation, User Procedures.

C. P. Schroeder *9-15-94*
Cost Account Manager: Date:

J. D. Thomson *9/16/94*
Program Element Manager: Date:

N. R. Croskrey *9/15/94*
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Upgrade Level Gauge Equipment -
70 Gauges

SCHEDULE ID: N3T142HM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.06.03

ADS NO: 1120-0
COMPLETION DATE: 8/28/97

MILESTONE CONTROL NO: T2C-97-448

MILESTONE CLASS:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

DELIVERABLE:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Install upgraded level gauges in 70 tanks

Acceptance Criteria

Acceptance and Operational Test Procedures

Deliverables: (Describe the specific products or condition)

Installation of 70 Level Gauges

C. P. Schroeder
-C. P. Schroeder

Cost Account Manager: Date:

N. R. Croskrey
N. R. Croskrey

Activity Manager: Date:

J. D. Thomson
J. D. Thomson

Program Element Manager: Date:

A. Hon
A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

MDSs for W-314 TF Restoration/Safe Operations (1.1.1.2.03.07)

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE The Engineering Study/
Scope Statement For Project W-314C

SCHEDULE ID: N3F710A01
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
02/28/95

MILESTONE CONTROL NO: T2C-95-106

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-05-T01)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the Washington State Department of Ecology with the approved Project W-314C Engineering Study including scope statement.

Acceptance Criteria

The submittal of the Project W-314C Waste Transfer Engineering Study and scope statement to the Washington State Department of Ecology.

Deliverables: (Describe the specific products or condition)

The Project W-314C Engineering Study.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. C. Crawford 9/15/94
G. C. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

A. Horn 9/16/94
A. Horn
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE the Functions &
Requirements For Project W-314C

SCHEDULE ID: N3F710A02
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
04/30/95

MILESTONE CONTROL NO: T2C-95-107

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-05-T02)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the Washington State Department of Ecology with the approved Project W-314C Function and Requirements.

Acceptance Criteria

The submittal of the approved Project W-314C Function and Requirements to the Washington State Department of Ecology.

Deliverables: (Describe the specific products or condition)

The Project W-314C Functions and Requirements document.

W. W. Rutherford 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Approve/Issue A-E/CM contract for
W-314 ACD/Title I Design

SCHEDULE ID: N3F710C04M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
09/1/95

MILESTONE CONTROL NO: T2C-95-501

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
A-E/CM Contractor

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Approve and issue the W-314 Architect-Engineer/Construction Management (A-E/CM) contract for ACD and Title I.

Acceptance Criteria

RL approval of the negotiated A-E/CM contract amount. NOTE: WHC plans to submit a request to RL for delegation of contract approval authority to WHC, following receipt of DOE-HQ approval authority delegation to RL.

Deliverables: (Describe the specific products or condition)

Approved A-E/CM contract.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION WASTE DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Issue Final W-314 Project Plan to RL
for Approval

SCHEDULE ID: N3F710L01J
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/95

MILESTONE CONTROL NO: T2C-95-502

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)
Tank Waste Projects Div.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Submit the final (WHC-approved) W-314 Project Plan to DOE-RL for approval.

Acceptance Criteria

WHC approval of the W-314 Project Plan and formal submittal of this document to RL.

Deliverables: (Describe the specific products or condition)

W-314 Project Plan, developed in accordance with DOE 4700.1, and ready for RL approval.

W. W. Rutherford 9/15/94
W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94
G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 15, 1994

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Issue W-314 Project Management Plan
to RL for Approval

SCHEDULE ID: N3F710L01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
07/31/95

MILESTONE CONTROL NO: T2C-95-503

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Issue final (WHC-approved) W-314 Project Management Plan (PMP) to DOE-RL for approval.

Acceptance Criteria

WHC approval of the W-314 Project Management Plan (PMP) and formal submittal of the PMP to RL for approval.

Deliverables: (Describe the specific products or condition)

WHC-approved W-314 Project Management Plan, developed in accordance with DOE 4700.1, and ready for approval by RL.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Receive DOE-HQ Project W-314A
Validation to request Congressional
Funding

SCHEDULE ID: N3F710L01N
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/95

MILESTONE CONTROL NO: T2C-95-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-04-T05)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Receive DOE-HQ project validation to request congressional funding for
subproject W-314A.

Acceptance Criteria

Receive formal notification from DOE-HQ of validation approval.

Deliverables: (Describe the specific products or condition)

A formal notification from DOE-HQ of Project W-314A validation approval.

W. W. Rutherford 9/15/94
Cost Account Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

A. Horn 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Approve W-314 Conceptual Design
Requirements Baseline (DRB)

SCHEDULE ID: N3F710E02M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
04/28/95

MILESTONE CONTROL NO: T2C-95-505

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☒ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☒ OTHER (SPECIFY)
Tank Farm Projects

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide WHC with copies of the W-314 conceptual design documentation for review and approval.

Acceptance Criteria

Formal submittal of the completed W-314 conceptual design documentation (Design Requirements Baseline) for WHC review/approval.

Deliverables: (Describe the specific products or condition)

The project will follow the guidance of the TWRS Systems Engineering Management Plan, and will produce a Design Requirements Baseline (DRB) package in place of a Conceptual Design Report. This package will be developed by LATA, and will be delivered to WHC for review and approval.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94
G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Receive DOE-HQ Project W-314B
Validation to request Congressional
Funding

SCHEDULE ID: N3F710L010
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/95

MILESTONE CONTROL NO: T2C-95-101

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-02-T06)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Receive DOE-HQ project validation to request congressional funding for
subproject W-314B.

Acceptance Criteria

Receive formal notification from DOE-HQ of validation approval.

Deliverables: (Describe the specific products or condition)

A formal notification from DOE-HQ of Project W-314B validation approval.

W. W. Rutherford 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Submit W-314 Validation Package to
DOE-RL

SCHEDULE ID: N3F710L01
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/95

MILESTONE CONTROL NO: T2C-95-509

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
Presentation Package

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Submit WHC approved validation package to DOE-RL.

Acceptance Criteria

Submission of project W-314 Validation Package to DOE-RL.

Deliverables: (Describe the specific products or condition)

Submit all WHC-approved project W-314 Validation Package to DOE-RL.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94
G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Issue W-314 Quality Assurance
Program Plan to RL for approval

SCHEDULE ID: N3F710PM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/95

MILESTONE CONTROL NO: T2C-95-510

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Issue the WHC-approved W-314 Quality Assurance Program Plan (QAPP) to RL for approval.

Acceptance Criteria

WHC approval of the W-314 QAPP document and formal submittal of the QAPP to RL for approval.

Deliverables: (Describe the specific products or condition)

WHC-approved QAPP, detailing the project's Quality Assurance requirements.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. E. Crawford 9/15/94
G. E. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Issue request to RL for approval of
A-E/CM letter order

SCHEDULE ID: N3F710C01M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/01/95

MILESTONE CONTROL NO: T2C-95-513

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Issue a letter to RL requesting approval of A-E/CM letter order (approval will permit the selected A-E/CM to begin work on ACD activities prior to finalization of contract negotiations).

Acceptance Criteria

WHC submittal to RL requesting approval of the A-E/CM letter order.

Deliverables: (Describe the specific products or condition)

Letter addressed to RL seeking approval of A-E/CM letter order.

W. W. Rutherford 9/15/94

Cost Account Manager: Date:

G. L. Crawford 9/15/94

Activity Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

NA

DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: RL Approve A-E/CM Letter Order

SCHEDULE ID: N3F710C02M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/01/95

MILESTONE CONTROL NO: T2C-95-514

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY).

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Receive DOE-RL approval of A-E/CM letter order (approval will permit the selected A-E/CM to begin work on ACD activities prior to finalization of contract negotiations).

