

WBS No: 1BAC01DA
 Activity ID: 1BRSNM0217

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

WBS No: 1BAC01DA Title: Deactivation - 1st Floor Corridors
 Activity ID: 1BRSNM0217 Description: Deactivation - 1st Floor Cor. Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00ED12	Computer/Comm. Equipment Disposition	2.97	P1C	HC	1	3	88	0	0	88	42	131
2CB00ED13	Office Furniture Disposition	41.70	P1F	HC	1	40	1,026	0	0	1,026	489	1,515
2CHAADR01	Non-Classified Records Removal	0.03	each	EE	2,480	74	1,673	2,915	0	4,588	798	5,386
2CHAALL01	LL Organic Prod Equip/Fluid Removal	0.02	each	EE	1,800	36	737	652	0	1,389	351	1,740
2CHMTSTD1	Standard Maintenance Work Package	6.70	each	HC	175	1,171	29,228	25,956	0	55,183	13,942	69,125
2CMCR7105	Non Line Matl & Equip Removal	3.00	wk	EE	310	930	23,677	15,000	0	38,677	11,294	49,970
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	6,779	6,779	0	6,779
Total for Activity 1BRSNM0217:						2,254	56,428	44,523	6,779	107,730	26,916	134,646

Line Item 2CB00ED12 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment						
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal						
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey						

Line Item 2CB00ED13 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
<i>Factors</i> 0 Hazard Assessment						
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i> 0.3 Readiness/Removal						
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey						

Line Item 2CHAADR01 - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:

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Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	720.00	Hours
	Factors 80 days	9 hours per day (1 foreman)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1.440.00	Hours
	Factors 80 days	18 hours per day (2 process spec.)				
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	320.00	Hours
	Factors 80 days	4 hours per day				
	A52 TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	51.975.00	Dollars
	Factors 60 days	15.75 hours per day (1.75 Admin Support)		55 dollars per hour		
	A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	43.200.00	Dollars
	Factors 60 days	18 hours per day (2 Doc Control)		40 dollars per hour		
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2.000.00	Dollars
	Factors 2000 dollars					

Line Item 2CHAALL01 - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Matl Steward Steel Workers	Linear	1.800.00	Hours
	Factors 1800 Hours					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	31.591.00	Dollars
	Factors 31591 Dollars					
	A5H SUBCONTRACTED SRVS	S010 CHEMISTS	KB30S B707 Facility Disposition	Linear	1.020.00	Dollars
	Factors 1 chemist	12 Hours		85 Dollars per hour		

Line Item 2CHMTSTD1 - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
	Factors 10 HOURS					

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750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMCR7105 - Non Line Matl & Equip Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 Rad Engineer	15 Hours per week				
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 SME Tech Support	15 Hours per week				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
Factors	1 foreman	40 hours per week				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	150.00	Hours
Factors	5 process specialists	30 hours per week				
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Linear	30.00	Hours
Factors	1 RCT	30 Hours per week				
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	50.00	Hours
Factors	5 process specialists	10 hours per week				
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Linear	10.00	Hours
Factors	1 RCT	10 Hours per week				
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	5.000.00	Dollars
Factors	5000 Containers (Carros.Crates.& Drums)					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	4.090.21	Dollars
Factors	4090.21 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	2.688.76	Dollars
Factors	2688.77 Dollars					

WBS No: 1BAC01NM Title: SNM Holdup Removal - Corridors
Activity ID: 1BRSNM0216 Description: SNM Holdup Removal - 1st Floor Cor. Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMCR1520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMCR1530	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800
2CMCR1540	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	237	730
2CMCR1550	PREPARE RWP FOR CORRIDORS	1.00	each	EE	16	16	332	0	0	332	160	492
2CMCR3100	Corridors. Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,270	34,531
2CMCR6100	Corridors Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,507	22,949
2CMCR6300	Corridors Final Scans	2.00	each	EE	75	150	3,824	0	0	3,824	1,842	5,666
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	1,998	1,998	0	1,998
Total for Activity 1BRSNM0216:						1.470	35,429	12,915	1,998	50,342	17,053	67,395

Line Item 2CMCR1520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Verification that current and applicable procedures are in place prior to holdup removal activities.

Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.60	Hours
Factors	1.6 Hrs.					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
Factors	1.6 Hrs.					

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A57	LATA	P160	TECHNICAL WRITERS AND EDITOR	KB30S	B707 Facility Disposition	Linear	115.20	Dollars
<i>Factors</i>		1	Procedure Writer	1.6	hrs	72	dollars/hr.	

Line Item 2CMCR1530 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.

Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 800 dollars
 Basis for adjustment -

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
A52	TENERA	E080	NUCLEAR (CRITICALITY) ENGINEER	KB50S	B707 Env Envir. Sftv & Quality	Linear	800.00	Dollars
<i>Factors</i>		1	day/area	8	hrs/day	100	\$/hr.	

Line Item 2CMCR1540 - PERFORM ALARA REVIEW

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.

Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	14.40	Hours
<i>Factors</i>		9	hours/day (Rad Engineer)	1.6	days per module			

Line Item 2CMCR1550 - PREPARE RWP FOR CORRIDORS

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Prepare an RWP for holdup removal activities.

Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	16.00	Hours
<i>Factors</i>		16	Hrs.					

Line Item 2CMCR3100 - Corridors, Area 1

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities

Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228

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Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Davs	9	Hours per dav		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Davs	9	Hours per dav		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Davs	9	Hours per dav		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Davs	3	Hour per dav		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Davs	3	Hours per dav		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Davs	3	Hours per dav		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	6,000.00	Dollars
	Factors	6000	Dollars						

Line Item 2CMCR6100 - Corridors Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
	Factors	1	Foreman	4	Davs	9	Hours per dav		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	216.00	Hours
	Factors	6	Process Specialists	4	Davs	9	Hours per dav		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
	Factors	2	RCTs	4	Davs	9	Hours per dav		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						

WBS No: 1BAC01NM
 Activity ID: 1BRSNM0216

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
<i>Factors</i> 1 Foreman		4 Days		3 Hour per day				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
<i>Factors</i> 6 Process Spec		4 Days		3 Hours per day				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
<i>Factors</i> 2 RCTs		4 Days		3 Hours per day				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i> 6000 Dollars								

Line Item 2CMCR6300 - Corridors Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -
 Line item quantity reflects increase to final scan cold offices in support of MAA Closure.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
<i>Factors</i> 75 hours						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	1,179.82	Dollars
<i>Factors</i> 1179.82 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	818.24	Dollars
<i>Factors</i> 818,236 Dollars						

WBS No: 1BAC02DA Title: Deactivation - 2nd Floor
 Activity ID: 1BRSNM0311 Description: Deactivation - 2nd Floor & Cor.

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00ED22	Computer/Comm. Equipment Disposition	8.86	P1C	HC	1	9	264	0	0	264	86	349
2CB00ED23	Office Furniture Disposition	74.60	P1F	HC	1	71	1,835	0	0	1,835	597	2,432
2CHAADR02	Non-Classified Records Removal	0.06	each	EE	2,480	157	3,537	6,164	0	9,701	1,150	10,852
2CHAALL02	LL Organic Prod Equip/Fluid Removal	0.21	each	EE	1,800	379	7,746	6,859	0	14,606	2,519	17,125
2CHAASR02	Source Removal	0.05	each	EE	1,942	98	2,141	1,647	0	3,788	696	4,484
2CHMTMDD2	Modification Maintenance Package	11.70	ea	HC	349	4,087	99,030	216,927	0	315,957	32,208	348,165
2CMF27101	Non Line Matl & Equip Removal	10.00	wk	EE	310	3,100	78,922	50,000	0	128,922	25,668	154,590
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	123,564	123,564	0	123,564
Total for Activity 1BRSNM0311:						7.901	193,475	281,597	123,564	598,637	62,924	661,561

Line Item 2CB00ED22 - Computer/Comm. Equipment Disposition

BOE
 Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment						
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal						

WBS No: 1BAC02DA
 Activity ID: 1BRSNM0311

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey								

Line Item 2CB00ED23 - Office Furniture Disposition

BOE

Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear	0.00	Hours
<i>Factors</i> 0 Hazard Assessment								
750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP)	KB20H	B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i> 0.3 Readiness/Removal								
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey								

Line Item 2CHAADR02 - Non-Classified Records Removal

BOE

Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -

Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	720.00	Hours
<i>Factors</i> 80 days								
9 hours per day (1 foreman)								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1.440.00	Hours
<i>Factors</i> 80 days								
18 hours per day (2 process spec.)								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	320.00	Hours
<i>Factors</i> 80 days								
4 hours per day								
A52	TENERA	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	51.975.00	Dollars
<i>Factors</i> 60 days								
15.75 hours per day (1.75 Admin Support)								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	43.200.00	Dollars
<i>Factors</i> 60 days								
18 hours per day (2 Doc Control)								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2.000.00	Dollars
<i>Factors</i> 2000 dollars								

WBS No: 1BAC02DA
 Activity ID: 1BRSNM0311

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CHAALL02 - LL Organic Prod Equip/Fluid Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excellto Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H Matl Steward Steel Workers	Linear	1.800.00	Hours
<i>Factors</i>		1800	Hours				
A5C	SUPPLIES	0000	NONE	KB30S B707 Facility Disposition	Linear	31.591.00	Dollars
<i>Factors</i>		31591	Dollars				
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S B707 Facility Disposition	Linear	1.020.00	Dollars
<i>Factors</i>		1	chemist	12	Hours	85	Dollars per hour

Line Item 2CHAASR02 - Source Removal

BOE Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes
 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -
 Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
<i>Factors</i>		1	Foreman	6	weeks	40	Hours per week
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
<i>Factors</i>		1	Safeguard & Security	6	weeks	10	hours per week
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
<i>Factors</i>		961.1	Hours				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Enq Envir. Sftv & Quality	Linear	629.57	Hours
<i>Factors</i>		629.57	Hours				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
<i>Factors</i>		17.1	Hours				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Enq Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i>		34.2	Hours				

WBS No: 1BAC02DA
 Activity ID: 1BRSNM0311

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i> 2693.73 Dollars								
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i> 1 Alpha Group 416 Hours 72 Dollars per hours								

Line Item 2CHMTMDD2 - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 hours								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	40.00	Hours
<i>Factors</i> 40 hours								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	80.00	Hours
<i>Factors</i> 80 hours								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	80.00	Hours
<i>Factors</i> 80 hour								
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mamt & Maintenance	Linear	6.00	Hours
<i>Factors</i> 6 hours								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	40.00	Hours
<i>Factors</i> 40 Hours								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	3.20	Hours
<i>Factors</i> 3.2 Hours								
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	74.58	Dollars
<i>Factors</i> 1 engineer 1 hour 74.58 dollars per hour								
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	2,400.00	Dollars
<i>Factors</i> 1 engineer 40 hours per week 1 week 60 dollars per hour								
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	2,800.00	Dollars
<i>Factors</i> 1 engineer 40 hours 70 dollars per hour								
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	1,512.40	Dollars
<i>Factors</i> 1 engineer 20 hours 75.62 dollars per hour								

WBS No: 1BAC02DA
 Activity ID: 1BRSNM0311

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
Factors	2 planners		40 hours			68.25	dollars per hour	
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
Factors	1 engineer		20 hours			70.72	dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	2,081.70	Dollars
Factors	2081.7 dollars							
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facilitv Disposition	Linear	1,880.00	Dollars
Factors	1 engineer		20 hours			94	dollars per hour	
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
Factors	1 engineer		3 hours			77.9	dollars per hour	
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
Factors	1 engineer		10 hours			68.4	dollars per hour	

Line Item 2CMF27101 - Non Line Matl & Equip Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 Rad Engineer			15	Hours per week
750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 SME Tech Support			15	Hours per week
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
Factors	1 foreman			40	hours per week
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR /	KB30H B707 Facilitv Disposition	Linear	150.00	Hours
Factors	5 process specialists			30	hours per week
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	30.00	Hours
Factors	1 RCT			30	Hours per week
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR /	KB30H B707 Facilitv Disposition	Linear	50.00	Hours
Factors	5 process specialists			10	hours per week
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	10.00	Hours
Factors	1 RCT			10	Hours per week
A5C SUPPLIES	0000 NONE	KB30S B707 Facilitv Disposition	Linear	5,000.00	Dollars
Factors	5000 Containers (Carros.Crates.& Drums)				

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	78,985.02	Dollars
Factors	78985.0 Dollars				
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	44,578.82	Dollars
Factors	44578.8 Dollars				

WBS No: 1BAC02NM Title: SNM Holdup Removal - 2nd Floor
 Activity ID: 1BRSNM0211 Description: SNM Holdup Removal - 2nd Floor & Cor.

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTSTS2	Standard Maintenance Work Package	3.70	ea	HC	175	647	16,141	14,334	0	30,474	7,823	38,298
2CMF21100	Pre Scans	1.00	each	EE	42	42	1,071	0	0	1,071	519	1,589

WBS No: 1BAC02NM
 Activity ID: 1BRSNM0211

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

2CMF21520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	38	230	
2CMF21530	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800	
2CMF21540	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	239	731	
2CMF21550	PREPARE RWP FOR 2ND FLOOR	1.00	each	EE	16	16	332	0	0	332	161	493	
2CMF23100	2nd Floor Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,322	34,584	
2CMF26100	2nd Floor Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,538	22,980	
2CMF26300	2nd Floor Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	927	2,838	
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,718	1,718	0	1,718	
Total for Activity 1BRSNM0211:							2,083	50,728	27,249	1,718	79,695	24,567	104,262

Line Item 2CHMTSTS2 - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i>		10	HOURS					
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i>		21	hours					
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>		20	hours					
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>		20	hours					
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i>		8	HOURS					
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i>		6	HOURS					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mamt & Maintenance	Linear	2.00	Hours
<i>Factors</i>		2	HOURS					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i>		2	HOURS					
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i>		8	HOURS					
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i>		1.67	HOURS					
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i>		0.8	HOURS					
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i>		1.67	HOURS					

WBS No: 1BAC02NM
 Activity ID: 1BRSNM0211

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMF21100 - Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours

Factors 42 average hours per scan

Line Item 2CMF21520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Verification that current and aplicable procedures are in place prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.					
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.					
A57 LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20	Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.					