Acceptance Criteria

Receive formal notification from DOE-RL approving the A-E/CM letter order.

Deliverables: (Describe the specific products or condition)

Letter addressed to WHC stating approval of A-E/CM letter order.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE and DOH
Project W-314B Conceptual Design
Report

SCHEDULE ID: N3F710E04M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/95

MILESTONE CONTROL NO: T2C-95-102

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-02A)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE and DOH

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the WDOE and DOH with copies of the approved W-314 conceptual design documentation (Design Requirements Baseline).

Acceptance Criteria

Formal submittal of the RL-approved W-314 conceptual design documentation (Design Requirements Baseline) in accordance with TPA milestone M-43-02A.

Deliverables: (Describe the specific products or condition)

The project will follow the guidance of the TWRS Systems Engineering Management Plan, and will produce a Design Requirements Baseline (DRB) package in place of a Conceptual Design Report.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94
G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE and DOH
Project W-314A Conceptual Design
Report

SCHEDULE ID: N3F710E05M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/95

MILESTONE CONTROL NO: T2C-95-015

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-04A)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE and DOH

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the WDOE and DOH with copies of the approved W-314 conceptual design documentation (Design Requirements Baseline).

Acceptance Criteria

Formal submittal of the RL-approved W-314 conceptual design documentation (Design Requirements Baseline) in accordance with TPA milestone M-43-04A.

Deliverables: (Describe the specific products or condition)

The project will follow the guidance of the TWRS Systems Engineering Management Plan, and will produce a Design Requirements Baseline (DRB) package in place of a Conceptual Design Report.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE The Project Conceptual
Design SOW for W-314C

SCHEDULE ID: N3F710A06
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/95

MILESTONE CONTROL NO: T2C-95-108

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-05-T03)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the Washington State Department of Ecology with the approved statement of work for developing the W-314C conceptual design.

Acceptance Criteria

The submittal of the Project W-314 conceptual design statement of work to the Washington State Department of Ecology.

Deliverables: (Describe the specific products or condition)

The Project W-314 conceptual design statement of work, which describes to the requirements for preparation of the project's Design Requirements Baseline.

W. W. Rutherford 9/15/94
Cost Account Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Issue W-314 Preliminary Safety
Evaluation (PSE)

SCHEDULE ID: N3F710TM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/95

MILESTONE CONTROL NO: T2C-95-713

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Tank Farm Projects

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Issue the completed (WHC-approved) W-314 PSE report.

Acceptance Criteria

WHC approval of completed PSE for W-314 upgrades.

Deliverables: (Describe the specific products or condition)

A PSE document, prepared in accordance with WHC procedures, documenting the preliminary safety assessment of the Project W-314 upgrades. The PSE document will include a Hazard Classification and Preliminary Safety Equipment List for the project.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE The Engineering Study/
Scope Statement For Project W-314D

SCHEDULE ID: N3F710A03
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
02/28/96

MILESTONE CONTROL NO: T2C-96-105

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-06-T01)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the Washington State Department of Ecology with the approved Project W-314D Engineering Study including scope statement.

Acceptance Criteria

The submittal of the Project W-314D Electrical Upgrade Engineering Study to the Washington State Department of Ecology.

Deliverables: (Describe the specific products or condition)

The Project W-314D Engineering Study.

W. W. Rutherford 9/15/94
Cost Account Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE the Functions &
Requirements For Project W-314D

SCHEDULE ID: N3F710A04
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
04/30/96

MILESTONE CONTROL NO: T2C-96-106

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-06-T02)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the Washington State Department of Ecology with the approved Project W-314D Functions and Requirements.

Acceptance Criteria

The submittal of the approved Project W-314D Functions and Requirements to the Washington State Department of Ecology.

Deliverables: (Describe the specific products or condition)

The Project W-314D Functions and Requirements documents.

W. W. Rutherford 9/15/94
Cost Account Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

J. D. Thomson 9/15/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Start Definitive Design for
Project W-314A

SCHEDULE ID: N3F720W00
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
01/31/96

MILESTONE CONTROL NO: T2C-96-101

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-04-T06)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
A-E/CM Contractor

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Authorization to Architect-Engineer/Construction Management (A-E/CM)
contractor to start Definitive Design work for subproject W-314A.

Acceptance Criteria.

Official WHC authorization for A-E/CM contractor to begin W-314 Title I design
work.

Deliverables: (Describe the specific products or condition)

Letter from WHC authorizing start of Title I work.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 15, 1994

D4-83

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Approve Key Decision 1 (KD-1) for
Project W-314

SCHEDULE ID: N3F720W
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
12/01/95

MILESTONE CONTROL NO: T2C-96-511

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

DOE-HQ approval of Key Decision 1 authorizing the start of Preliminary Design (Title I).

Acceptance Criteria

RL/WHC receipt of KD-1 approval from DOE-HQ.

Deliverables: (Describe the specific products or condition)

Letter from DOE-HQ authorizing the start of Title I work for Project W-314.

W. W. Rutherford 9/5/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/5/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/5/94

J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE and DOH
Project W-314C Conceptual Design
Report

SCHEDULE ID: N3F710E06M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/96

MILESTONE CONTROL NO: T2C-96-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-05A)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE and DOH

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the WDOE and DOH with copies of the approved W-314 conceptual design documentation (Design Requirements Baseline).

Acceptance Criteria

Formal submittal of the RL-approved W-314 conceptual design documentation (Design Requirements Baseline) in accordance with TPA milestone M-43-05A.

Deliverables: (Describe the specific products or condition)

The project will follow the guidance of the TWRS Systems Engineering Management Plan, and will produce a Design Requirements Baseline (DRB) package in place of a Conceptual Design Report.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94
G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

September 15, 1994

D4-85

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE The Project Conceptual
Design SOW for W-314D

SCHEDULE ID: N3F710A09
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/96

MILESTONE CONTROL NO: T2C-96-107

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-06-T03)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the Washington State Department of Ecology with the approved statement of work for developing the W-314D conceptual design.

Acceptance Criteria

The submittal of the Project W-314 conceptual design statement of work to the Washington State Department of Ecology.

Deliverables: (Describe the specific products or condition)

The Project W-314 conceptual design statement of work, which describes the requirements for preparation of the projects's Design Requirements Baseline.

W. W. Rutherford 9/15/94

Cost Account Manager: Date:

G. E. Crawford 9/15/94

Activity Manager: Date:

J. D. Thomson 9/15/94

Program Element Manager: Date:

A. Hon 9/16/94

DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Receive DOE-HQ Project W-314C
Validation to request Congressional
Funding

SCHEDULE ID: N3F710L01P
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/96

MILESTONE CONTROL NO: T2C-96-103

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-05-T06)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)
Presentation

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Receive DOE-HQ project validation to request congressional funding for
subproject W-314C.

Acceptance Criteria

Receive formal notification from DOE-HQ of validation approval.

Deliverables: (Describe the specific products or condition)

A formal notification from DOE-HQ of Project W-314C validation approval.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Complete Title I Design

SCHEDULE ID: N3F720W02M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
1/31/97

MILESTONE CONTROL NO: T2C-97-507

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Tank Farm Projects (WHC)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Completion of the W-314 Preliminary Design (Title I) activity, performed by the A-E/CM contractor, culminating in a Preliminary Design Report (including cost estimates and schedules).

Acceptance Criteria

WHC receipt/approval of the A-E/CM's Preliminary Design Report and supporting documentation.

Deliverables: (Describe the specific products or condition)

Completed W-314 Preliminary Design Report (drawings, specifications, reports, plans, cost estimates, and schedules).