Line Item 2CMF21530 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.
 Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -

WBS No: 1BAC02NM
 Activity ID: 1BRSNM0211

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A52	TENERA	E080 NUCLEAR (CRITICALITY) ENGINEER	KB50S B707 Eng Envir. Sftv & Quality	Linear	800.00	Dollars
Factors	1 day/area	8 hrs/day		100 \$/hr.		

Line Item 2CMF21540 - PERFORM ALARA REVIEW

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
Factors	9 hours/day (Rad Engineer)	1.6 days per module				

Line Item 2CMF21550 - PREPARE RWP FOR 2ND FLOOR

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	16.00	Hours
Factors	16 Hrs.					

Line Item 2CMF23100 - 2nd Floor, Area 1

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC H. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs	9 hours				
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors	1 Foreman	9 hours				
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman	7 Days	9 Hours per day			

WBS No: 1BAC02NM
 Activity ID: 1BRSNM0211

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 Baseline Devl: 1BAC
 WBS Filter: *
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>		42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>		6	Process Specialists	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>		2	RCTs	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>		4	hours					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>		1	Foreman	7	Days	3	Hour per day	
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>		6	Process Spec	7	Days	3	Hours per day	
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>		2	RCTs	7	Days	3	Hours per day	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>		6000	Dollars					

Line Item 2CMF26100 - 2nd Floor Rework

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>		4	Filter Techs	9	hours			
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>		1	Foreman	9	hours			
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
<i>Factors</i>		1	Foreman	4	Days	9	Hours per day	
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>		42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
<i>Factors</i>		6	Process Specialists	4	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
<i>Factors</i>		2	RCTs	4	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>		4	hours					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
<i>Factors</i>		1	Foreman	4	Days	3	Hour per day	
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
<i>Factors</i>		6	Process Spec	4	Days	3	Hours per day	
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
<i>Factors</i>		2	RCTs	4	Days	3	Hours per day	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>		6000	Dollars					

Line Item 2CMF26300 - 2nd Floor Final Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in

WBS No: 1BAC02NM
 Activity ID: 1BRSNM0211

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear 75.00 Hours
<i>Factors</i> 75 hours						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear 1,014.65 Dollars
<i>Factors</i> 1014.65 Dollars						
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear 703.69 Dollars
<i>Factors</i> 703.686 Dollars						

WBS No: 1BAC0ADA Title: Deactivation - Mod A
 Activity ID: 1BRSNM0167 Description: Deactivation - Mod A Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDA2	Computer/Comm. Equipment Disposition	2.16	P1C	HC	1	2	64	0	0	64	31	95
2CB00EDA3	Office Furniture Disposition	10.60	P1F	HC	1	10	261	0	0	261	124	385
2CHAADR0A	Non-Classified Records Removal	0.06	each	EE	2,480	142	3,184	5,548	0	8,731	1,519	10,250
2CHAALL0A	LL Organic Prod Equio/Fluid Removal	0.07	each	EE	1,800	126	2,582	2,287	0	4,869	1,232	6,100
2CHAASR0A	Source Removal	0.15	each	EE	1,942	284	6,213	4,780	0	10,993	2,964	13,957
2CHMTSTDA	Standard Maintenance Work Package	8.50	ea	HC	175	1,485	37,080	32,929	0	70,009	17,687	87,696
2CMDA7102	Non Line Matl & Equio Removal	3.00	wk	EE	310	930	23,677	15,000	0	38,677	11,294	49,970
2CMDA7202	GB Line Contaminated Matl & Equio Removal	0.20	lot	EE	7,508	1,502	35,688	2,167	0	37,855	17,023	54,879
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	12,053	12,053	0	12,053
Total for Activity 1BRSNM0167:						4.481	108,748	62,710	12,053	183,512	51,873	235,384

Line Item 2CB00EDA2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear 0.20 Hours
<i>Factors</i> 0.2 Hazard Assessment						
750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP)	KB20H	B707 Facilities Management	Linear 0.20 Hours
<i>Factors</i> 0.2 Readiness/Removal						
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear 0.10 Hours
<i>Factors</i> 0.1 Material Handling						
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear 0.10 Hours
<i>Factors</i> 0.1 Administrative						
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear 0.20 Hours
<i>Factors</i> 0.2 Transportation						
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear 0.25 Hours
<i>Factors</i> 0.25 Administrative						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear 0.00 Hours
<i>Factors</i> 0 Rad Survey						

Line Item 2CB00EDA3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.

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 Activity ID: 1BRSNM0167

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
<i>Factors</i> 0 Hazard Assessment					
750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i> 0.3 Readiness/Removal					
750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative					
750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation					
750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survej					

Line Item 2CHAADR0A - Non-Classified Records Removal

BOE

Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	720.00	Hours
<i>Factors</i> 80 days					
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1 440.00	Hours
<i>Factors</i> 80 days					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	320.00	Hours
<i>Factors</i> 80 days					
A52 TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	51.975.00	Dollars
<i>Factors</i> 60 days					
A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	43.200.00	Dollars
<i>Factors</i> 60 days					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2.000.00	Dollars
<i>Factors</i> 2000 dollars					

Line Item 2CHAALL0A - LL Organic Prod Equip/Fluid Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0ADA
 Activity ID: 1BRSNM0167

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H	Matl Steward Steel Workers	Linear	1,800.00	Hours
<i>Factors</i>		1800	Hours					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	31,591.00	Dollars
<i>Factors</i>		31591	Dollars					
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear	1,020.00	Dollars
<i>Factors</i>		1	chemist	12	Hours	85	Dollars per hour	

Line Item 2CHAASR0A - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes

Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	240.00	Hours
<i>Factors</i>		1	Foreman	6	weeks	40	Hours per week	
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	60.00	Hours
<i>Factors</i>		1	Safeguard & Security	6	weeks	10	hours per week	
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	961.10	Hours
<i>Factors</i>		961.1	Hours					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	629.57	Hours
<i>Factors</i>		629.57	Hours					
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	17.10	Hours
<i>Factors</i>		17.1	Hours					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i>		34.2	Hours					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i>		2693.73	Dollars					
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i>		1	Alpha Group	416	Hours	72	Dollars per hours	

Line Item 2CHMTSTDA - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

WBS No: 1BAC0ADA
 Activity ID: 1BRSNM0167

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
	Factors 10 HOURS					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
	Factors 21 HOURS					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 HOURS					
	750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 HOURS					
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	750 STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facilitv Disposition	Linear	6.00	Hours
	Factors 6 HOURS					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Mamt & Maintenance	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Qualitv	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	751 OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	0.80	Hours
	Factors 0.8 HOURS					
	751 OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.72	Hours
	Factors 0.72 HOURS					
	751 OVERTIME BASE & PRE.	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	0.64	Hours
	Factors 0.64 HOURS					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Qualitv	Linear	0.16	Hours
	Factors 0.16 HOURS					
	751 OVERTIME BASE & PRE.	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	0.08	Hours
	Factors 0.08 HOURS					
	A57 LATA	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	3.400.00	Dollars
	Factors 2 Planners	20 Hours		85 Dollars per hour		
	A5C SUPPLIES	0000 NONE	KB30S B707 Facilitv Disposition	Linear	474.00	Dollars
	Factors 474 dollars					

Line Item 2CMDA7102 - Non Line Matl & Equip Removal

BOE	<p>Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Experience Item Desc - Non GB Material & Equipment Removal Breakdown of Cost Data: Item - Non GB Material & Equipment Removal Units - lot (weeks) Unit Cost - 310 Hrs / \$5,000 Unit Cost Adjustment factor - Revised Unit Cost - 310 Hrs / \$5,000</p>
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WBS No: 1BAC0ADA
 Activity ID: 1BRSNM0167

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 Rad Engineer	15 Hours per week				
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 SME Tech Support	15 Hours per week				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
Factors	1 foreman	40 hours per week				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	150.00	Hours
Factors	5 process specialists	30 hours per week				
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	30.00	Hours
Factors	1 RCT	30 Hours per week				
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	50.00	Hours
Factors	5 process specialists	10 hours per week				
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	10.00	Hours
Factors	1 RCT	10 Hours per week				
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	5,000.00	Dollars
Factors	5000 Containers (Cargos,Crates.& Drums)					

Line Item 2CMDA7202 - GB Line Contaminated Matl & Equip Removal

BOE
 Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -
 Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	420.00	Hours
Factors	350 Bag Cuts	1 foremen	1.2 hours per bag cut			
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	2,730.00	Hours
Factors	84 boxes	5 process specialists	6.5 hours per box			
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	875.00	Hours
Factors	350 BAG CUTS	5 Process Specialists	0.5 Hours per cut			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	350.00	Hours
Factors	350 bag cuts	2 RCTs	0.5 Hours			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	1,344.00	Hours
Factors	84 Boxes	2 RCTs	8 Hours per box			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	840.00	Hours
Factors	84 boxes	5 process specialists	2 hours per box			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	437.50	Hours
Factors	350 BAG CUTS	5 Process Specialists	0.25 Hours per cut			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	175.00	Hours
Factors	350 bag cuts	2 RCTs	0.25 Hours			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	336.00	Hours
Factors	84 Boxes	2 RCTs	2 Hours per box			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	10,836.00	Dollars
Factors	10836 Dollars					

WBS No: 1BAC0ADA
 Activity ID: 1BRSNM0167

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item SYS - Contingency And Escalation

BOE

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	7.356.73 Dollars
<i>Factors</i> 7356.73 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	4.696.16 Dollars
<i>Factors</i> 4696.16 Dollars							

WBS No: 1BAC0ANM Title: SNM Holdup Removal - Module A
 Activity ID: 1BRSNM0165 Description: SNM Holdup Removal - Module A

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMDSA	Modification Maintenance Package	4.80	ea	HC	349	1.677	40.628	88.996	0	129.623	19.710	149.333
2CHMTSTSA	Standard Maintenance Work Package	3.70	ea	HC	175	647	16.141	14.334	0	30.474	7.830	38.305
2CMDA3100	Module A. Area 1	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA3200	Module A. Area 2	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA3300	Module A. Area 3	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA3400	Module A. Area 4	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA3500	Module A. Area 5	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA4100	Module A. Area 6	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA4200	Module A. Area 7	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA4300	Module A. Area 8	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.332	34.593
2CMDA6100	Module A Rework	1.00	each	EE	481	481	11.442	6.000	0	17.442	5.544	22.986
2CMDA6300	Module A Final Scans	1.00	each	EE	75	75	1.912	0	0	1.912	927	2.839
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	7.240	7.240	0	7.240
Total for Activity 1BRSNM0165:						9.319	224.210	157.330	7.240	388.780	108.671	497.451

Line Item 2CHMTMDSA - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	18.00 Hours
<i>Factors</i> 18 hours							
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	36.00 Hours
<i>Factors</i> 36 hours							
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	40.00 Hours
<i>Factors</i> 40 hours							
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	36.00 Hours
<i>Factors</i> 36 hours							
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	80.00 Hours
<i>Factors</i> 80 hours							
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	80.00 Hours
<i>Factors</i> 80 hour							
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mgmt & Maintenance	Linear	6.00 Hours
<i>Factors</i> 6 hours							
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	40.00 Hours
<i>Factors</i> 40 Hours							

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i>		2.88 hours						
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i>		2.88 hours						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	3.20	Hours
<i>Factors</i>		3.2 Hours						
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
<i>Factors</i>		1 engineer		1 hour		74.58 dollars per hour		
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
<i>Factors</i>		1 engineer		40 hours per week		1 week		60 dollars per hour
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
<i>Factors</i>		1 engineer		40 hours		70 dollars per hour		
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
<i>Factors</i>		1 engineer		20 hours		75.62 dollars per hour		
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
<i>Factors</i>		2 planners		40 hours		68.25 dollars per hour		
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
<i>Factors</i>		1 engineer		20 hours		70.72 dollars per hour		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i>		2081.7 dollars						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i>		1 engineer		20 hours		94 dollars per hour		
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
<i>Factors</i>		1 engineer		3 hours		77.9 dollars per hour		
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
<i>Factors</i>		1 engineer		10 hours		68.4 dollars per hour		

Line Item 2CHMTSTA - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear		10.00	Hours
<i>Factors</i>		10 HOURS							
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear		18.00	Hours
<i>Factors</i>		18 HOURS							
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear		18.00	Hours
<i>Factors</i>		18 HOURS							
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear		21.00	Hours
<i>Factors</i>		21 hours							

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: *
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDA3100 - Module A, Area 1

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 4 Filter Techs 9 hours									
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i> 1 Foreman 9 hours									

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDA3200 - Module A, Area 2

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Line Item 2CMDA3300 - Module A, Area 3

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sfty & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sfty & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors	6000	Dollars						

Line Item 2CMDA3400 - Module A, Area 4

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDA3500 - Module A, Area 5

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units			
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLT TCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours	
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours	
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours	
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours	
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours	
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours	
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours	
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours	
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CMDA4100 - Module A, Area 6

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750		STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4	Filter Techs	9 hours				
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1	Foreman	9 hours				
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>	1	Foreman	7 Days	9 Hours per day			
750		STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42	hours	0 Funded by NDA Program (M/S)				
750		STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>	6	Process Specialists	7 Days	9 Hours per day			
750		STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sfty & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2	RCTs	7 Days	9 Hours per day			
750		STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4	hours					
751		OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1	Foreman	7 Days	3 Hour per day			
751		OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>	6	Process Spec	7 Days	3 Hours per day			
751		OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sfty & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2	RCTs	7 Days	3 Hours per day			
A5C		SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000	Dollars					

Line Item 2CMDA4200 - Module A, Area 7

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750		STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4	Filter Techs	9 hours				
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1	Foreman	9 hours				