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

NA

DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Start W-314 Title II Design

SCHEDULE ID: N3F720X0
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
2/3/97

MILESTONE CONTROL NO: T2C-97-508

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
A-E/CM Contractor

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Approval of A-E/CM contract, authorizing the A-E/CM to perform W-314 Detailed Design (Title II); A-E/CM formally initiate work on the Title II effort.

Acceptance Criteria

Approved A-E/CM contract modification for the Title II work effort.

Deliverables: (Describe the specific products or condition)

Approved A-E/CM contract mod including the Title II work scope.

W. W. Rutherford 9/15/94
W. W. Rutherford

Cost Account Manager: Date:

G. L. Crawford 9/15/94
G. L. Crawford

Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson

Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Issue Final W-314 Preliminary Safety
Analysis Report (PSAR)

SCHEDULE ID: N3F722TM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/97

MILESTONE CONTROL NO: T2C-97-509

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR.
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Tank Farm Projects

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Issue the completed (WHC-approved) Preliminary Safety Analysis Report (PSAR) for Project W-314. NOTE: A determination may be made, following completion of the Preliminary Safety Evaluation process, that a PSAR is not required for this project, in which case, this milestone will be deleted.

Acceptance Criteria

WHC approval of final W-314 PSAR documentation.

Deliverables: (Describe the specific products or condition)

A PSAR document providing an analysis of the worst case tank farm accident scenarios to be considered by the design for Project W-314.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Approve Key Decision 2 (KD-2) for
Project W-314

SCHEDULE ID: N3F720X
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
12/13/96

MILESTONE CONTROL NO: T2C-97-512

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

DOE-HQ approval of Key Decision 2 authorizing the start of Detailed Design
(Title II).

Acceptance Criteria

RL/WHC receipt of KD-2 approval from DOE-HQ.

Deliverables: (Describe the specific products or condition)

Letter from DOE-HQ authorizing the start of Title II work for Project W-314.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Provide WDOE and DOH
Project W-314D Conceptual Design
Report

SCHEDULE ID: N3F710E07M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
05/31/97

MILESTONE CONTROL NO: T2C-97-107

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-06A)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WDOE and DOH

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Provide the WDOE and DOH with copies of the approved W-314 conceptual design documentation (Design Requirements Baseline).

Acceptance Criteria

Formal submittal of the RL-approved W-314 conceptual design documentation (Design Requirements Baseline) in accordance with TPA milestone M-43-06A.

Deliverables: (Describe the specific products or condition)

The project will follow the guidance of the TWRS Systems Engineering Management Plan, and will produce a Design Requirements Baseline (DRB) package in place of a Conceptual Design Report.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

G. L. Crawford 9/15/94
Activity Manager: Date:

J. D. Thomson 9/15/94
J. D. Thomson
Program Element Manager: Date:

A. Hong 9/16/94
A. Hong
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Start Definitive Design for
Project W-314B

SCHEDULE ID: N3F720X00
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
01/31/97

MILESTONE CONTROL NO: T2C-97-103

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-02-T07)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
A-E/CM Contractor

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Authorization to Architect-Engineer/Construction Management (A-E/CM)
contractor to start Definitive Design work for subproject W-314B.

Acceptance Criteria

Official WHC authorization for A-E/CM contractor to begin W-314 Title I design
work.

Deliverables: (Describe the specific products or condition)

Letter from WHC authorizing start of Title I work.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

A. Hong 9/16/94

A. Hong
DOE Manager (agreement): Date: 9/16/94

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Receive DOE-HQ Project W-314D
Validation to request Congressional
Funding

SCHEDULE ID: N3F710L01R
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.07.01

ADS NO: 1120-6
COMPLETION DATE:
06/30/97

MILESTONE CONTROL NO: T2C-97-106

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA (M-43-06-T06)
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Receive DOE-HQ project validation to request congressional funding for
subproject W-314D.

Acceptance Criteria

Receive formal notification from DOE-HQ of validation approval.

Deliverables: (Describe the specific products or condition)

A formal notification from DOE-HQ of Project W-314D validation approval.

W. W. Rutherford 9/15/94

W. W. Rutherford
Cost Account Manager: Date:

J. D. Thomson 9/15/94

J. D. Thomson
Program Element Manager: Date:

G. L. Crawford 9/15/94

G. L. Crawford
Activity Manager: Date:

A. Hon 9/16/94

A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

MDSs for Mechanical Upgrades (1.1.1.2.03.09)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-701-A Compressor - Install

SCHEDULE ID: N3K95012M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05ADS NO: 1120-0
COMPLETION DATE:
3/24/95

MILESTONE CONTROL NO: TW3-94-426

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
 (What work is specifically going to be done to accomplish this milestone)

Complete installation of new compressor. Providing temporary power and removal of old hardware may be required. Milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be according to WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer
 E. Biebesheimer 9/15/94
 Cost Account Manager: Date:

J. D. Thomson
 J. D. Thomson 9/16/94
 Program Element Manager: Date:

S. D. Riesenweber
 S. D. Riesenweber 9/15/94
 Activity Manager: Date:

A. Hong
 A. Hong 9/16/94
 DOE Manager (agreement): Date:

J. A. Crawford
 J. A. Crawford
 Work Package Manager Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Replace Compressed Air System in 10
Tank Farms

SCHEDULE ID: N3K9599M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE: 3/31/95

MILESTONE CONTROL NO: T2C-95-115

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☒ DOE-HQ SI 4b35
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☒ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

A FY-92 task team prioritized a listing of compressed air system upgrades for tank farms. The recommended upgrades included: 1) replacement compressor systems within existing facilities, 2) upgrade of the compressor cooling system (e.g., once through to closed loop cooling which also mitigated discharges to the soil column), 3) providing a dryer system for the compressed air system, 4) upgrade to the compressed air system philosophy so that the safety class of the compressed air system could be down-graded to achieve a more cost effective compressed air system. Actions to accomplish this task include: releasing drawings or ECNs, preparing supporting calculations, specifications, acceptance and operational testing, various operating and maintenance procedures, installing the hardware, and returning the hardware to Operations.

Ten compressed air system upgrades were selected for inclusion in a Safety Initiative. Seven of these system upgrades have been completed. The remaining three are scheduled for completion in FY 95. The seven completed systems are: AW Farm, SX-Farm, T-Farm, 241-CR, 242-S Evaporator, B/BX/BY Farm and U-Farm. The three remaining are as listed in the Interim milestones. Release of design media, completion of upgrades and turn over to operations of all 10 compressor systems will constitute completion of this milestone.

Interim Milestones:

- AP-Farm Compressor Upgrade - 03/24/95
- 242-T Evaporator, TX-Farm, and TY-Farm compressor upgrade - 03/24/95
- 701-A compressor upgrade - 03/30/95

Acceptance Criteria

Design media is completed in accordance with the Standard Engineering Practices (WHC-CM-6-1) and installation activities are controlled by the Tank Farm Administrative Manual (WHC-IP-0842). The equipment is then returned to service.

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Deliverables: (Describe the specific products or condition)

A letter that document actions taken to upgrade the 10 compressed air systems.

E. Biebesheimer 9/15/94
E. Biebesheimer
Cost Account Manager: Date:

J. D. Thomson 9/16/94
J. D. Thomson
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
S. D. Riesenweber
Activity Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Prepare Cold Test Facility for
Component Removal/Packaging/
Transport System Testing

SCHEDULE ID: N3K960107M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE:
9/29/95

MILESTONE CONTROL NO: T2C-95-117

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The Cold Test Facility will be changed to provide a Facility for mock-up, development, and testing of Long Length Contaminated Equipment for the Component Removal Equipment, Packaging System, and Transport System - collectively referred to as the Component Removal/Packaging/Transport System.

A determination of the mock-up requirements is included in the Alternative Options Study, WHC-SD-WM-ES-265, Section 5.4.

Acceptance Criteria

Completion of all required changes/modifications.