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDA4300 - Module A, Area 8

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units			
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours	
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours	
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours	
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours	
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours	
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours	
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours	
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours	
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CMDA6100 - Module A Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	36.00	Hours
	Factors 1 Foreman	4 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	216.00	Hours
	Factors 6 Process Specialists	4 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Back Loaded	72.00	Hours
	Factors 2 RCTs	4 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
	Factors 4 hours					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	12.00	Hours
	Factors 1 Foreman	4 Days	3 Hour per day			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	72.00	Hours
	Factors 6 Process Spec	4 Days	3 Hours per day			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Max Backload	24.00	Hours
	Factors 2 RCTs	4 Days	3 Hours per day			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors 6000 Dollars					

Line Item 2CMDA6300 - Module A Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
	Factors 75 hours					

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units

WBS No: 1BAC0ANM
 Activity ID: 1BRSNM0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	4,275.28	Dollars
<i>Factors</i> 4275.28 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	2,965.02	Dollars
<i>Factors</i> 2965.02 Dollars								

WBS No: 1BAC0BDA Title: Deactivation - Mod B
 Activity ID: 1BRSNM0170 Description: Deactivation - Mod B Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDB2	Computer/Comm. Equipment Disposition	3.31	P1C	HC	1	3	98	0	0	98	47	145
2CB00EDB3	Office Furniture Disposition	18.40	P1F	HC	1	17	453	0	0	453	216	669
2CHAALLOB	LL Organic Prod Equip/Fluid Removal	0.09	each	EE	1,800	162	3,315	2,935	0	6,250	1,581	7,831
2CHAASROB	Source Removal	0.12	each	EE	1,942	225	4,906	3,774	0	8,680	2,340	11,020
2CHMTSTDB	Standard Maintenance Work Package	10.70	ea	HC	175	1,870	46,677	41,452	0	88,129	22,265	110,393
2CMDB7102	Non Line Matl & Equip Removal	5.00	wk	EE	310	1,550	39,461	25,000	0	64,461	18,823	83,284
2CMDB7203	GB Line Contaminated Matl & Equip Removal	0.19	lot	EE	7,508	1,426	33,904	2,059	0	35,963	16,172	52,135
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	14,327	14,327	0	14,327
Total for Activity 1BRSNM0170:						5.254	128.813	75.220	14.327	218.360	61.444	279.804

Line Item 2CB00EDB2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment						
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal						
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey						

Line Item 2CB00EDB3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
<i>Factors</i> 0 Hazard Assessment						
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i> 0.3 Readiness/Removal						
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative						

WBS No: 1BAC0BDA
 Activity ID: 1BRSNM0170

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
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Factors 0 Rad Survey

Line Item 2CHAALL0B - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Matl Steward Steel Workers	Linear	1.800.00	Hours
Factors 1800 Hours					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	31.591.00	Dollars
Factors 31591 Dollars					
A5H SUBCONTRACTED SRVS	S010 CHEMISTS	KB30S B707 Facility Disposition	Linear	1.020.00	Dollars
Factors 1 chemist 12 Hours 85 Dollars per hour					

Line Item 2CHAASR0B - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes
 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -
 Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
Factors 1 Foreman 6 weeks 40 Hours per week					
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
Factors 1 Safeguard & Security 6 weeks 10 hours per week					
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
Factors 961.1 Hours					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	629.57	Hours
Factors 629.57 Hours					
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
Factors 17.1 Hours					

WBS No: 1BAC0BDA
 Activity ID: 1BRSNM0170

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i> 34.2 Hours								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Faciltv Disposition	Linear	2,693.73	Dollars
<i>Factors</i> 2693.73 Dollars								
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Faciltv Disposition	Linear	29,952.00	Dollars
<i>Factors</i> 1 Alpha Group 416 Hours 72 Dollars per hours								

Line Item 2CHMTSTDB - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units	
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Faciltv Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	C210S	Facilities Mamt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								

WBS No: 1BAC0BDA
 Activity ID: 1BRSNM0170

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i>		0.64	HOURS					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i>		0.16	HOURS					
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i>		0.08	HOURS					
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i>		2	Planners	20	Hours	85	Dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i>		474	dollars					

Line Item 2CMDB7102 - Non Line Matl & Equip Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E080	NUCLEAR (CRITICALITY) ENGINEER	S100S	SSOC Salaried	Linear		15.00	Hours
<i>Factors</i>		1	Rad Engineer	15	Hours per week				
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear		15.00	Hours
<i>Factors</i>		1	SME Tech Support	15	Hours per week				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		40.00	Hours
<i>Factors</i>		1	foreman	40	hours per week				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		150.00	Hours
<i>Factors</i>		5	process specialists	30	hours per week				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear		30.00	Hours
<i>Factors</i>		1	RCT	30	Hours per week				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		50.00	Hours
<i>Factors</i>		5	process specialists	10	hours per week				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear		10.00	Hours
<i>Factors</i>		1	RCT	10	Hours per week				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear		5,000.00	Dollars
<i>Factors</i>		5000	Containers (Carros,Crates.& Drums)						

Line Item 2CMDB7203 - GB Line Contaminated Matl & Equip Removal

BOE

Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -
 Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		420.00	Hours
<i>Factors</i>		350	Bag Cuts	1	foremen	1.2	hours per bag cut		
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		2,730.00	Hours
<i>Factors</i>		84	boxes	5	process specialists	6.5	hours per box		

WBS No: 1BAC0BDA
 Activity ID: 1BRSNM0170

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707	Facilitv Disposition	Linear	875.00	Hours
Factors	350	BAG CUTS	5	Process Specialists	0.5	Hours per cut			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707	Eng Envir. Sftv & Quality	Linear	350.00	Hours
Factors	350	bag cuts	2	RCTs	0.5	Hours			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707	Eng Envir. Sftv & Quality	Linear	1,344.00	Hours
Factors	84	Boxes	2	RCTs	8	Hours per box			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707	Facilitv Disposition	Linear	840.00	Hours
Factors	84	boxes	5	process specialists	2	hours per box			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707	Facilitv Disposition	Linear	437.50	Hours
Factors	350	BAG CUTS	5	Process Specialists	0.25	Hours per cut			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707	Eng Envir. Sftv & Quality	Linear	175.00	Hours
Factors	350	bag cuts	2	RCTs	0.25	Hours			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707	Eng Envir. Sftv & Quality	Linear	336.00	Hours
Factors	84	Boxes	2	RCTs	2	Hours per box			
A5C	SUPPLIES	0000	NONE	KB30S	B707	Facilitv Disposition	Linear	10,836.00	Dollars
Factors	10836	Dollars							

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	8,745.02	Dollars
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	5,582.38	Dollars

Factors 8745.02 Dollars
 Factors 5582.38 Dollars

WBS No: 1BAC0BNM Title: SNM Holdup Removal - Module B
 Activity ID: 1BRSNM0168 Description: SNM Holdup Removal - Module B

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMDB0200	Module B Pre Scans	20.00	each	EE	42	840	21,412	0	0	21,412	10,449	31,860
Total for Activity 1BRSNM0168:						840	21,412	0	0	21,412	10,449	31,860

Line Item 2CMDB0200 - Module B Pre Scans

BOE

Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours

Factors 42 average hours per scan

Activity ID: 1BRSNMR168 Description: SNM Holdup Removal - Module B

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMDSB	Modification Maintenance Package	2.80	each	HC	349	978	23,699	51,914	0	75,614	11,465	87,078
2CHMTSTSB	Standard Maintenance Work Package	4.80	each	HC	175	839	20,939	18,595	0	39,534	10,129	49,664
2CMDB1520	Procedures Verification	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDB1530	Perform ALARA Review	1.00	each	EE	14	14	493	0	0	493	238	731
2CMDB1540	Prepare RWP for Module B	1.00	each	EE	16	16	332	0	0	332	161	493

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

2CMDB1550	Complete Safety Screen and PRC Approval	1.00	each	EE	0	0	0	800	0	800	0	800	
2CMDB3100	Module B. Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB3200	Module B. Area 2	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB3300	Module B. Area 3	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB3400	Module B. Area 4	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB4100	Module B. Area 5	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB4200	Module B. Area 6	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB4300	Module B. Area 7	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB4400	Module B. Area 8	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5100	Module B. Area 9	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5300	Module B. Area 10	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5400	Module B. Area 11	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5500	Module B. Area 12	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5600	Module B. Area 13	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5700	Module B. Area 14	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB5800	Module B. Area 15	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,305	34,566	
2CMDB6100	Module B Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,528	22,970	
2CMDB6300	Module B Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	925	2,837	
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	14,598	14,598	0	14,598	
Total for Activity 1BRSNMR168:							14,481	347,810	167,425	14,598	529,832	168,055	697,888

Line Item 2CHMTMSDB - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 hours					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 36 hours					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	40.00	Hours
	Factors 40 hours					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 36 hours					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	80.00	Hours
	Factors 80 hours					
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	80.00	Hours
	Factors 80 hour					
	750 STRAIGHT TIME BASE	P050 COMPLIANCE INSPECTORS	C210S Facilities Mamt & Maintenance	Linear	6.00	Hours
	Factors 6 hours					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	40.00	Hours
	Factors 40 Hours					
	751 OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	1.44	Hours
	Factors 1.44 hours					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	2.88	Hours
	Factors 2.88 hours					

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i>		2.88 hours						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	3.20	Hours
<i>Factors</i>		3.20 Hours						
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	74.58	Dollars
<i>Factors</i>		1 engineer 1 hour 74.58 dollars per hour						
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	2,400.00	Dollars
<i>Factors</i>		1 engineer 40 hours per week 1 week 60 dollars per hour						
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	2,800.00	Dollars
<i>Factors</i>		1 engineer 40 hours 70 dollars per hour						
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	1,512.40	Dollars
<i>Factors</i>		1 engineer 20 hours 75.62 dollars per hour						
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
<i>Factors</i>		2 planners 40 hours 68.25 dollars per hour						
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	1,414.40	Dollars
<i>Factors</i>		1 engineer 20 hours 70.72 dollars per hour						
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i>		2081.7 dollars						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i>		1 engineer 20 hours 94 dollars per hour						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	233.70	Dollars
<i>Factors</i>		1 engineer 3 hours 77.9 dollars per hour						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sfty & Quality	Linear	684.00	Dollars
<i>Factors</i>		1 engineer 10 hours 68.4 dollars per hour						

Line Item 2CHMTSTSB - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i>		10 HOURS						
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18 HOURS						
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18 HOURS						
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i>		21 hours						
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18 HOURS						
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>		20 hours						

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDB1520 - Procedures Verification

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Verification that current and applicable procedures are in place prior to holdup removal activities.

Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.60 Hours
<i>Factors</i> 1.6 Hrs.					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60 Hours
<i>Factors</i> 1.6 Hrs.					
A57	LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20 Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.					

Line Item 2CMDB1530 - Perform ALARA Review

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	14.40 Hours
Factors		9	hours/day (Rad Engineer)	1.6	days per module		

Line Item 2CMDB1540 - Prepare RWP for Module B

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	16.00 Hours
Factors		16	Hrs.				

Line Item 2CMDB1550 - Complete Safety Screen and PRC Approval

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.
 Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A52	TENERA	E080	NUCLEAR (CRITICALITY) ENGINEER	KB50S	B707 Eng Envir. Sftv & Quality	Linear	800.00 Dollars
Factors		1	day/area	8	hrs/day	100	\$/hr.

Line Item 2CMDB3100 - Module B, Area 1

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00 Hours
Factors		4	Filter Techs	9	hours		

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDB3200 - Module B, Area 2

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
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Factors 6000 Dollars

Line Item 2CMDB3300 - Module B, Area 3

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDB3400 - Module B, Area 4

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDB4100 - Module B, Area 5

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours			
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours			
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours					
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav	
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav	
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav	

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
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Factors 6000 Dollars

Line Item 2CMDB4200 - Module B, Area 6

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDB4300 - Module B, Area 7

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDB4400 - Module B, Area 8

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
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Factors 6000 Dollars

Line Item 2CMDB5100 - Module B, Area 9

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDB5300 - Module B, Area 10

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDB5400 - Module B, Area 11

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours			
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours			
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours					
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav	
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav	
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav	

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
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Factors 6000 Dollars

Line Item 2CMDB5500 - Module B, Area 12

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDB5600 - Module B, Area 13

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDB5700 - Module B, Area 14

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours			
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours			
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav	
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours					
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav	
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav	
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav	

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
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Factors 6000 Dollars

Line Item 2CMDB5800 - Module B, Area 15

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spec	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDB6100 - Module B Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				

WBS No: 1BAC0BNM
 Activity ID: 1BRSNMR168

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i> 1 Foreman 9 hours								
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
<i>Factors</i> 1 Foreman 4 Days 9 Hours per day								
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i> 42 hours 0 Funded by NDA Program (M/S)								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
<i>Factors</i> 6 Process Specialists 4 Days 9 Hours per day								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
<i>Factors</i> 2 RCTs 4 Days 9 Hours per day								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i> 4 hours								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
<i>Factors</i> 1 Foreman 4 Days 3 Hour per day								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
<i>Factors</i> 6 Process Spec 4 Days 3 Hours per day								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
<i>Factors</i> 2 RCTs 4 Days 3 Hours per day								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i> 6000 Dollars								

Line Item 2CMDB6300 - Module B Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
<i>Factors</i> 75 hours						

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	8,506.86	Dollars
<i>Factors</i> 8506.86 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	6,091.16	Dollars
<i>Factors</i> 6091.16 Dollars						

WBS No: 1BAC0GDA Title: Deactivation - Module C

Activity ID: 1BRSNM0174 Description: Deactivation - Module C

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDC2	Computer/Comm. Equipment Disposition	2.41	P1C	HC	1	3	72	0	0	72	34	106
2CB00EDC3	Office Furniture Disposition	12.20	P1F	HC	1	12	300	0	0	300	143	443
2CHAALL0C	LL Oroanic Prod Equip/Fluid Removal	0.25	each	EE	1,800	450	9,207	8,153	0	17,360	4,392	21,751
2CHAASR0C	Source Removal	0.12	each	EE	1,942	233	5,092	3,917	0	9,009	2,429	11,438
2CHMTSTDC	Standard Maintenance Work Packgae	10.70	each	HC	175	1,870	46,677	41,452	0	88,129	22,265	110,393
2CMDC7102	Non Line Matl & Equip Removal	4.00	wk	EE	310	1,240	31,569	20,000	0	51,569	15,058	66,627
2CMDC7202	GB Line Contaminated Matl & Equip Removal	0.15	lot	EE	7,508	1,126	26,766	1,625	0	28,391	12,767	41,159
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	13,356	13,356	0	13,356

WBS No: 1BAC0CDA
 Activity ID: 1BRSNM0174

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Total for Activity 1BRSNM0174:

4.933	119,682	75,147	13,356	208,185	57,088	265,274
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Line Item 2CB00EDC2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
<i>Factors</i>	0.2 Hazard Assessment					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i>	0.2 Readiness/Removal					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i>	0.1 Material Handling					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i>	0.1 Administrative					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i>	0.2 Transportation					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i>	0.25 Administrative					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i>	0 Rad Survey					

Line Item 2CB00EDC3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
<i>Factors</i>	0 Hazard Assessment					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i>	0.3 Readiness/Removal					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i>	0.1 Material Handling					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i>	0.1 Administrative					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i>	0.2 Transportation					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i>	0.25 Administrative					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i>	0 Rad Survey					

Line Item 2CHAALL0C - LL Organic Prod Equip/Fluid Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excellto Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Matl Steward Steel Workers	Linear	1,800.00	Hours
<i>Factors</i>	1800 Hours					

WBS No: 1BAC0CDA
 Activity ID: 1BRSNM0174

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	31,591.00	Dollars
<i>Factors</i> 31591 Dollars								
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear	1,020.00	Dollars
<i>Factors</i> 1 chemist 12 Hours 85 Dollars per hour								

Line Item 2CHAASR0C - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes

 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

 Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
<i>Factors</i> 1 Foreman 6 weeks 40 Hours per week					
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURITY	S100S SSOC Salaried	Linear	60.00	Hours
<i>Factors</i> 1 Safeguard & Security 6 weeks 10 hours per week					
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
<i>Factors</i> 961.1 Hours					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	629.57	Hours
<i>Factors</i> 629.57 Hours					
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
<i>Factors</i> 17.1 Hours					
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i> 34.2 Hours					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i> 2693.73 Dollars					
A5H SUBCONTRACTED SRVS	0000 NONE	KB30S B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i> 1 Alpha Group 416 Hours 72 Dollars per hours					

Line Item 2CHMTSTDC - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0CDA
 Activity ID: 1BRSNM0174

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDC7102 - Non Line Matl & Equip Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -

WBS No: 1BAC0CDA
 Activity ID: 1BRSNM0174

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 Rad Engineer	15	Hours per week			
750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 SME Tech Support	15	Hours per week			
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
<i>Factors</i> 1 foreman	40	hours per week			
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	150.00	Hours
<i>Factors</i> 5 process specialists	30	hours per week			
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	30.00	Hours
<i>Factors</i> 1 RCT	30	Hours per week			
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	50.00	Hours
<i>Factors</i> 5 process specialists	10	hours per week			
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	10.00	Hours
<i>Factors</i> 1 RCT	10	Hours per week			
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	5,000.00	Dollars
<i>Factors</i> 5000 Containers (Cardos,Crates,& Drums)					

Line Item 2CMDC7202 - GB Line Contaminated Matl & Equip Removal

BOE

Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -

Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	420.00	Hours
<i>Factors</i> 350 Bag Cuts	1 foremen	1.2 hours per bag cut			
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	2,730.00	Hours
<i>Factors</i> 84 boxes	5 process specialists	6.5 hours per box			
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	875.00	Hours
<i>Factors</i> 350 BAG CUTS	5 Process Specialists	0.5 Hours per cut			
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	350.00	Hours
<i>Factors</i> 350 bag cuts	2 RCTs	0.5 Hours			
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	1,344.00	Hours
<i>Factors</i> 84 Boxes	2 RCTs	8 Hours per box			
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	840.00	Hours
<i>Factors</i> 84 boxes	5 process specialists	2 hours per box			
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	437.50	Hours
<i>Factors</i> 350 BAG CUTS	5 Process Specialists	0.25 Hours per cut			
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	175.00	Hours
<i>Factors</i> 350 bag cuts	2 RCTs	0.25 Hours			
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	336.00	Hours
<i>Factors</i> 84 Boxes	2 RCTs	2 Hours per box			
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	10,836.00	Dollars
<i>Factors</i> 10836 Dollars					

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0CDA
 Activity ID: 1BRSNM0174

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	8,058.34	Dollars
<i>Factors</i> 8058.34 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	5,297.27	Dollars
<i>Factors</i> 5297.27 Dollars								

WBS No: 1BAC0CNM Title: SNM Holdup Removal - Module C
 Activity ID: 1BRSNM0173 Description: SNM Holdup Removal - Module C Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMDSC	Modification Maintenance Package	7.00	ea	HC	349	2,445	59,249	129,785	0	189,034	28,636	217,670
2CHMTSTSC	Standard Maintenance Work Package	4.80	ea	HC	175	839	20,939	18,595	0	39,534	10,120	49,655
2CMDC0200	Module C Pre Scans	23.00	each	EE	42	966	24,623	0	0	24,623	11,901	36,524
2CMDC1527	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDC1540	PREPARE RWP FOR MODULE C	1.00	each	EE	16	16	332	0	0	332	160	492
2CMDC1542	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	238	731
2CMDC1551	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800
2CMDC3300	Module C. Area 3	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC3400	Module C. Area 4	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC4100	Module C. Area 5	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC4200	Module C. Area 6	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC4300	Module C. Area 7	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5100	Module C. Area 8	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5200	Module C. Area 9	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5300	Module C. Area 10	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5400	Module C. Area 11	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5500	Module C. Area 12	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5600	Module C. Area 13	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5700	Module C. Area 14	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC5800	Module C. Area 15	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,297	34,558
2CMDC6100	Module C Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,523	22,965
2CMDC6300	Module C Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	924	2,836
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	18,198	18,198	0	18,198
Total for Activity 1BRSNM0173:						15,304	369,460	233,296	18,198	620,954	178,397	799,351

Line Item 2CHMTMDSC - Modification Maintenance Package

BOE Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 hours						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	40.00	Hours
<i>Factors</i> 40 hours						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours						

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	80.00	Hours
<i>Factors</i> 80 hours								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	80.00	Hours
<i>Factors</i> 80 hour								
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mgmt & Maintenance	Linear	6.00	Hours
<i>Factors</i> 6 hours								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	40.00	Hours
<i>Factors</i> 40 Hours								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	3.20	Hours
<i>Factors</i> 3.2 Hours								
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
<i>Factors</i> 1 engineer 1 hour 74.58 dollars per hour								
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
<i>Factors</i> 1 engineer 40 hours per week 1 week 60 dollars per hour								
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
<i>Factors</i> 1 engineer 40 hours 70 dollars per hour								
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
<i>Factors</i> 1 engineer 20 hours 75.62 dollars per hour								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
<i>Factors</i> 2 planners 40 hours 68.25 dollars per hour								
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
<i>Factors</i> 1 engineer 20 hours 70.72 dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i> 2081.7 dollars								
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i> 1 engineer 20 hours 94 dollars per hour								
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
<i>Factors</i> 1 engineer 10 hours 68.4 dollars per hour								
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
<i>Factors</i> 1 engineer 3 hours 77.9 dollars per hour								

Line Item 2CHMTSTSC - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDC0200 - Module C Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours
<i>Factors</i> 42 average hours per scan						

Line Item 2CMDC1527 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Verification that current and aplicable procedures are in place prior to holdup removal activities.

Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.						
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.						
	A57 LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20	Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.						

Line Item 2CMDC1540 - PREPARE RWP FOR MODULE C

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Prepare an RWP for holdup removal activities.

Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	16.00	Hours
<i>Factors</i> 16 Hrs.						

Line Item 2CMDC1542 - PERFORM ALARA REVIEW

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.

Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
<i>Factors</i> 9 hours/day (Rad Engineer) 1.6 days per module						

Line Item 2CMDC1551 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS)	KB20H B707 Facilities Management	Linear	36.00	Hours
	<i>Factors</i> 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	<i>Factors</i> 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	<i>Factors</i> 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	<i>Factors</i> 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	<i>Factors</i> 6 Process Specialists	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Back Loaded	126.00	Hours
	<i>Factors</i> 2 RCTs	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
	<i>Factors</i> 4 hours					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
	<i>Factors</i> 1 Foreman	7 Days	3 Hour per day			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
	<i>Factors</i> 6 Process Spec	7 Days	3 Hours per day			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Max Backload	42.00	Hours
	<i>Factors</i> 2 RCTs	7 Days	3 Hours per day			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6.000.00	Dollars
	<i>Factors</i> 6000 Dollars					

Line Item 2CMDC4100 - Module C, Area 5

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS)	KB20H B707 Facilities Management	Linear	36.00	Hours
	<i>Factors</i> 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	<i>Factors</i> 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	<i>Factors</i> 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	<i>Factors</i> 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	<i>Factors</i> 6 Process Specialists	7 Days	9 Hours per day			

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC4200 - Module C, Area 6

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC4300 - Module C, Area 7

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	Factors 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	Factors 6 Process Specialists	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Back Loaded	126.00	Hours
	Factors 2 RCTs	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
	Factors 4 hours					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
	Factors 1 Foreman	7 Days	3 Hour per day			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
	Factors 6 Process Spec	7 Days	3 Hours per day			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Max Backload	42.00	Hours
	Factors 2 RCTs	7 Days	3 Hours per day			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors 6000 Dollars					

Line Item 2CMDC5100 - Module C, Area 8

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	Factors 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	Factors 6 Process Specialists	7 Days	9 Hours per day			

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC5200 - Module C, Area 9

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC5300 - Module C, Area 10

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	Factors 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	Factors 6 Process Specialists	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors 2 RCTs	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
	Factors 4 hours					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
	Factors 1 Foreman	7 Days	3 Hour per day			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
	Factors 6 Process Spec	7 Days	3 Hours per day			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors 2 RCTs	7 Days	3 Hours per day			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors 6000 Dollars					

Line Item 2CMDC5400 - Module C, Area 11

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	Factors 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	Factors 6 Process Specialists	7 Days	9 Hours per day			

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per dav			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per dav			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per dav			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC5500 - Module C, Area 12

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per dav			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per dav			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per dav			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC5600 - Module C, Area 13

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	Factors 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	Factors 6 Process Specialists	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Back Loaded	126.00	Hours
	Factors 2 RCTs	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
	Factors 4 hours					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
	Factors 1 Foreman	7 Days	3 Hour per day			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
	Factors 6 Process Spec	7 Days	3 Hours per day			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Max Backload	42.00	Hours
	Factors 2 RCTs	7 Days	3 Hours per day			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors 6000 Dollars					

Line Item 2CMDC5700 - Module C, Area 14

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	Factors 1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
	Factors 6 Process Specialists	7 Days	9 Hours per day			

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC5800 - Module C, Area 15

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDC6100 - Module C Rework

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0173

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	Factors 4 Filter Techs		9	hours				
	750 STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP		C260S Filter Systems	Linear	9.00	Hours
	Factors 1 Foreman		9	hours				
	750 STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP		S100S SSOC Salaried	Linear	36.00	Hours
	Factors 1 Foreman		4	Days	9	Hours per day		
	750 STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI		S100S SSOC Salaried	Linear	0.00	Hours
	Factors 42 hours		0	Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (		KB30H B707 Facility Disposition	Linear	216.00	Hours
	Factors 6 Process Specialists		4	Days	9	Hours per day		
	750 STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI		KB50H B707 Env. Sftv & Quality	Back Loaded	72.00	Hours
	Factors 2 RCTs		4	Days	9	Hours per day		
	750 STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC		KB20H B707 Facilities Management	Linear	4.00	Hours
	Factors 4 hours							
	751 OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP		S100S SSOC Salaried	Linear	12.00	Hours
	Factors 1 Foreman		4	Days	3	Hour per day		
	751 OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (		KB30H B707 Facility Disposition	Linear	72.00	Hours
	Factors 6 Process Spec		4	Days	3	Hours per day		
	751 OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI		KB50H B707 Env. Sftv & Quality	Max Backload	24.00	Hours
	Factors 2 RCTs		4	Days	3	Hours per day		
	A5C SUPPLIES	0000	NONE		KB30S B707 Facility Disposition	Linear	6.000.00	Dollars
	Factors 6000 Dollars							

Line Item 2CMD6300 - Module C Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI		S100S SSOC Salaried	Linear	75.00	Hours
	Factors 75 hours							

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element		Skill		Department	Curve	Quantity	Units
	CON CONTINGENCY	0000	NONE		ZDEPT No Department	Linear	10.745.38	Dollars
	Factors 10745.4 Dollars							
	ESC ESCALATION	0000	NONE		ZDEPT No Department	Linear	7.452.20	Dollars
	Factors 7452.2 Dollars							

Activity ID: 1BRSNM0183 Description: SNM Holdup Removal - MOD C GB-C110

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
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WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0183

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC

			TYPE	HOURS/UNIT	UNIT	UNIT	Activity Filter	* & EXCLUSION	CUM	Starts In FY	*	
2CHMTMD10	Modification Maintenance Package	0.90	ea	HC	349	314	7.618	16.687	0	24.304	3.717	28.022
2CHMTST10	Standard Maintenance Work Package	0.90	ea	HC	175	157	3.926	3.487	0	7.413	1.916	9.329
2CMDC1520	PROCEDURES VERIFICATION	0.90	each	EE	3	3	68	101	0	168	33	201
2CMDC1530	PERFORM ALARA REVIEW	0.90	each	EE	14	13	430	0	0	430	210	640
2CMDC154C	PREPARE RWP FOR MODULE C	0.90	each	EE	16	14	290	0	0	290	141	431
2CMDC155C	COMPLETE SAFETY SCREEN AND PRC APPROVAL	0.90	each	EE	0	0	0	698	0	698	0	698
2CMDC3100	Module C, Area 1 (C110)	0.90	each	EE	805	724	17.335	5.400	0	22.735	8.459	31.194
2CMDC3200	Module C, Area 2 (C110)	0.90	each	EE	805	724	17.335	5.400	0	22.735	8.459	31.194
2CMDC6110	Module C Rework (C110)	1.00	each	EE	481	481	11.442	6.000	0	17.442	5.584	23.026
2CMDC6310	Module C Final Scans	1.00	each	EE	75	75	1.912	0	0	1.912	933	2,845
Total for Activity 1BRSNM0183:						2.506	60.355	37.772	0	98.127	29.453	127.580