Deliverables: (Describe the specific products or condition)

Issue a letter to the Upgrades Program Element Manager verifying that planned changes are complete and the Cold Test Facility is ready for testing to begin.

B. R. Kemp B.R. Kemp 9/15/94
Cost Account Manager: Date:

J. D. Thomson J.D. Thomson 9/15/94
Program Element Manager: Date:

S. D. Riesenweber S.D. Riesenweber 9/25/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 14, 1994

D4-99

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Component Removal Equipment
Modifications - Final Design

SCHEDULE ID: N3K960301M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07
MILESTONE CONTROL NO: T2C-95-118

ADS NO: 1120-0
COMPLETION DATE:
3/30/95

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

(What work is specifically going to be done to accomplish this milestone)
This task will result in the further development of the flexible receiver assembly (FRA) currently being designed for use in Project W-151 at 101-AZ. It will have the capability of removing equipment directly into a flexible receiver, high pressure cleaning of equipment exterior, and assaying equipment to produce a dose rate and radiological constituent profile. Additional equipment will also be considered for internal flushing of components as they are removed from the tanks.

Design modifications will first be completed to allow the FRA to be used on risers in tank farms that are associated with TPA milestones and Operations requirements for the next 4-5 year period. These design modifications will serve two needs. First it will expand the FRA use to include 4"-6" and 42" risers in tank farms other than 241-AZ (Project W151 was limited to this application). Second, the new design will include intermediate size risers (between 6" & 42"). Together, these two design improvements produce a more "universal" or "generic" application. Design applications will not fit flanges with outside diameters greater than 50".

Acceptance Criteria:

Design approval by LLCE Design Team. Release of Final Design.

Deliverables: (Describe the specific products or condition)

Letter will be mailed to DOE-RL representative noting document release date.

B. R. Kemp *B. R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S. D. Riesenweber* 9/15/94
Activity Manager: Date:

A. Hon *A. Hon* 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-TX/TY Modular Compressor Design

SCHEDULE ID: N3K95041M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE:
12/22/94

MILESTONE CONTROL NO: T2C-95-119

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Manager

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Develop ECNs, drawings and related engineering documentation supporting the upgrade of 241-TX/TY compressed air system. Engineering calculation may be required. A task plan is required to coordinate this task.

Acceptance Criteria

A released design in accordance with WHC-CM-6-1.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

W. W. Jenkins
Work Package Manager: Date:
W.W. Jenkins 9/15/94

DOE Manager (acceptance): Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-TX/TY Modular Compressor -
Install

SCHEDULE ID: N3K95042M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE:
03/24/95

MILESTONE CONTROL NO: T2C-95-120

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of an upgraded compressor. Providing temporary compressed air and removal of old hardware may be required. Milestone includes completion of the Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be in accordance with WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

9/14/94 *E. Biebesheimer*
E. Biebesheimer

Cost Account Manager: Date:

S. D. Riesenweber 9/14/94
S. D. Riesenweber
Activity Manager: Date:

DOE Manager (acceptance) Date:

9/16/94
J. D. Thomson
J. D. Thomson
Program Element Manager: Date:

A. Hon 9/16/94
A. Hon
DOE Manager (agreement): Date:

J. A. Crawford 9/17/94
J. A. Crawford
Work Package Manager: Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-AP Closed Loop Cooling - Install

SCHEDULE ID: N3K950502M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE:
03/24/95

MILESTONE CONTROL NO: T2C-95-121

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete installation of new closed loop cooling system. Completion of testing is not part of this milestone. Providing temporary compressed air and removal of old hardware may be required. Milestone includes completion of Acceptance Testing but not the Operational Testing.

Acceptance Criteria

Installation must be in accordance with WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/14/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

A. Hong 9/16/94
DOE Manager (agreement) Date:

J. A. Crawford 9/16/94
Work Package Manager: Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 242-S Liquid Waste Minimization -
Install

SCHEDULE ID: N3K950902M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE:
06/23/95

MILESTONE CONTROL NO: T2C-95-122

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete Phase I installation of hardware to satisfy the 242-S Evaporator portion of TPA-M-17-08B. Phase I eliminates the effluent discharge while Phase II restores winterization to the fire protection system. Phase II is part of the same work package and finishes this fiscal year. This milestone includes completion of the Phase I Acceptance Testing but not the Operational Testing for new equipment.

Acceptance Criteria

Installation must be in accordance with WHC-IP-0842.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

DOE Manager (acceptance): Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

J. A. Crawford
Work Package Manager Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: (2) Containers for Packaging System
Completed and Delivered

SCHEDULE ID: N3K960503M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE:
9/29/95

MILESTONE CONTROL NO: T2C-95-126

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Upgrades Prog Elem Mgr

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Two containers for the Packaging System are to be completed and received by 09/29/95. Containers will be inspected for shipping damage.

Acceptance Criteria

Safe delivery of each container to their respective locations.

Deliverables: (Describe the specific products or condition)

When both containers have successfully arrived and inspections prove safe shipment, a letter will be issued to report that each container has arrived safely.

B. R. Kemp B R Kemp 9/15/94
Cost Account Manager: Date:

J.D. Thomson J.D. Thomson 9/15/94
Program Element Manager: Date:

S.D. Riesenweber S.D. Riesenweber 9/15/94
Activity Manager: Date:

N/A
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Complete Fabrication of 2 FRA
Modifications and Riser Adapters

SCHEDULE ID: N3K960303M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE: 9/29/95

MILESTONE CONTROL NO: T2C-95-127

MILESTONE CLASS:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

DELIVERABLE:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

ADDRESSED TO:

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete fabrication and testing of (2) FRA Platform Modifications and Riser Adapters and related equipment. Fabrication must be complete in time for the Component Removal/Packaging/Transport System QTP.

Acceptance Criteria

Fabrication and testing completed and approved by site QC inspectors

Deliverables: (Describe the specific products or condition)

Issue Letter to the Upgrades Program Element Manager signifying that all Modifications for the (2) assemblies are complete and available for the QTP.

B. R. Kemp *B. R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S. D. Riesenweber* 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

MILESTONE CONTROL NO: T2C-95-128

[] DOE-HQ
[] DOE-RL
[X] OTHER (SPECIFY)
Design Authority

mds.14

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-AP Closed Loop Cooling - Turnover

SCHEDULE ID: N3K950503M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE: 06/23/95

MILESTONE CONTROL NO: T2C-95-129

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete testing and Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
E. Biebesheimer
Cost Account Manager: Date:

J. D. Thomson 9/16/94
J. D. Thomson
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
S. D. Riesenweber
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

R. A. Dodd 9/19/94
R. A. Dodd
Work Package Manager: Date:

DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-T Compressor - Turnover

SCHEDULE ID: N3K9502M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05ADS NO: 1120-0
COMPLETION DATE:
02/24/95

MILESTONE CONTROL NO: T2C-95-130

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete Testing and Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-U Compressor - Turnover

SCHEDULE ID: N3K9503M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE:
02/24/95

MILESTONE CONTROL NO: T2C-95-131

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete Testing and Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement) Date:

DOE Manager (acceptance) Date:

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: 241-TX/TY Modular Compressor - Turnover

SCHEDULE ID: N3K95043M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05

ADS NO: 1120-0
COMPLETION DATE:
07/28/95

MILESTONE CONTROL NO: T2C-95-132

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete testing and the Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date:

mds.21

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: B/BX/BY Modular Compressor - Turnover

SCHEDULE ID: N3K9507M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.05ADS NO: 1120-0
COMPLETION DATE:
05/26/95

MILESTONE CONTROL NO: T2C-95-134

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Design Authority

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete testing and Acceptance for Beneficial Use (ABU) process.

Acceptance Criteria

Operations concurrence with ABU.

Deliverables: (Describe the specific products or condition)

Letter documenting completion date and describing products delivered.

E. Biebesheimer 9/15/94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

R. A. Dodd 9/19/94
Work Package Manager: Date:

DOE Manager (acceptance) Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Prototype Transfer Pump- Final Design

SCHEDULE ID: N3K970101M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.08ADS NO: 1120-0
COMPLETION DATE:
5/16/95

MILESTONE CONTROL NO: T2C-95-600

MILESTONE CLASS:

☐ TPA
☐ DOE-HQ
☒ DOE-RL
☐ CONTRACTOR
☐ OTHER

DELIVERABLE:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

(what work is specifically going to be done to accomplish this milestone)
 Specification WHC-S-0238, was written in FY 1994 to develop a new generation of transfer pump for use in the Tank Farm waste tanks based on the best available technology. The contract (Purchase Order MKH-SXP-342098) was awarded on May 16, 1994 to Westinghouse, Electro-Mechanical Division to develop a submersible transfer pump design. The pump has been commonly referred to as a "Prototype Transfer Pump" which is a misnomer. This initiative is not an R&D effort. It is a design effort which reconfigures existing pump technology for use in Hanford tanks.

The new pump will be designed for enhanced life cycle and ease of disposal to minimize the amount of waste generated at Tank Farms. The pump design shall be modular to allow for partial replacement of components and parts in the field or other facilities and shall allow for easy disassembly and decontamination. The pump shall be designed to allow for installation through a 12 inch riser. The pump riser mounting flange shall allow for modifications for installation in larger risers if needed. Design will interface with existing mounting frames, spool pieces, cover blocks, rigging, and jumpers required for generic use of a pump. A formal design review will be performed by WHC prior to acceptance of the final design.

Acceptance Criteria

Design will be approved by members of the Long-Length Contaminated Equipment Design Team consisting of WHC and ICF/KH personnel.

Deliverables: (Describe the specific products or condition)

A letter will be issued by the Upgrades Program Element Manager indicating completion of this activity.

B. R. Kemp *B. R. Kemp* 9/15/94

Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94

Program Element Manager: Date:

S. D. Riesenweber 9/15/94

Activity Manager: Date:

A. Hon 9/16/94

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 15, 1994

D4-114

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Complete Fabrication of Component
Removal Equipment

SCHEDULE ID: N3K960305M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE: 12/29/95

MILESTONE CONTROL NO: T2C-96-111

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete fabrication and testing of Component Removal Equipment.

Acceptance Criteria

Fabrication and testing completed and approved by site QC inspectors

Deliverables: (Describe the specific products or condition)

Issue Letter to the Upgrades Program Element Manager signifying that all
Modifications are complete and equipment is ready for field use.

B. R. Kemp *B.R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J.D. Thomson* 9/15/94
Program Element Manager: Date:

S.D. Riesenweber 9/15/94
Activity Manager: Date:

N/A
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Additional Transport/Storage
Containers for the Packaging System
Delivered

SCHEDULE ID: N3K960505M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE:
12/29/95

MILESTONE CONTROL NO: T2C-96-113

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The additional Transport/Storage Containers for the Packaging System will be delivered to WHC for Receiving & Inspection. Final quantity is dependant upon funding constraints.

Acceptance Criteria

Safe delivery of the containers to WHC.

Deliverables: (Describe the specific products or condition)

Issue letter to report that the containers have arrived at WHC Receiving & Inspection.

B. R. Kemp *B.R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J.D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S.D. Riesenweber* 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Perform QTP on the Complete
Component Removal/Packaging/Transfer
System

SCHEDULE ID: N3K960109M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE:
12/29/95

MILESTONE CONTROL NO: T2C-96-114

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

A Qualification Test Procedure will be performed on all of the LLCE retrieval equipment. This test will ensure that all of the components will work together as a complete system. The equipment is to be tested at the Cold Test Facility in the 600 Area. There are also various mock-ups of Long-Length equipment, such as pumps and thermocouples, to simulate field equipment for use in testing. The whole system will include Component Removal Equipment (FRA & Related Equipment); The Packaging System (Transport/Storage Containers & Related Equipment); and, the Transfer System (Receiver Trailer & the Transport Trailer and related hardware).

Acceptance Criteria

Completion of the Qualification Test Procedure. Components must pass the test to the satisfaction of the LLCE Design Team.

Deliverables: (Describe the specific products or condition)

Issue letter stating that the QTP has been completed.

B. R. Kemp *B. R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S. D. Riesenweber* 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Receiver Trailer & Transport Trailer
Receiving & Inspection

SCHEDULE ID: N3K960707M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE:
10/31/95

MILESTONE CONTROL NO: T2C-96-115

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

After fabrication is complete, the Receiver Trailer and Transport Trailer will be shipped to WHC.

Acceptance Criteria

The LLCE Design Team will approve the shipping plan and the trailers must be received and inspected at WHC by 10/31/95.

Deliverables: (Describe the specific products or condition)

Issue letter to Program Element Manager stating the trailers and support equipment have been received and inspected.

B. R. Kemp *B.R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J.D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S.D. Riesenweber* 9/15/94
Activity Manager: Date:

N/A
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Complete Safety Analysis Report for
Packaging (SARP) Development and
Release Document

SCHEDULE ID: N3K960515M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07

ADS NO: 1120-0
COMPLETION DATE:
10/31/95

MILESTONE CONTROL NO: T2C-96-116

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Upgrades Program Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Complete development of SARPs for the family of containers used in the
Packaging System (Transport Containers).

Acceptance Criteria

Officially released SARPs.

Deliverables: (Describe the specific products or condition)

Issue letter to Upgrades Program Element Manager stating date of SARP release.

B. R. Kemp *B.R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J.D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S.D. Riesenweber* 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Prototype Transfer Pump- Receiving &
Inspection Complete

SCHEDULE ID: N3K970105M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.08

ADS NO: 1120-0
COMPLETION DATE:
2/14/96

MILESTONE CONTROL NO: T2C-96-117

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

The initial transfer pump will be fabricated and tested by Westinghouse Electro-Mechanical Division (Reference Purchase Order MKH-SXP-342098). Once all fabrication and testing is complete and accepted, the pump will be shipped to WHC for plant use. Before shipment, WHC will approve the shipping method. Upon arrival at WHC, the pump and all required documentation will be inspected to insure the pump was not damaged in shipment.

Acceptance Criteria

WHC Quality Control personnel will inspect the pump for damage during shipping. Key areas of inspection will be identified by the LLCE Design Team prior to shipment. A Receiving and Inspection Report will be completed by WHC Quality Control personnel.

Deliverables: (Describe the specific products or condition)
Issue letter to Program Element Manager indicating completion of Receipt & Inspection.

B. R. Kemp *B. R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S. D. Riesenweber* 9/15/94
Activity Manager: Date:

N/A
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-03, W-230, SST Ventilation
Upgrades Needs Assessment

SCHEDULE ID: N3K990BM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.10

ADS NO: 1120
COMPLETION DATE: 3/31/97

MILESTONE CONTROL NO: T2C-97-104

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☒ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Prepare a "Needs Assessment" for Project W-230, "Single Shell Tank Ventilation Upgrades."

Acceptance Criteria

Needs Assessment Complete

Deliverables: (Describe the specific products or condition)

A letter will be issued indicating completion of this milestone. A copy of the Needs Assessment Report will be attached.