Line Item 2CHMTMD10 - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 hours						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	40.00	Hours
<i>Factors</i> 40 hours						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	80.00	Hours
<i>Factors</i> 80 hours						
750	STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	80.00	Hours
<i>Factors</i> 80 hour						
750	STRAIGHT TIME BASE	P050 COMPLIANCE INSPECTORS	C210S Facilities Mgmt & Maintenance	Linear	6.00	Hours
<i>Factors</i> 6 hours						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Env. Envir. Sftv & Quality	Linear	40.00	Hours
<i>Factors</i> 40 Hours						
751	OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours						
751	OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours						
751	OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours						
751	OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours						
751	OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours						
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Env. Envir. Sftv & Quality	Linear	3.20	Hours
<i>Factors</i> 3.2 Hours						

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0183

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
Factors	1 engineer		1 hour				74.58	dollars per hour
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
Factors	1 engineer		40 hours per week		1 week		60	dollars per hour
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
Factors	1 engineer		40 hours				70	dollars per hour
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
Factors	1 engineer		20 hours				75.62	dollars per hour
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
Factors	2 planners		40 hours				68.25	dollars per hour
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
Factors	1 engineer		20 hours				70.72	dollars per hour
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
Factors	2081.7 dollars							
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
Factors	1 engineer		20 hours				94	dollars per hour
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
Factors	1 engineer		3 hours				77.9	dollars per hour
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
Factors	1 engineer		10 hours				68.4	dollars per hour

Line Item 2CHMTST10 - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
Factors	10 HOURS					
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors	18 HOURS					
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors	18 HOURS					
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
Factors	21 hours					
750	STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors	18 HOURS					
750	STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
Factors	20 hours					
750	STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
Factors	20 hours					
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
Factors	8 HOURS					
750	STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facility Disposition	Linear	6.00	Hours
Factors	6 HOURS					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Mgmt & Maintenance	Linear	2.00	Hours
Factors	2 HOURS					

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0183

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDC1520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Line item quantity adjusted to reflect earned value taken previous to 5/21/00.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.55	Hours
<i>Factors</i> 1.6 Hrs. 0.97 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1.55	Hours
<i>Factors</i> 1.6 Hrs. 0.97 Percentage of activity remaining after								
A57	LATA	P160	TECHNICAL WRITERS AND EDITOR	KB30S	B707 Facility Disposition	Linear	111.74	Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr. 0.97 Percentage of activity remaining after								

Line Item 2CMDC1530 - PERFORM ALARA REVIEW

BOE Estimators Experience - Management of FY98 SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0183

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost -
 Basis for adjustment -
 Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	13.97 Hours
Factors	9 hours/day (Rad Engineer)	1.6	days per module				
	0.97	Percentage of activity remaining after					

Line Item 2CMDC154C - PREPARE RWP FOR MODULE C

BOE
 Estimators Experience - Management of FY98 SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Prepare an RWP for holdup removal activities in 5 areas.
 Breakdown of Cost Data:
 Item - Module C RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost -
 Basis for adjustment -
 Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	15.52 Hours
Factors	16 Hrs.						
	0.97	Percentage of activity remaining after					

Line Item 2CMDC155C - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE
 Estimators Experience - Management of FY98 SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.
 Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost -
 Basis for adjustment -
 Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A52	TENERA	E080	NUCLEAR (CRITICALITY) ENGINEER	KB50S	B707 Eng Envir. Sftv & Quality	Linear	776.00 Dollars
Factors	1 day/area	8	hrs/day		100 \$/hr.		
	0.97	Percentage of activity remaining after					

Line Item 2CMDC3100 - Module C, Area 1 (C110)

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -

WBS No: 1BAC0CNM
 Activity ID: 1BRSNM0183

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -
 Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors	1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
Factors	42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman	7 Days	3 Hour per day			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec	7 Days	3 Hours per day			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs	7 Days	3 Hours per day			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6.000.00	Dollars
Factors	6000 Dollars					

Line Item 2CMDC3200 - Module C, Area 2 (C110)

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -
 Line item quantity further adjusted to reflect earned value taken previous to 5/21/00.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors	1 Foreman	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman	7 Days	9 Hours per day			
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
Factors	42 hours	0 Funded by NDA Program (M/S)				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (KB30H B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists	7 Days	9 Hours per day			

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Project Baseline Devl
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750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDC6110 - Module C Rework (C110)

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear		36.00	Hours
<i>Factors</i>	4 Filter Techs		9 hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear		9.00	Hours
<i>Factors</i>	1 Foreman		9 hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		36.00	Hours
<i>Factors</i>	1 Foreman		4 Days		9 Hours per day				
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear		0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)						
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		216.00	Hours
<i>Factors</i>	6 Process Specialists		4 Days		9 Hours per day				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded		72.00	Hours
<i>Factors</i>	2 RCTs		4 Days		9 Hours per day				
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear		4.00	Hours
<i>Factors</i>	4 hours								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		12.00	Hours
<i>Factors</i>	1 Foreman		4 Days		3 Hour per day				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		72.00	Hours
<i>Factors</i>	6 Process Spec		4 Days		3 Hours per day				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload		24.00	Hours
<i>Factors</i>	2 RCTs		4 Days		3 Hours per day				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear		6,000.00	Dollars
<i>Factors</i>	6000 Dollars								

Line Item 2CMDC6310 - Module C Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan

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Project: Baseline Devl
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Starts In FY *

Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours

Factors 75 hours

WBS No: 1BAC0DDA Title: Deactivation - Mod D
 Activity ID: 1BRSNM0203 Description: Deactivation - Module D

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDD2	Computer/Comm. Equipment Disposition	3.90	P1C	HC	1	4	116	0	0	116	55	171
2CB00EDD3	Office Furniture Disposition	35.80	P1F	HC	1	34	881	0	0	881	420	1,301
2CHAADR0D	Non-Classified Records Removal	0.06	each	EE	2,480	157	3,537	6,164	0	9,701	1,687	11,388
2CHAALL0D	LL Organic Prod Equip/Fluid Removal	0.03	each	EE	1,800	56	1,147	1,016	0	2,163	547	2,710
2CHAASR0D	Source Removal	0.12	each	EE	1,942	241	5,266	4,051	0	9,317	2,512	11,829
2CHMTSTDD	Standard Maintenance Work Package	8.50	ea	HC	175	1,485	37,080	32,929	0	70,009	17,687	87,696
2CMDD7105	Non Line Matl & Equip Removal	3.00	wk	EE	310	930	23,677	15,000	0	38,677	11,294	49,970
2CMDD7205	GB Line Contaminated Matl & Equip Removal	0.20	lot	EE	7,508	1,502	35,688	2,167	0	37,855	17,023	54,879
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	11,870	11,870	0	11,870
Total for Activity 1BRSNM0203:						4.409	107,391	61,327	11,870	180,589	51,226	231,814

Line Item 2CB00EDD2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
Factors 0.2 Hazard Assessment						
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.20	Hours
Factors 0.2 Readiness/Removal						
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
Factors 0.1 Material Handling						
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
Factors 0.1 Administrative						
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
Factors 0.2 Transportation						
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
Factors 0.25 Administrative						
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
Factors 0 Rad Survey						

Line Item 2CB00EDD3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
Factors 0 Hazard Assessment						
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30	Hours
Factors 0.3 Readiness/Removal						
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
Factors 0.1 Material Handling						
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
Factors 0.1 Administrative						

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750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2		Transportation						
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25		Administrative						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0		Rad Survey						

Line Item 2CHAADR0D - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		720.00	Hours
<i>Factors</i> 80		days		9 hours per day (1 foreman)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		1,440.00	Hours
<i>Factors</i> 80		days		18 hours per day (2 process spec.)					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear		320.00	Hours
<i>Factors</i> 80		days		4 hours per day					
A52	TENERA	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear		51,975.00	Dollars
<i>Factors</i> 60		days		15.75 hours per day (1.75 Admin Support)		55		dollars per hour	
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear		43,200.00	Dollars
<i>Factors</i> 60		days		18 hours per day (2 Doc Control)		40		dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear		2,000.00	Dollars
<i>Factors</i> 2000		dollars							

Line Item 2CHAALL0D - LL Organic Prod Equip/Fluid Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H	Matl Steward Steel Workers	Linear		1,800.00	Hours
<i>Factors</i> 1800		Hours							
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear		31,591.00	Dollars
<i>Factors</i> 31591		Dollars							
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear		1,020.00	Dollars
<i>Factors</i> 1		chemist		12		Hours		85 Dollars per hour	

Line Item 2CHAASR0D - Source Removal

BOE Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on

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the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:

Module A	34 gloveboxes
Module B	26 gloveboxes
Module C	26 gloveboxes
Module D	34 gloveboxes
Module E	17 gloveboxes
Module J	17 gloveboxes
Module K	17 gloveboxes

Breakdown of Cost Data:

Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
Factors 1 Foreman	6 weeks	40 Hours per week			
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
Factors 1 Safeguard & Security	6 weeks	10 hours per week			
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
Factors 961.1 Hours					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Env Envir. Sftv & Quality	Linear	629.57	Hours
Factors 629.57 Hours					
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
Factors 17.1 Hours					
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Env Envir. Sftv & Quality	Linear	34.20	Hours
Factors 34.2 Hours					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,693.73	Dollars
Factors 2693.73 Dollars					
A5H SUBCONTRACTED SRVS	0000 NONE	KB30S B707 Facility Disposition	Linear	29,952.00	Dollars
Factors 1 Alpha Group	416 Hours	72 Dollars per hours			

Line Item 2CHMTSTDD - Standard Maintenance Work Package

BOE

Historical Data Source - Derived from 5 years worth of validated Maintenance costs.

Item Desc - Modification packages

Breakdown of Historical Data:

Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
Factors 10 HOURS					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors 18 HOURS					
750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors 18 HOURS					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
Factors 21 hours					

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750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDD7105 - Non Line Matl & Equip Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E080	NUCLEAR (CRITICALITY) ENGINEER	S100S	SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 Rad Engineer 15 Hours per week								
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 SME Tech Support 15 Hours per week								

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Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	40.00	Hours
<i>Factors</i>	1 foreman		40 hours per week					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	150.00	Hours
<i>Factors</i>	5 process specialists		30 hours per week					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	30.00	Hours
<i>Factors</i>	1 RCT		30 Hours per week					
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	50.00	Hours
<i>Factors</i>	5 process specialists		10 hours per week					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	10.00	Hours
<i>Factors</i>	1 RCT		10 Hours per week					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	5,000.00	Dollars
<i>Factors</i>	5000 Containers (Carqos,Crates.& Drums)							

Line Item 2CMDD7205 - GB Line Contaminated Matl & Equip Removal

BOE
 Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -
 Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	420.00	Hours
<i>Factors</i>	350 Bag Cuts		1 foremen		1.2 hours per bag cut			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	2,730.00	Hours
<i>Factors</i>	84 boxes		5 process specialists		6.5 hours per box			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	875.00	Hours
<i>Factors</i>	350 BAG CUTS		5 Process Specialists		0.5 Hours per cut			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	350.00	Hours
<i>Factors</i>	350 bag cuts		2 RCTs		0.5 Hours			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	1,344.00	Hours
<i>Factors</i>	84 Boxes		2 RCTs		8 Hours per box			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	437.50	Hours
<i>Factors</i>	350 BAG CUTS		5 Process Specialists		0.25 Hours per cut			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	840.00	Hours
<i>Factors</i>	84 boxes		5 process specialists		2 hours per box			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	175.00	Hours
<i>Factors</i>	350 bag cuts		2 RCTs		0.25 Hours			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	336.00	Hours
<i>Factors</i>	84 Boxes		2 RCTs		2 Hours per box			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	10,836.00	Dollars
<i>Factors</i>	10836 Dollars							

Line Item SYS - Contingency And Escalation

BOE

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	7,245.15	Dollars
<i>Factors</i>	7245.15 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	4,624.94	Dollars
<i>Factors</i>	4624.94 Dollars							

WBS No: 1BAC0DNM Title: SNM Holdup Removal - Module D
 Activity ID: 1BRSNM0201 Description: SNM Holdup Removal - Module D

Cost Risk 3 Schedule Risk 3

WBS No: 1BAC0DNM
 Activity ID: 1BRSNM0201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTSTSD	Standard Maintenance Work Package	2.80	ea	HC	175	489	12,214	10,847	0	23,062	5,826	28,888
2CMDD1100	Pre Scans	37.00	each	EE	42	1,554	39,611	0	0	39,611	18,895	58,506
2CMDD1520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDD1530	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800
2CMDD1540	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	235	728
2CMDD1550	PREPARE RWP FOR MODULE D	1.00	each	EE	16	16	332	0	0	332	158	490
2CMDD3100	Module D Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,188	34,449
2CMDD6100	Module D Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,458	22,900
2CMDD6300	Module D Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	912	2,824
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	8,085	8,085	0	8,085
Total for Activity 1BRSNM0201:						3,438	85,343	23,762	8,085	117,190	40,709	157,899

Line Item 2CHMTSTSD - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours						
750	STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
750	STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours						
750	STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours						
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS						
750	STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS						
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
751	OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS						
751	OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS						

WBS No: 1BAC0DNM
 Activity ID: 1BRSNM0201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDD1100 - Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear 42.00 Hours
<i>Factors</i> 42 average hours per scan						

Line Item 2CMDD1520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Verification that current and aplicable procedures are in place prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear 1.60 Hours
<i>Factors</i> 1.6 Hrs.						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear 1.60 Hours
<i>Factors</i> 1.6 Hrs.						
A57	LATA	P160	TECHNICAL WRITERS AND EDITOR	KB30S	B707 Facility Disposition	Linear 115.20 Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.						