J. L. Homan
Cost Account Manager: Date: 9-16-94

J. D. Thomson
Program Element Manager: Date: 9/16/94

S. D. Riesenweber
Activity Manager: Date: 9/14/94

A. Hon
DOE Manager (agreement): Date: 9/16/94

DOE Manager (acceptance) _____ Date _____

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEETTITLE: Component Removal Equipment-Design
of Tank Farm Cut-up EquipmentSCHEDULE ID: N3K960319M
REVISION: 0ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.07ADS NO: 1120-0
COMPLETION DATE:
9/30/97

MILESTONE CONTROL NO: T2C-97-110

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER☐ REPORT
☐ LETTER
☒ DRAWINGS
☐ OTHER (SPECIFY)☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Design of equipment cut up at tank farms. The design will address three concepts: 1) Removal of the top support plates with associated mounting hardware and/or drive motors. 2) Removal of the top section that has not been in contact with the tank waste. 3) Cut waste equipment into pieces for disposal in existing standard size drums, boxes, or other approved containers.

Acceptance Criteria

Completed design

Deliverables: (Describe the specific products or condition)

Letter to Upgrades Program Element Manager stating completion of design and release date.

B. R. Kemp 9/15/94
Cost Account Manager: Date:J. D. Thomson 9/15/94
Program Element Manager: Date:S. D. Riesenweber 9/15/94
Activity Manager: Date:NA
DOE Manager (agreement): Date:DOE Manager (acceptance)Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: Prototype Transfer Pump- Option #3 -
4 Plant Units Complete

SCHEDULE ID: N3K970111M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.09.08

ADS NO: 1120-0
COMPLETION DATE: 8/15/97

MILESTONE CONTROL NO: T2C-97-116

MILESTONE CLASS:

DELIVERABLE:

11) ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Program Element Mgr.

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Option #3 as identified on Purchase Order MKH-SXP-342098 is an option to procure four Submersible Transfer Pumps and associated hardware to be used as plant units. These units can be changed to reflect the data obtained from the Qualification Test performed by WHC at Hanford on the initial pump. Once fabrication is complete, these units will be delivered to WHC.

Acceptance Criteria

All four pumps are received at WHC receiving and inspection.

Deliverables: (Describe the specific products or condition)

A letter will be sent to the Program Element Manager stating that all four pumps have been received.

B. R. Kemp *B. R. Kemp* 9/15/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

S. D. Riesenweber *S. D. Riesenweber* 9/15/94
Activity Manager: Date:

N/A
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date

MDSs for W-030 Ventilation Upgrades (1.1.1.2.03.10)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-01A, Start Construction for W-030
Tank Farm Ventilation Upgrades

SCHEDULE ID: N3G24E1M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.10.01

ADS NO: 1120-2
COMPLETION DATE:
10/31/94

MILESTONE CONTROL NO: T2C-95-112

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

To start construction the following activities need to take place: letter of instruction to ICF-KH to start construction activities, mobilization of craft, procurement initiated for field items, construction work packages started, obtaining operations support personnel (HPTs and Operators) and in-farm excavation initiated.

Acceptance Criteria:

All the above items started and excavation proceeding in the farm.

Deliverables:

Letter to DOE-RL from WHC noting construction activities have been initiated by 10/31/94.

- K. A. Colosi *K. A. Colosi* 9/14/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

K. L. Morris *K. L. Morris* 9/14/94
Activity Manager: Date:

A. Hon *A. Hon* 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____

September 14, 1994

D4-125

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-01, Project W-030,
Tank Farm Ventilation
Upgrade

SCHEDULE ID: N3G24F5M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades

ADS NO: 1120-2

PROGRAM WBS DESIGNATOR:
1.1.1.2.03.10.01

COMPLETION DATE: 12/31/96

MILESTONE CONTROL NO: T2C-97-100

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☒ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter**	☒ DOE-RL
☐ DOE-RL	☐ Drawings	☐ Other (Specify)
☐ WHC Key	☐ Other (Specify)	_____

Description and what constitutes completion of this commitment:

Project W-030 will replace the ventilation system for the AY and AZ Tank Farm. This project will provide the essential safety class systems for the AY and AZ Tank Farms to provide safe and efficient storage of radioactive liquid high-level waste. Upgrades and improvements will be made to the ventilation and cooling, electrical standby power and instrumentation/control systems.

Acceptance Criteria:

Completion of M-43-01C, "Begin Operations". This last interim milestone will complete the requirements of M-43-01.

Deliverables:

Complete Definitive Design, Start Construction, Complete Construction, Begin Operations

** One letter will be written to document completion of M-43-01C, "Begin Operations. Included in this letter, will be notification of completion of the entire milestone M-43-01, "Project W-030 Tank Farm Ventilation Upgrade".

K. A. Colosi

Cost Account Manager: Date: 9/14/94

J. D. Thomson

Program Element Manager: Date: 9/15/94

K. L. Morris

Activity Manager: Date: 9/14/94

A. Hon

DOE Monitor: Date: 9/16/94

DOE Manager (acceptance) Date

September 14, 1994

D4-126

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-01B, Complete Construction SCHEDULE ID: N3G24E3M
for W-030 Tank Farm Ventilation REVISION: 0
Upgrades

ASSIGNED TO: Tank Farm Upgrades

ADS NO: 1120-2

PROGRAM WBS DESIGNATOR:
1.1.1.2.03.10.01

COMPLETION DATE: 10/31/96

MILESTONE CONTROL NO: T2C-97-101

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-RL

☐ Drawings

☐ Other (Specify)

☐ WHC Key

☐ Other (Specify)

Description and what constitutes completion of this commitment:

Completion of construction will include the physical installation of the following subsystems: ventilation and recirculation systems, the ventilation, diesel generator and control buildings and all hardware associated with these subsystems. Ties directly into the tanks will be part of the startup milestone since these tie-ins begin operations and the old system is no longer functional.

Acceptance Criteria:

All Construction acceptance testing is completed.

Deliverables:

The new systems will be ready to commence startup activities, i.e., operational testing. A formal letter written by WHC to DOE-RL noting completion of the construction scope will be forwarded by 10/31/96.

K. A. Colosi *K. A. Colosi* 9/14/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

K. L. Morris *K. L. Morris* 9/14/94
Activity Manager: Date:

A. Hon *A. Hon* 9/16/94
DOE Monitor: Date:

DOE Manager (acceptance) Date

September 14, 1994

D4-127

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-01C, W-030 Tank Farm Ventilation
Upgrades, Begin Operations

SCHEDULE ID: N3G24F4M
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.10.01

ADS NO: 1120-2
COMPLETION DATE:
12/31/96

MILESTONE CONTROL NO: T2C-97-102

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

To place the new ventilation/recirculation system into operations, construction of all subsystems and associated hardware must be installed and tested. The old system must be taken out of service and the new system tied into each tank. Operational Readiness must be completed along with all operational testing.

Acceptance Criteria

Operational testing completed and approval from operations and DOE-RL to make final tie-ins to startup.

Deliverables: New aging waste ventilation system operating. Letter to DOE-RL from WHC noting operational status by 12/31/96.

K. A. Colosi K. A. Colosi 9/14/94
Cost Account Manager: Date:

J. D. Thomson J. D. Thomson 9/15/94
Program Element Manager: Date:

K. L. Morris K. L. Morris 9/14/94
Activity Manager: Date:

A. Hon A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 14, 1994

D4-128

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: W-030 Tank Farm Ventilation Upgrades,
Complete FSAR

SCHEDULE ID: N3G24B7
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.10.01

ADS NO: 1120-2
COMPLETION DATE:
12/31/96

MILESTONE CONTROL NO: T2C-97-117

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
Released

Description and what constitutes completion of this commitment:
W-030 will have to complete the Safety Analysis for the new ventilation and recirculation system prior to startup. The current Project PSAR for the project will be revised to incorporate the final safety analysis for the new system.

Acceptance Criteria

The FSAR will be drafted and reviewed in FY 1995. Prior to the system coming on line in 12/96, the FSAR will be reviewed again against any construction changes and then obtain review and approvals with project and support personnel.