Line Item 2CMDD1530 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.

WBS No: 1BAC0DNM
 Activity ID: 1BRSNM0201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A52	TENERA	E080	NUCLEAR (CRITICALITY) ENGINEER	KB50S B707 Eng Envir. Sftv & Quality	Linear	800.00	Dollars
Factors		1 day/area	8 hrs/day		100 \$/hr.		

Line Item 2CMDD1540 - PERFORM ALARA REVIEW

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
Factors		9 hours/day (Rad Engineer)	1.6 days per module				

Line Item 2CMDD1550 - PREPARE RWP FOR MODULE D

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	16.00	Hours
Factors		16 Hrs.					

Line Item 2CMDD3100 - Module D, Area 1

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors		4 Filter Techs	9 hours				

WBS No: 1BAC0DNM
 Activity ID: 1BRSNM0201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDD6100 - Module D Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
Factors	1	Foreman	4	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
Factors	6	Process Specialists	4	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
Factors	2	RCTs	4	Days	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
Factors	1	Foreman	4	Days	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
Factors	6	Process Spec	4	Days	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
Factors	2	RCTs	4	Days	3	Hours per dav		

WBS No: 1BAC0DNM
 Activity ID: 1BRSNM0201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
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Factors 6000 Dollars

Line Item 2CMDD6300 - Module D Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	75.00	Hours

Factors 75 hours

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	4,934.99	Dollars

Factors 4934.99 Dollars

ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	3,150.25	Dollars
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Factors 3150.25 Dollars

WBS No: 1BAC0EDA Title: Deactivation - Module E

Activity ID: 1BRSNMEPL2 Description: Deactivation - Module E Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDE2	Computer/Comm. Equipment Disposition	3.90	P1C	HC	1	4	116	0	0	116	46	162
2CB00EDE3	Office Furniture Disposition	32.80	P1F	HC	1	31	807	0	0	807	321	1,128
2CHAADROE	Non-Classified Records Removal	0.06	each	EE	2,480	142	3,184	5,548	0	8,731	1,266	9,997
2CHAALLOE	LI Organic Prod Equip/Fluid Removal	0.04	each	EE	1,800	63	1,297	1,149	0	2,446	516	2,961
2CHAASROE	Source Removal	0.08	each	EE	1,942	160	3,494	2,688	0	6,183	1,389	7,572
2CHMTSTDE	Standard Maintenance Work Package	8.50	ea	HC	175	1,485	37,080	32,929	0	70,009	14,743	84,751
2CMDE7105	Non Line Matl & Equip Removal	3.00	wk	EE	310	930	23,677	15,000	0	38,677	9,414	48,090
2CMDE7205	GB Line Contaminated Matl & Equip Removal	0.10	lot	EE	7,508	751	17,844	1,084	0	18,928	7,095	26,022
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	20,194	20,194	0	20,194
Total for Activity 1BRSNMEPL2:						3,566	87,498	58,397	20,194	166,090	34,789	200,879

Line Item 2CB00EDE2 - Computer/Comm. Equipment Disposition

BOE
 Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear	0.20	Hours

Factors 0.2 Hazard Assessment

750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP)	KB20H	B707 Facilities Management	Linear	0.20	Hours
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Factors 0.2 Readiness/Removal

750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
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Factors 0.1 Material Handling

750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
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Factors 0.1 Administrative

750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	C242S	Transportation	Linear	0.20	Hours
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Factors 0.2 Transportation

750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	C270S	Property Management	Linear	0.25	Hours
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Factors 0.25 Administrative

WBS No: 1BAC0EDA
 Activity ID: 1BRSNMEPL2

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i>		0	Rad Survey					

Line Item 2CB00EDE3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear	0.00	Hours
<i>Factors</i>		0	Hazard Assessment					
750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP)	KB20H	B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i>		0.3	Readiness/Removal					
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i>		0.1	Material Handling					
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i>		0.1	Administrative					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i>		0.2	Transportation					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i>		0.25	Administrative					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i>		0	Rad Survey					

Line Item 2CHAADR0E - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	720.00	Hours
<i>Factors</i>		80	days		9	hours per day (1 foreman)		
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1.440.00	Hours
<i>Factors</i>		80	days		18	hours per day (2 process spec.)		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	320.00	Hours
<i>Factors</i>		80	days		4	hours per day		
A52	TENERA	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	51.975.00	Dollars
<i>Factors</i>		60	days		15.75	hours per day (1.75 Admin Support)		55 dollars per hour
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	43.200.00	Dollars
<i>Factors</i>		60	days		18	hours per day (2 Doc Control)		40 dollars per hour
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2.000.00	Dollars
<i>Factors</i>		2000	dollars					

Line Item 2CHAALLOE - LL Organic Prod Equip/Fluid Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -

WBS No: 1BAC0EDA
 Activity ID: 1BRSNMEPL2

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H	Matl Steward Steel Workers	Linear	1,800.00 Hours
Factors		1800	Hours				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	31,591.00 Dollars
Factors		31591	Dollars				
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear	1,020.00 Dollars
Factors		1	chemist	12	Hours	85	Dollars per hour

Line Item 2CHAASR0E - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes
 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -
 Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	240.00 Hours
Factors		1	Foreman	6	weeks	40	Hours per week
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	60.00 Hours
Factors		1	Safeguard & Security	6	weeks	10	hours per week
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	961.10 Hours
Factors		961.1	Hours				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	629.57 Hours
Factors		629.57	Hours				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	17.10 Hours
Factors		17.1	Hours				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	34.20 Hours
Factors		34.2	Hours				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,693.73 Dollars
Factors		2693.73	Dollars				
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Facility Disposition	Linear	29,952.00 Dollars
Factors		1	Alpha Group	416	Hours	72	Dollars per hours

Line Item 2CHMTSTDE - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot

WBS No: 1BAC0EDA
 Activity ID: 1BRSNMEPL2

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE Factors 10 HOURS	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	18.00	Hours
750 STRAIGHT TIME BASE Factors 21 hours	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
750 STRAIGHT TIME BASE Factors 20 hours	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
750 STRAIGHT TIME BASE Factors 20 hours	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
750 STRAIGHT TIME BASE Factors 8 HOURS	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
750 STRAIGHT TIME BASE Factors 6 HOURS	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facility Disposition	Linear	6.00	Hours
750 STRAIGHT TIME BASE Factors 2 HOURS	P170 OTHER ADMINISTRATIVE & PROFF	C210S Facilities Mgmt & Maintenance	Linear	2.00	Hours
750 STRAIGHT TIME BASE Factors 2 HOURS	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envr. Sftv & Quality	Linear	2.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
751 OVERTIME BASE & PRE. Factors 8 HOURS	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
751 OVERTIME BASE & PRE. Factors 1.67 HOURS	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
751 OVERTIME BASE & PRE. Factors 0.8 HOURS	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	0.80	Hours
751 OVERTIME BASE & PRE. Factors 1.67 HOURS	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	1.67	Hours
751 OVERTIME BASE & PRE. Factors 0.72 HOURS	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.72	Hours
751 OVERTIME BASE & PRE. Factors 0.64 HOURS	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	0.64	Hours
751 OVERTIME BASE & PRE. Factors 0.16 HOURS	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envr. Sftv & Quality	Linear	0.16	Hours
751 OVERTIME BASE & PRE. Factors 0.08 HOURS	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	0.08	Hours
A57 LATA Factors 2 Planners 20 Hours	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	3,400.00	Dollars
A5C SUPPLIES Factors 474 dollars	0000 NONE	KB30S B707 Facility Disposition	Linear	85	Dollars per hour

Line Item 2CMDE7105 - Non Line Matl & Equip Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal

WBS No: 1BAC0EDA
 Activity ID: 1BRSNMEPL2

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -

Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E080	NUCLEAR (CRITICALITY) ENGINEER	S100S	SSOC Salaried	Linear	15.00	Hours
Factors	1	Rad Engineer	15	Hours per week				
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	15.00	Hours
Factors	1	SME Tech Support	15	Hours per week				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	40.00	Hours
Factors	1	foreman	40	hours per week				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	150.00	Hours
Factors	5	process specialists	30	hours per week				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	30.00	Hours
Factors	1	RCT	30	Hours per week				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	50.00	Hours
Factors	5	process specialists	10	hours per week				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	10.00	Hours
Factors	1	RCT	10	Hours per week				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	5.000.00	Dollars
Factors	5000	Containers (Cargos,Crates.& Drums)						

Line Item 2CMDE7205 - GB Line Contaminated Matl & Equip Removal

BOE Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -

Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	420.00	Hours
Factors	350	Bag Cuts	1	foremen	1.2	hours per bag cut		
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	2.730.00	Hours
Factors	84	boxes	5	process specialists	6.5	hours per box		
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	875.00	Hours
Factors	350	BAG CUTS	5	Process Specialists	0.5	Hours per cut		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	350.00	Hours
Factors	350	bag cuts	2	RCTs	0.5	Hours		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	1.344.00	Hours
Factors	84	Boxes	2	RCTs	8	Hours per box		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	840.00	Hours
Factors	84	boxes	5	process specialists	2	hours per box		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	437.50	Hours
Factors	350	BAG CUTS	5	Process Specialists	0.25	Hours per cut		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	175.00	Hours
Factors	350	bag cuts	2	RCTs	0.25	Hours		

WBS No: 1BAC0EDA
 Activity ID: 1BRSNMEPL2

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	336.00	Hours
<i>Factors</i> 84 Boxes		2 RCTs		2 Hours per box				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	10,836.00	Dollars
<i>Factors</i> 10836 Dollars								

Line Item SYS - Contingency And Escalation

BOE

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	13,485.00	Dollars
<i>Factors</i> 13485 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	6,709.12	Dollars
<i>Factors</i> 6709.12 Dollars								

WBS No: 1BAC0ENM Title: SNM Holdup Removal - Module E
 Activity ID: 1BRSNM0187 Description: SNM Holdup Removal - Module E

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTSTSE	Standard Maintenance Work Package	2.80	ea	HC	175	489	12,214	10,847	0	23,062	5,826	28,888
2CMDE1100	Module E Pre Scans	27.00	each	EE	42	1,134	28,906	0	0	28,906	13,788	42,694
2CMDE1520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDE1530	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800
2CMDE1540	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	235	728
2CMDE1550	PREPARE RWP FOR MODULE E	1.00	each	EE	16	16	332	0	0	332	158	490
2CMDE3100	Module E, Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,188	34,449
2CMDE3200	Module E, Area 2	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,188	34,449
2CMDE6100	Module E Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,458	22,900
2CMDE6300	Module E Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	912	2,824
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	9.091	9.091	0	9.091
Total for Activity 1BRSNM0187:						3.823	93,898	29,762	9.091	132,751	44,789	177,541

Line Item 2CHMTSTSE - Standard Maintenance Work Package

BOE

Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								

WBS No: 1BAC0ENM
 Activity ID: 1BRSNM0187

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDE1100 - Module E Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSQC Salaried	Linear	42.00 Hours
<i>Factors</i> 42 average hours per scan						

Line Item 2CMDE1520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Verification that current and aplicable procedures are in place prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -

WBS No: 1BAC0ENM
 Activity ID: 1BRSNM0187

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	1.60	Hours
	<i>Factors</i> 1.6 Hrs.					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
	<i>Factors</i> 1.6 Hrs.					
	A57 LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20	Dollars
	<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.					

Line Item 2CMDE1530 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.

Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	A52 TENERA	E080 NUCLEAR (CRITICALITY) ENGINEER	KB50S B707 Eng Envir. Sfty & Quality	Linear	800.00	Dollars
	<i>Factors</i> 1 day/area 8 hrs/day 100 \$/hr.					

Line Item 2CMDE1540 - PERFORM ALARA REVIEW

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.

Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
	<i>Factors</i> 9 hours/day (Rad Engineer) 1.6 days per module					

Line Item 2CMDE1550 - PREPARE RWP FOR MODULE E

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Prepare an RWP for holdup removal activities.

Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sfty & Quality	Linear	16.00	Hours
	<i>Factors</i> 16 Hrs.					

Line Item 2CMDE3100 - Module E, Area 1

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

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Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH, WS)	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors 4 Filter Techs	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors 1 Foreman	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
Factors 1 Foreman	7 Days	9 Hours per day			
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
Factors 42 hours	0 Funded by NDA Program (M/S)				
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
Factors 6 Process Specialists	7 Days	9 Hours per day			
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors 2 RCTs	7 Days	9 Hours per day			
750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
Factors 4 hours					
751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
Factors 1 Foreman	7 Days	3 Hour per day			
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
Factors 6 Process Spec	7 Days	3 Hours per day			
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors 2 RCTs	7 Days	3 Hours per day			
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
Factors 6000 Dollars					

Line Item 2CMDE3200 - Module E, Area 2

BOE

Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH, WS)	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors 4 Filter Techs	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors 1 Foreman	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
Factors 1 Foreman	7 Days	9 Hours per day			

WBS No: 1BAC0ENM
 Activity ID: 1BRSNM0187

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per day		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per day		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per day		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDE6100 - Module E Rework

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units			
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours	
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours	
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours	
Factors	1	Foreman	4	Days	9	Hours per day		
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours	
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
Factors	6	Process Specialists	4	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours	
Factors	2	RCTs	4	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours	
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours	
Factors	1	Foreman	4	Days	3	Hour per day		
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
Factors	6	Process Spec	4	Days	3	Hours per day		
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours	
Factors	2	RCTs	4	Days	3	Hours per day		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDE6300 - Module E Final Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in

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 Activity ID: 1BRSNM0187

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
<i>Factors</i> 75 hours						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	5,548.88	Dollars
<i>Factors</i> 5548.88 Dollars						
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	3,542.12	Dollars
<i>Factors</i> 3542.12 Dollars						

WBS No: 1BAC0FDA Title: Deactivation - Module F
 Activity ID: 1BRSNM0206 Description: Deactivation - Mod F Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDF2	Computer/Comm. Equipment Disposition	3.18	P1C	HC	1	3	95	0	0	95	45	140
2CB00EDF3	Office Furniture Disposition	21.20	P1F	HC	1	20	522	0	0	522	249	770
2CHAADR0F	Non-Classified Records Removal	0.06	each	EE	2,480	157	3,537	6,164	0	9,701	1,687	11,388
2CHAALL0F	LL Organic Prod Equip/Fluid Removal	0.03	each	EE	1,800	54	1,109	982	0	2,091	529	2,620
2CHAASR0F	Source Removal	0.04	each	EE	1,942	81	1,760	1,354	0	3,114	840	3,954
2CHMTSTDF	Standard Maintenance Work Package	6.00	ea	HC	175	1,048	26,174	23,244	0	49,418	12,485	61,903
2CMDF7100	Non Line Matl & Equip Removal	2.00	wk	EE	310	620	15,784	10,000	0	25,784	7,529	33,314
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	6.157	6.157	0	6.157
Total for Activity 1BRSNM0206:						1,984	48,981	41,744	6.157	96,882	23,364	120,246

Line Item 2CB00EDF2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment						
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal						
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey						

Line Item 2CB00EDF3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

WBS No: 1BAC0FDA
 Activity ID: 1BRSNM0206

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
	<i>Factors</i> 0 Hazard Assessment					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30	Hours
	<i>Factors</i> 0.3 Readiness/Removal					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Material Handling					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
	<i>Factors</i> 0.1 Administrative					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
	<i>Factors</i> 0.2 Transportation					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
	<i>Factors</i> 0.25 Administrative					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
	<i>Factors</i> 0 Rad Survey					

Line Item 2CHAADR0F - Non-Classified Records Removal

BOE
 Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	720.00	Hours
	<i>Factors</i> 80 days 9 hours per day (1 foreman)					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1.440.00	Hours
	<i>Factors</i> 80 days 18 hours per day (2 process spec.)					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	320.00	Hours
	<i>Factors</i> 80 days 4 hours per day					
	A52 TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	51.975.00	Dollars
	<i>Factors</i> 60 days 15.75 hours per day (1.75 Admin Support) 55 dollars per hour					
	A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	43.200.00	Dollars
	<i>Factors</i> 60 days 18 hours per day (2 Doc Control) 40 dollars per hour					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2.000.00	Dollars
	<i>Factors</i> 2000 dollars					

Line Item 2CHAALL0F - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excellto Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0FDA
 Activity ID: 1BRSNM0206

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H	Matl Steward Steel Workers	Linear	1,800.00	Hours
<i>Factors</i>		1800	Hours					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	31,591.00	Dollars
<i>Factors</i>		31591	Dollars					
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear	1,020.00	Dollars
<i>Factors</i>		1	chemist	12	Hours	85	Dollars per hour	

Line Item 2CHAASR0F - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes

Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
<i>Factors</i>		1 Foreman	6 weeks	40	Hours per week
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
<i>Factors</i>		1 Safeguard & Security	6 weeks	10	hours per week
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
<i>Factors</i>		961.1	Hours		
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	629.57	Hours
<i>Factors</i>		629.57	Hours		
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
<i>Factors</i>		17.1	Hours		
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i>		34.2	Hours		
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i>		2693.73	Dollars		
A5H SUBCONTRACTED SRVS	0000 NONE	KB30S B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i>		1 Alpha Group	416	Hours	72 Dollars per hours

Line Item 2CHMTSTDF - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

WBS No: 1BAC0FDA
 Activity ID: 1BRSNM0206

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
	Factors 10 HOURS					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
	Factors 21 hours					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 hours					
	750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 hours					
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	750 STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facilitv Disposition	Linear	6.00	Hours
	Factors 6 HOURS					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Mamt & Maintenance	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Qualitv	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	751 OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	0.80	Hours
	Factors 0.8 HOURS					
	751 OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.72	Hours
	Factors 0.72 HOURS					
	751 OVERTIME BASE & PRE.	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	0.64	Hours
	Factors 0.64 HOURS					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Ena Envir. Sftv & Qualitv	Linear	0.16	Hours
	Factors 0.16 HOURS					
	751 OVERTIME BASE & PRE.	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	0.08	Hours
	Factors 0.08 HOURS					
	A57 LATA	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	3.400.00	Dollars
	Factors 2 Planners 20 Hours			85 Dollars per hour		
	A5C SUPPLIES	0000 NONE	KB30S B707 Facilitv Disposition	Linear	474.00	Dollars
	Factors 474 dollars					

Line Item 2CMD7100 - Non Line Matl & Equip Removal

BOE	Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Experience Item Desc - Non GB Material & Equipment Removal Breakdown of Cost Data: Item - Non GB Material & Equipment Removal Units - lot (weeks) Unit Cost - 310 Hrs / \$5,000 Unit Cost Adjustment factor - Revised Unit Cost - 310 Hrs / \$5,000
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WBS No: 1BAC0FDA
 Activity ID: 1BRSNM0206

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 Rad Engineer	15 Hours per week				
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
Factors	1 SME Tech Support	15 Hours per week				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
Factors	1 foreman	40 hours per week				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	150.00	Hours
Factors	5 process specialists	30 hours per week				
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	30.00	Hours
Factors	1 RCT	30 Hours per week				
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	50.00	Hours
Factors	5 process specialists	10 hours per week				
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	10.00	Hours
Factors	1 RCT	10 Hours per week				
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	5,000.00	Dollars
Factors	5000 Containers (Carqos,Crates.& Drums)					

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	3,758.19	Dollars
Factors	3758.19 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	2,399.04	Dollars
Factors	2399.04 Dollars					

WBS No: 1BAC0FNM Title: SNM Holdup Removal - Module F
 Activity ID: 1BRSNM0205 Description: SNM Holdup Removal - Module F

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMDF1100	Pre Scans	3.00	each	EE	42	126	3,212	0	0	3,212	1,539	4,751
2CMDF1520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDF6300	Module F Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	916	2,828
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	317	317	0	317
Total for Activity 1BRSNM0205:						204	5,201	115	317	5,633	2,493	8,126

Line Item 2CMDF1100 - Pre Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours
Factors	42 average hours per scan					

Line Item 2CMDF1520 - PROCEDURES VERIFICATION

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779

WBS No: 1BAC0FNM
 Activity ID: 1BRSNM0205

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Verification that current and applicable procedures are in place prior to holdup removal activities.

Breakdown of Cost Data:

Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.60	Hours
	Factors 1.6 Hrs					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
	Factors 1.6 Hrs					
	A57 LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20	Dollars
	Factors 1 Procedure Writer 1.6 hrs 72 dollars/hr.					

Line Item 2CMD6300 - Module F Final Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Experience Item Desc - SNM Holdup Activities

Breakdown of Cost Data:

Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
	Factors 75 hours					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	186.93	Dollars
	Factors 186.925 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	129.64	Dollars
	Factors 129.638 Dollars					

WBS No: 1BAC0GDA Title: Deactivation - Module G

Activity ID: 1BRSNM0208 Description: Deactivation - Mod G Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDG2	Computer/Comm. Equipment Disposition	2.25	P1C	HC	1	2	44	0	0	44	21	65
2CB00EDG3	Office Furniture Disposition	9.40	P1F	HC	1	6	150	0	0	150	73	224
2CHAADR0G	Non-Classified Records Removal	0.06	each	EE	1,612	92	2,069	3,646	0	5,715	1,008	6,723
2CHAALLOG	LL Organic Prod Equip/Fluid Removal	0.08	each	EE	1,170	88	1,804	1,597	0	3,401	878	4,280
2CHAASR0G	Source Removal	0.06	each	EE	1,262	78	1,699	1,307	0	3,007	827	3,834
2CHMTMDG	Modification Maintenance Package	2.80	ea	HC	227	636	15,405	33,744	0	49,149	7,501	56,650
2CHMTST0G	Standard Maintenance Work Package	10.00	ea	HC	114	1,136	28,355	25,181	0	53,536	13,806	67,342
2CMDG1000	Non Line Matl & Equip Removal	12.00	wk	EE	202	2,418	61,559	60,000	0	121,559	29,974	151,533
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,470	1,470	0	1,470
Total for Activity 1BRSNM0208:						4.455	111,085	125,476	1,470	238,032	54,089	292,120

Line Item 2CB00EDG2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.13	Hours
Factors	0.2 Hazard Assessment					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.13	Hours
Factors	0.2 Readiness/Removal					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.06	Hours
Factors	0.1 Material Handling					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.06	Hours
Factors	0.1 Administrative					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.13	Hours
Factors	0.2 Transportation					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.16	Hours
Factors	0.25 Administrative					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
Factors	0 Rad Survey					
	0.65 Percentage of activity remaining after					

Line Item 2CB00EDG3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
Factors	0 Hazard Assessment					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.20	Hours
Factors	0.3 Readiness/Removal					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.06	Hours
Factors	0.1 Material Handling					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.06	Hours
Factors	0.1 Administrative					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.13	Hours
Factors	0.2 Transportation					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.16	Hours
Factors	0.25 Administrative					
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
Factors	0 Rad Survey					
	0.65 Percentage of activity remaining after					

Line Item 2CHAADROG - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot

WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	468.00	Hours
Factors	80 days	9 hours per day (1 foreman)				
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	936.00	Hours
Factors	80 days	18 hours per day (2 process spec.)				
	0.65 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	208.00	Hours
Factors	80 days	4 hours per day				
	0.65 Percentage of activity remaining after					
	A52 TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	33,783.75	Dollars
Factors	60 days	15.75 hours per day (1.75 Admin Support)		55 dollars per hour		
	0.65 Percentage of activity remaining after					
	A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	28,080.00	Dollars
Factors	60 days	18 hours per day (2 Doc Control)		40 dollars per hour		
	0.65 Percentage of activity remaining after					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,000.00	Dollars
Factors	2000 dollars					

Line Item 2CHAALL0G - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excellto Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Matl Steward Steel Workers	Linear	1,170.00	Hours
Factors	1800 Hours					
	0.65 Percentage of activity remaining after					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	20,534.15	Dollars
Factors	31591 Dollars					
	0.65 Percentage of activity remaining after					
	A5H SUBCONTRACTED SRVS	S010 CHEMISTS	KB30S B707 Facility Disposition	Linear	663.00	Dollars
Factors	1 chemist	12 Hours		85 Dollars per hour		
	0.65 Percentage of activity remaining after					

Line Item 2CHAASR0G - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes

WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Module C	26 gloveboxes
Module D	34 gloveboxes
Module E	17 gloveboxes
Module J	17 gloveboxes
Module K	17 gloveboxes

Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	156.00	Hours
Factors	1 Foreman	6 weeks		40	Hours per week			
	0.65	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	39.00	Hours
Factors	1 Safeguard & Security	6 weeks		10	hours per week			
	0.65	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	624.71	Hours
Factors	961.1 Hours							
	0.65	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	409.22	Hours
Factors	629.57 Hours							
	0.65	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	11.11	Hours
Factors	17.1 Hours							
	0.65	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	22.23	Hours
Factors	34.2 Hours							
	0.65	Percentage of activity remaining after						
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	1,750.92	Dollars
Factors	2693.73 Dollars							
	0.65	Percentage of activity remaining after						
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Facility Disposition	Linear	19,468.80	Dollars
Factors	1 Alpha Group	416 Hours		72	Dollars per hours			
	0.65	Percentage of activity remaining after						

Line Item 2CHMTMDDG - Modification Maintenance Package

BOE	Historical Data Source - Derived from 5 years worth of validated Maintenance costs. Item Desc - Modification packages Breakdown of Historical Data: Item - One Modification Package Units - lot Unit Cost - 361.28 Hours / \$18,540.78 Unit Cost Adjustment factor - 1 Revised Unit Cost - 361.28 Hours / \$18,540.78
	Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	11.70	Hours
Factors	18 hours							
	0.65	Percentage of activity remaining after						

WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	23.40	Hours
<i>Factors</i>		36	hours					
		0.65	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	26.00	Hours
<i>Factors</i>		40	hours					
		0.65	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	23.40	Hours
<i>Factors</i>		36	hours					
		0.65	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	52.00	Hours
<i>Factors</i>		80	hours					
		0.65	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	52.00	Hours
<i>Factors</i>		80	hour					
		0.65	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mamt & Maintenance	Linear	3.90	Hours
<i>Factors</i>		6	hours					
		0.65	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	26.00	Hours
<i>Factors</i>		40	Hours					
		0.65	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	0.94	Hours
<i>Factors</i>		1.44	hours					
		0.65	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.87	Hours
<i>Factors</i>		2.88	hours					
		0.65	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.94	Hours
<i>Factors</i>		1.44	hours					
		0.65	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.87	Hours
<i>Factors</i>		2.88	hours					
		0.65	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.94	Hours
<i>Factors</i>		1.44	hours					
		0.65	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.08	Hours
<i>Factors</i>		3.2	Hours					
		0.65	Percentage of activity remaining after					
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	48.48	Dollars
<i>Factors</i>		1	engineer	1	hour	74.58	dollars per hour	
		0.65	Percentage of activity remaining after					
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,560.00	Dollars
<i>Factors</i>		1	engineer	40	hours per week	1	week	60
		0.65	Percentage of activity remaining after					
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,820.00	Dollars
<i>Factors</i>		1	engineer	40	hours	70	dollars per hour	
		0.65	Percentage of activity remaining after					
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	983.06	Dollars
<i>Factors</i>		1	engineer	20	hours	75.62	dollars per hour	
		0.65	Percentage of activity remaining after					

WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,549.00	Dollars
Factors	2 planners	40 hours				68.25 dollars per hour		
	0.65	Percentage of activity remaining after						
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	919.36	Dollars
Factors	1 engineer	20 hours				70.72 dollars per hour		
	0.65	Percentage of activity remaining after						
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	1,353.10	Dollars
Factors	2081.7 dollars							
	0.65	Percentage of activity remaining after						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facilitv Disposition	Linear	1,222.00	Dollars
Factors	1 engineer	20 hours				94 dollars per hour		
	0.65	Percentage of activity remaining after						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	151.90	Dollars
Factors	1 engineer	3 hours				77.9 dollars per hour		
	0.65	Percentage of activity remaining after						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	444.60	Dollars
Factors	1 engineer	10 hours				68.4 dollars per hour		
	0.65	Percentage of activity remaining after						