Deliverables: Specific deliverable will be the completed and approved FSAR released as a supporting document.

K. A. Colosi *K. A. Colosi* 9/14/94
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 9/15/94
Program Element Manager: Date:

K. L. Morris *K. L. Morris* 9/14/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 14, 1994

D4-129

MDSs for W-058 Cross-Site Transfer System (1.1.1.2.03.11)

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
WASTE TANK SAFETY AND OPERATIONS PROGRAM
FY94

MILESTONE DESCRIPTION SHEET

TITLE: W-058 Concurrence Obtained for DATE: 11/19/93
Crossing REVISION: 0

ASSIGNED TO: Tank Farm Upgrades ADS NO: 1120-4-0H
PROGRAM WBS DESIGNATOR: 1.1.1.3.8 COMPLETION DATE: 9/29/94
MILESTONE CONTROL NO: TW3-94-415 FDS CODE: 1N3H26

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-RL	☐ Drawings	☐ Other (Specify)
☒ WHC Key	☐ Other (Specify)	_____

Description and what constitutes completion of this commitment:

Statement of Work:

The new cross-site transfer lines will cross existing water and sewer lines. WHC Water and Steam Utilities requires that a courtesy review of the project design be performed when the crossing points are identified. Design documents will be submitted to this organization at that time so that these crossing points are reviewed and verified for potential problems prior to issuing final design.

- Deliverables:

Obtain a written concurrence of the crossing points from WHC Water and Steam Utilities.

G. L. Parsons *G. L. Parsons* 12/8/93
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 12-8-93
Program Element Manager: Date:

G. L. Parsons *G. L. Parsons* 12/8/93
Activity Manager: Date:

W. J. Mazorol
DOE Monitor: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
WASTE TANK SAFETY AND OPERATIONS PROGRAM
FY94

MILESTONE DESCRIPTION SHEET

TITLE: W-058 Transmit NOC to WA Dept. of Health DATE: 11/19/93
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades ADS NO: 1120-4-OH
PROGRAM WBS DESIGNATOR: 1.1.1.3.8 COMPLETION DATE: 9/30/94
MILESTONE CONTROL NO: TW3-94-418 FDS CODE: 1N3H26

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☒ DOE-RL	☐ Drawings	☐ Other (Specify)
☐ WHC Key	☐ Other (Specify)	_____

Description and what constitutes completion of this commitment:

Statement of Work:

The Notice of Construction (NOC) is a document that is required to be submitted to the Washington Department of Health (DOH) for requesting clean air permitting. This document describes the project, it's processes, provides a description of emissions that can be expected, and provides a description of the types of control equipment and monitoring systems that are planned to eliminate these emissions. The NOC will be transmitted to DOE-RL for submittal to the DOH in order to obtain the necessary permitting to begin construction. Approval from the DOH is required prior to starting construction, and is valid for a period of 18 months.

Deliverables:

Issue a transmittal letter to DOE-RL with the completed NOC.

G. L. Parsons *11/21/93* 12/8/93
Cost Account Manager: Date:

J. D. Thomson *12-8-93*
Program Element/Manager: Date:

G. L. Parsons *11/21/93* 12/8/93
Activity Manager: Date:

W. J. Mazorol *12/8/93*
DOE Monitor: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
WASTE TANK SAFETY AND OPERATIONS PROGRAM
FY94

MILESTONE DESCRIPTION SHEET

TITLE: W-058 Award Booster Pumps
Contract

DATE: 11/19/93
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades

ADS NO: 1120-4-0H

PROGRAM WBS DESIGNATOR: 1.1.1.3.8

COMPLETION DATE: 6/15/94

MILESTONE CONTROL NO: TW3-94-419

FDS CODE: 3N3H26

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-RL

☐ Drawings

☒ Other (Specify)

☒ WHC Key

☒ Other (Specify)

Offsite vendor (TBD)

Contract Award

Description and what constitutes completion of this commitment:

Statement of Work:

Procurement Activities for solicitation and evaluation of bids for the booster pumps precede the contract award for the pumps. The bid and award process includes activities to prepare the bid package, solicit, review and evaluate the bids, select the type of pump that will fulfill the requirements of the project, and award the contract to the selected vendor for the booster pumps.

Deliverables:

Issue the KEH Contract Award letter to the selected vendor.

G. L. Parsons GL Parsons 12/8/93
Cost Account Manager: Date:

J. D. Thomson J.D. Thomson 12-8-93
Program Element Manager: Date:

G. L. Parsons GL Parsons 12/8/93
Activity Manager: Date:

W. J. Mazorol W.J. Mazorol 12/8/93
DOE Monitor: Date:

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-07-T01, Complete Definitive
Design for Project W-058

SCHEDULE ID: N3H26PCM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.3.11.01

ADS NO: 1120-4
COMPLETION DATE:
08/31/95

MILESTONE CONTROL NO: T2C-95-109

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)
This milestone indicates completion of Definitive Design. The Project will provide approved Title II design media that will document the completion of Definitive Design. The notice of completion of Definitive Design to DOE-RL by letter will constitute completion of this milestone.

Acceptance Criteria

All design media approved by A/E and WHC

Deliverables: (Describe the specific products or condition)

Letter to DOE-RL indicating completion of Definitive Design and to WHC Environmental for TPA notification

G. L. Parsons
G. L. Parsons
Cost Account Manager: Date: 9-16-94

J. D. Thomson
J. D. Thomson
Program Element Manager: Date: 9/16/94

S. D. Riesenweber
S. D. Riesenweber
Activity Manager: Date: 9/15/94

A. Horn
A. Horn
DOE Manager (agreement): Date: 9/16/94

DOE Manager (acceptance)

Date

September 15, 1994

D4-134

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-07A, Start Construction of W-058

SCHEDULE ID: N3H26PGM

REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.3.11.01

ADS NO: 1120-4
COMPLETION DATE:
11/30/95

MILESTONE CONTROL NO: T2C-96-110

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☒ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

(What work is specifically going to be done to accomplish this milestone)
Start Construction of W-058, Cross-Site Transfer System. Project W-058 will provide encased pipelines to connect the SY Tank Farm in the 200 West Area with the 200 East Area tank farms by way of its interface with the 244-A Lift Station. The system will replace parts of the existing cross site transfer system which are nearing the end of their useful life and portions which are not in compliance with current codes and regulations.

Acceptance Criteria

Granting of Key Decision 3 (KD3)

Deliverables: (Describe the specific products or condition)

A letter will be issued to DOE-RL and WHC Environmental (for TPA notification) indicating completion of this milestone.

G. L. Parsons 9-16-94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/25/94
Activity Manager: Date:

A. Hon 9/16/94
DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 15, 1994

D4-135

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: W-058, Issue Title II design media
for WHC review and approval

SCHEDULE ID: N3H26PAM
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.3.11.01

ADS NO: 1120-4
COMPLETION DATE: 06/01/95

MILESTONE CONTROL NO: T2C-95-410

MILESTONE CLASS:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

DELIVERABLE:

☐ REPORT
☐ LETTER
☒ DRAWINGS
☒ OTHER (SPECIFY)
Construction Specs

ADDRESSED TO:

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)
WHC

Description and what constitutes completion of this commitment:

(What work is specifically going to be done to accomplish this milestone)
The onsite A/E is required to furnish Title II design media at the completion of Definitive Design. Completion of this milestone will be the date the last design media is received by WHC issued for approval by the A/E.

Acceptance Criteria

Title II design media signed off by the A/E

Deliverables: (Describe the specific products or condition)

Completed construction drawings and specifications signed by the A/E.

G. L. Parsons 9-16-94
Cost Account Manager: Date:

J. D. Thomson 9/16/94
Program Element Manager: Date:

S. D. Riesenweber 9/15/94
Activity Manager: Date:

NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) Date

September 15, 1994

D4-136

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TITLE: M-43-07B, Complete Construction of W-058

SCHEDULE ID: N3H26PLA

REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.3.11.01

ADS NO: 1120-4
COMPLETION DATE:
08/31/97

MILESTONE CONTROL NO: T2C-97-108

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☒ TPA
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☒ DOE-HQ
☐ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)
Complete Construction of W-058, Cross-Site Transfer System. Project W-058 will provide encased pipelines to connect the SY Tank Farm in the 200 West Area with the 200 East Area tank farms by way of its interface with the 244-A Lift Station. The system will replace parts of the existing cross site transfer system which are nearing the end of their useful life and portions which are not in compliance with current codes and regulations.

Acceptance Criteria

Successful completion of Acceptance Test Procedures (ATPs)

Deliverables: (Describe the specific products or condition)

A letter will be issued to DOE-RL and WHC Environmental (for TPA notification) indicating completion of this milestone.

G. L. Parsons
G. L. Parsons

9-16-94

Cost Account Manager: Date:

J. D. Thomson
J. D. Thomson

Program Element Manager: Date:

S. D. Riesenweber
S. D. Riesenweber

9/15/94

Activity Manager: Date:

A. Hon
A. Hon

DOE Manager (agreement): Date:

DOE Manager (acceptance)

Date

September 15, 1994

D4-137

MDSs for W-028 Aging Waste Transfer Line (1.1.1.2.03.12)

WHC-SP-1101

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
WASTE TANK SAFETY AND OPERATIONS PROGRAM
FY94

MILESTONE DESCRIPTION SHEET

TITLE: W-028 Transmit NOC to WA
Department of Health

DATE: 11/19/93
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades

ADS NO: 1120-7-0M

PROGRAM WBS DESIGNATOR: 1.1.1.3.11

COMPLETION DATE: 9/30/94

MILESTONE CONTROL NO: TW3-94-411

FDS CODE: 1N3M81

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☒ DOE-RL

☐ Drawings

☐ Other (Specify)

☐ WHC Key

☐ Other (Specify)

Description and what constitutes completion of this commitment:

Statement of Work:

The Notice of Construction (NOC) is a document that is required to be submitted to the Washington Department of Health (DOH) for requesting clean air permitting. This document describes the project, it's processes, provides a description of emissions that can be expected, and provides a description of the types of control equipment and monitoring systems that are planned to eliminate these emissions. The NOC will be transmitted to DOE-RL for submittal to the DOH in order to obtain the necessary permitting to begin construction. Approval from the DOH is required prior to starting construction, and is valid for a period of 18 months.

Deliverables:

Issue a transmittal letter to DOE-RL with the completed NOC.

G. L. Parsons *GL Parsons* 12-8-93
Cost Account Manager: Date:

J. D. Thomson *J. D. Thomson* 12-8-93
Program Element Manager: Date:

G. L. Parsons *GL Parsons* 12-8-93
Activity Manager: Date:

W. J. Mazorol *W. J. Mazorol* 12/8/93
DOE Monitor: Date:

D4-139

WHC-SP-1101

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
WASTE TANK SAFETY AND OPERATIONS PROGRAM
FY94

MILESTONE DESCRIPTION SHEET

TITLE: W-028 Obtain Water & Steam
Utilities Concurrence

DATE: 11/19/93
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades

ADS NO: 1120-7-OM

PROGRAM WBS DESIGNATOR: 1.1.1.3.11

COMPLETION DATE: 9/30/94

MILESTONE CONTROL NO: TW3-94-414

FDS CODE: 1N3M81

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☐ DOE-RL

☐ DOE-RL

☐ Drawings

☒ Other (Specify)

☒ WHC Key

☐ Other (Specify)

WHC TWP

Description and what constitutes completion of this commitment:

Statement of Work:

The new aging waste transfer lines will cross existing water and sewer lines. WHC Water and Steam Utilities requires that a courtesy review of the project design be performed when the crossing points are identified. Design documents will be submitted to this organization at that time so that these crossing points are reviewed and verified for potential problems prior to issuing final design.

Deliverables:

Obtain a written concurrence of the crossing points from WHC Water and Steam Utilities.

G. L. Parsons G. L. Parsons 12-8-93
Cost Account Manager: Date:

J. D. Thomson J. D. Thomson 12-8-93
Program Element Manager: Date:

G. L. Parsons G. L. Parsons 12-8-93
Activity Manager: Date:

W. J. Mazorol
DOE Monitor: Date:

D4-140

WHC-SP-1101

MDSs for Facility Upgrades (1.1.1.2.03.16)

D4-141

WHC-SP-1101

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
WASTE TANK SAFETY AND OPERATIONS PROGRAM
FY94

MILESTONE DESCRIPTION SHEET

TITLE: Project W-322, 242-S
Substation Upgrade

DATE: 11/15/93
REVISION:0

ASSIGNED TO: Tank Farm Upgrades

ADS NO: 1120-0-0B

PROGRAM WBS DESIGNATOR: 1.1.1.3.2.2

COMPLETION DATE: 7/29/94

MILESTONE CONTROL NO: TW3-94-451

FDS CODE: 2N3B22

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA

☒ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-RL

☐ Drawings

☒ Other (Specify)

☒ WHC Key

☐ Other (Specify)

WHC

☐ Other

Description and what constitutes completion of this commitment:
Issuance of the Acceptance Test Report.

Statement of Work:

The 242-S Substation upgrade will replace the C8-S8 Substation that feeds power to the 242-S Bldg., the SY Tank Farm, and the new Hydrogen Mitigation Motor Control Center. The proposed scope includes: design, procurement of materials and equipment, installation of a new double-ended substation, performing the Acceptance Test Procedure, and issuance of the Acceptance Test Report. The Substation will be contained in a Butler building, which will be built on a concrete foundation. The project will also install a new section of 13.8kV overhead line (approximately 2,400 feet).

Deliverables:

Release Acceptance Test Report

J. B. Witt 12-8-93
Cost Account Manager: Date:

J. D. Thomson 12-8-93
Program Element Manager: Date:

J. L. Homan 12-8-93
Activity Manager: Date:

W. J. Mazorol
DOE Monitor: Date:

D4-142

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

WHC-SP-1101

TITLE: W-364, 209E Septic Upgrade OAC

SCHEDULE ID: N3B220C04
REVISION: 0

ASSIGNED TO: Tank Farm Upgrades
WBS DESIGNATOR: 1.1.1.2.03.16.03

ADS NO: 1120-0
COMPLETION DATE: 5/30/95

MILESTONE CONTROL NO: T2C-95-461

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR
☐ OTHER

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:
(What work is specifically going to be done to accomplish this milestone)

Project W-364 is a FY 94 General Plant Project that will complete construction in FY 95. Project W-364 will design and construct a new subsurface soil absorption system to replace the septic systems which currently serve the 209E, 276C, 2704C, 2718E, M0337, M0434, and M0543 facilities. The Official Acceptance of Construction (OAC), which constitutes completion of this commitment, will be executed with signatures in Section I and II.

Acceptance Criteria

Satisfactory completion of construction with only minor (if any) punchlist items remaining. OAC signatures constitute transfer of facility to the user/sponsor.

Deliverables: (Describe the specific products or condition)

-Section I and II of OAC signed.

D. T. Lott *DT Lott* 9/19/94
Cost Account Manager: Date:

J. D. Thomson *E. G. Hall for JDT*
Program Element Manager: Date: 9/19/94

NR Croskrey 9/19/94
Activity Manager: Date:

A. Hon NA
DOE Manager (agreement): Date:

DOE Manager (acceptance) _____ Date _____