Line Item 2CHMTST0G - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	6.50	Hours
Factors	10 HOURS					
	0.65	Percentage of activity remaining after				
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	11.70	Hours
Factors	18 HOURS					
	0.65	Percentage of activity remaining after				
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	11.70	Hours
Factors	18 HOURS					
	0.65	Percentage of activity remaining after				
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	13.65	Hours
Factors	21 hours					
	0.65	Percentage of activity remaining after				
750	STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	11.70	Hours
Factors	18 HOURS					
	0.65	Percentage of activity remaining after				
750	STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	13.00	Hours
Factors	20 hours					
	0.65	Percentage of activity remaining after				
750	STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	13.00	Hours
Factors	20 hours					
	0.65	Percentage of activity remaining after				

WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	5.20	Hours
Factors 8 HOURS								
0.65 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	3.90	Hours
Factors 6 HOURS								
0.65 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	1.30	Hours
Factors 2 HOURS								
0.65 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Qualitv	Linear	1.30	Hours
Factors 2 HOURS								
0.65 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	11.70	Hours
Factors 18 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	5.20	Hours
Factors 8 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.09	Hours
Factors 1.67 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.52	Hours
Factors 0.8 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.09	Hours
Factors 1.67 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.47	Hours
Factors 0.72 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.42	Hours
Factors 0.64 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Qualitv	Linear	0.10	Hours
Factors 0.16 HOURS								
0.65 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.05	Hours
Factors 0.08 HOURS								
0.65 Percentage of activity remaining after								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	2,210.00	Dollars
Factors 2 Planners 20 Hours 85 Dollars per hour								
0.65 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	308.10	Dollars
Factors 474 dollars								
0.65 Percentage of activity remaining after								

Line Item 2CMDG1000 - Non Line Matl & Equip Removal

BOE	Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Experience Item Desc - Non GB Material & Equipment Removal Breakdown of Cost Data: Item - Non GB Material & Equipment Removal Units - lot (weeks) Unit Cost - 310 Hrs / \$5,000 Unit Cost Adjustment factor - Revised Unit Cost - 310 Hrs / \$5,000
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WBS No: 1BAC0GDA
 Activity ID: 1BRSNM0208

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources	Cost Element	Department	Skill	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E080	NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC.Salaried	Linear	9.75 Hours
Factors	1 Rad Engineer	15	Hours per week			
	0.65 Percentage of activity remaining after					
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S SSOC.Salaried	Linear	9.75 Hours
Factors	1 SME Tech Support	15	Hours per week			
	0.65 Percentage of activity remaining after					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S SSOC.Salaried	Linear	26.00 Hours
Factors	1 foreman	40	hours per week			
	0.65 Percentage of activity remaining after					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	97.50 Hours
Factors	5 process specialists	30	hours per week			
	0.65 Percentage of activity remaining after					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	19.50 Hours
Factors	1 RCT	30	Hours per week			
	0.65 Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	32.50 Hours
Factors	5 process specialists	10	hours per week			
	0.65 Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	6.50 Hours
Factors	1 RCT	10	Hours per week			
	0.65 Percentage of activity remaining after					
A5C	SUPPLIES	0000	NONE	KB30S B707 Facility Disposition	Linear	5,000.00 Dollars
Factors	5000 Containers (Carros,Crates.& Drums)					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Department	Skill	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT No Department	Linear	868.27 Dollars
Factors	868,267 Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT No Department	Linear	602.17 Dollars
Factors	602,166 Dollars					

WBS No: 1BAC0GNM Title: SNM Holdup Removal - Module G

Activity ID: 1BRSNM0307 Description: SNM Holdup Removal - Module G Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMDG6300	Module G Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	933	2,845
Total for Activity 1BRSNM0307:						75	1,912	0	0	1,912	933	2,845

Line Item 2CMDG6300 - Module G Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Department	Skill	Curve	Quantity	Units
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WBS No: 1BAC0GNM
 Activity ID: 1BRSNM0307

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried		Linear	75.00	Hours
<i>Factors</i>		75	hours						

WBS No: 1BAC0HDA Title: Deactivation - Module H
 Activity ID: 1BRSNM0210 Description: Deactivation - Mod H Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDH2	Computer/Comm. Equipment Disposition	2.05	P1C	HC	1	2	59	0	0	59	28	86
2CB00EDH3	Office Furniture Disposition	8.60	P1F	HC	1	8	203	0	0	203	97	300
2CHAALLOH	LL Organic Prod Equip/Fluid Removal	0.07	each	EE	1.728	113	2,311	2,046	0	4,357	1,102	5,459
2CHAASR0H	Source Removal	0.03	each	EE	1.864	57	1,235	950	0	2,185	589	2,774
2CHMTSTDH	Standard Maintenance Work Package	14.40	ea	HC	168	2,416	60,305	53,554	0	113,859	28,765	142,624
2CMDH1000	Non Line Matl & Equip Removal	3.00	wk	EE	298	893	22,730	15,000	0	37,730	10,842	48,572
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	10.784	10.784	0	10,784
Total for Activity 1BRSNM0210:						3,488	86,841	71,550	10,784	169,176	41,423	210,599

Line Item 2CB00EDH2 - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.19	Hours
<i>Factors</i>		0.2 Hazard Assessment				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.19	Hours
<i>Factors</i>		0.2 Readiness/Removal				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i>		0.1 Material Handling				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i>		0.1 Administrative				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.19	Hours
<i>Factors</i>		0.2 Transportation				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.24	Hours
<i>Factors</i>		0.25 Administrative				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i>		0 Rad Survey				
		0.96 Percentage of activity remaining after				

Line Item 2CB00EDH3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
<i>Factors</i>		0 Hazard Assessment				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.29	Hours
<i>Factors</i>		0.3 Readiness/Removal				
		0.96 Percentage of activity remaining after				
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i>		0.1 Material Handling				
		0.96 Percentage of activity remaining after				

WBS No: 1BAC0HDA
 Activity ID: 1BRSNM0210

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative 0.96 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.19	Hours
<i>Factors</i> 0.2 Transportation 0.96 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.24	Hours
<i>Factors</i> 0.25 Administrative 0.96 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survej 0.96 Percentage of activity remaining after								

Line Item 2CHAALL0H - LL Organic Prod Equip/Fluid Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H	Matl Steward Steel Workers	Linear	1.728.00	Hours
<i>Factors</i> 1800 Hours 0.96 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	30.327.36	Dollars
<i>Factors</i> 31591 Dollars 0.96 Percentage of activity remaining after								
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear	979.20	Dollars
<i>Factors</i> 1 chemist 12 Hours 85 Dollars per hour 0.96 Percentage of activity remaining after								

Line Item 2CHAASR0H - Source Removal

BOE Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes
 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

WBS No: 1BAC0HDA
 Activity ID: 1BRSNM0210

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	230.40	Hours
Factors	1 Foreman 0.96 Percentage of activity remaining after	6 weeks 40 Hours per week			
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	57.60	Hours
Factors	1 Safeguard & Security 0.96 Percentage of activity remaining after	6 weeks 10 hours per week			
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	922.66	Hours
Factors	961.1 Hours 0.96 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	604.39	Hours
Factors	629.57 Hours 0.96 Percentage of activity remaining after				
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	16.42	Hours
Factors	17.1 Hours 0.96 Percentage of activity remaining after				
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	32.83	Hours
Factors	34.2 Hours 0.96 Percentage of activity remaining after				
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,585.98	Dollars
Factors	2693.73 Dollars 0.96 Percentage of activity remaining after				
A5H SUBCONTRACTED SRVS	0000 NONE	KB30S B707 Facility Disposition	Linear	28,753.92	Dollars
Factors	1 Alpha Group 0.96 Percentage of activity remaining after	416 Hours 72 Dollars per hours			

Line Item 2CHMTSTDH - Standard Maintenance Work Package

BOE	Historical Data Source - Derived from 5 years worth of validated Maintenance costs. Item Desc - Modification packages Breakdown of Historical Data: Item - Modification packages Units - lot Unit Cost - Unit Cost Adjustment factor - 1 Revised Unit Cost -				
Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.					

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	9.60	Hours
Factors	10 HOURS 0.96 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	17.28	Hours
Factors	18 HOURS 0.96 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	17.28	Hours
Factors	18 HOURS 0.96 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	20.16	Hours
Factors	21 hours 0.96 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	17.28	Hours
Factors	18 HOURS 0.96 Percentage of activity remaining after				

WBS No: 1BAC0HDA
 Activity ID: 1BRSNM0210

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	19.20	Hours
Factors		20	hours					
		0.96	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	19.20	Hours
Factors		20	hours					
		0.96	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	7.68	Hours
Factors		8	HOURS					
		0.96	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	5.76	Hours
Factors		6	HOURS					
		0.96	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	1.92	Hours
Factors		2	HOURS					
		0.96	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	1.92	Hours
Factors		2	HOURS					
		0.96	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	17.28	Hours
Factors		18	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	7.68	Hours
Factors		8	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.60	Hours
Factors		1.67	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.77	Hours
Factors		0.8	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.60	Hours
Factors		1.67	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.69	Hours
Factors		0.72	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.61	Hours
Factors		0.64	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	0.15	Hours
Factors		0.16	HOURS					
		0.96	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
Factors		0.08	HOURS					
		0.96	Percentage of activity remaining after					
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,264.00	Dollars
Factors		2	Planners	20	Hours	85	Dollars per hour	
		0.96	Percentage of activity remaining after					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	455.04	Dollars
Factors		474	dollars					
		0.96	Percentage of activity remaining after					

Line Item 2CMDH1000 - Non Line Matl & Equip Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.

WBS No: 1BAC0HDA
 Activity ID: 1BRSNM0210

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	14.40	Hours
Factors	1 Rad Engineer	15 Hours per week				
	0.96 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
Factors	1 SME Tech Support	15 Hours per week				
	0.96 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	38.40	Hours
Factors	1 foreman	40 hours per week				
	0.96 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	144.00	Hours
Factors	5 process specialists	30 hours per week				
	0.96 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	28.80	Hours
Factors	1 RCT	30 Hours per week				
	0.96 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	48.00	Hours
Factors	5 process specialists	10 hours per week				
	0.96 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	9.60	Hours
Factors	1 RCT	10 Hours per week				
	0.96 Percentage of activity remaining after					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	5,000.00	Dollars
Factors	5000 Containers (Carqos,Crates.& Drums)					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	6,582.08	Dollars
Factors	6582.08 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	4,201.67	Dollars
Factors	4201.67 Dollars					

WBS No: 1BAC0HNM Title: SNM Holdup Removal - Module H
 Activity ID: 1BRSNM0209 Description: SNM Holdup Removal - Module H

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMDH1120	PREPAIR ISMS/EWP OR IWCP	1.00	ea	HC	54	54	1,203	5,130	0	6,333	587	6,920
2CMDH1130	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	311	0	311	0	311
2CMDH1540	PREPARE RWP FOR MODULE H	1.00	each	EE	6	6	129	0	0	129	63	192
Total for Activity 1BRSNM0209:						60	1,332	5,441	0	6,773	650	7,423

Line Item 2CMDH1120 - PREPAIR ISMS/EWP OR IWCP

BOE	Description
	Historical Data Source - FMS004, Purchase Requisitions, etc.
	Item Desc - IWCP
	Breakdown of Historical Data:
	Item - IWCP for SNM Holdup Removal

WBS No: 1BAC0HNM
 Activity ID: 1BRSNM0209

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Units - hours/dollars
 Unit Cost - 10.24 hours overtime/129 straighttime/13,345.30 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	0.39	Hours
Factors	1 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	2.72	Hours
Factors	7 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	14.00	Hours
Factors	36 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	2.72	Hours
Factors	7 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C070 PAINTERS	KB20H B707 Facilities Management	Linear	3.50	Hours
Factors	9 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	5.44	Hours
Factors	14 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	2.72	Hours
Factors	7 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	C106S Business Management Office	Linear	0.78	Hours
Factors	2 dollars/iwcp 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	P050 COMPLIANCE INSPECTORS	C210S Facilities Mamt & Maintenance	Linear	2.33	Hours
Factors	6 hours 0.3888 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Enq Envir. Sftv & Quality	Linear	15.55	Hours
Factors	40 Hours 0.3888 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	0.56	Hours
Factors	1.44 hours 0.3888 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	0.39	Hours
Factors	1 hours 0.3888 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	0.56	Hours
Factors	1.44 hours 0.3888 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	C070 PAINTERS	KB20H B707 Facilities Management	Linear	0.28	Hours
Factors	0.72 hours 0.3888 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	0.39	Hours
Factors	1 hours 0.3888 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.56	Hours
Factors	1.44 hours 0.3888 Percentage of activity remaining after					

WBS No: 1BAC0HNM
 Activity ID: 1BRSNM0209

Rocky Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	1.24	Hours
<i>Factors</i> 3.2 Hours								
0.3888 Percentage of activity remaining after								
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB30S	B707 Facility Disposition	Linear	587.87	Dollars
<i>Factors</i> 21 Hours								
0.3888 Percentage of activity remaining after								
A57	LATA	E130	OTHER ENGINEERS	KB30S	B707 Facility Disposition	Linear	264.38	Dollars
<i>Factors</i> 8 Hours								
0.3888 Percentage of activity remaining after								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	2,099.52	Dollars
<i>Factors</i> 75 Hours								
0.3888 Percentage of activity remaining after								
A58	ASI	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	555.98	Dollars
<i>Factors</i> 26 Hours								
0.3888 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	809.36	Dollars
<i>Factors</i> 2081.7 dollars								
0.3888 Percentage of activity remaining after								
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	727.06	Dollars
<i>Factors</i> 22 Hours								
0.3888 Percentage of activity remaining after								
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	85.54	Dollars
<i>Factors</i> 4 Hours								
0.3888 Percentage of activity remaining after								

Line Item 2CMDH1130 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of FY98 SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Complete the safety screen costs and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.

Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost -
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A52	TENERA	E080	NUCLEAR (CRITICALITY) ENGINEER	K279S	Building 707 Closure Project	Linear	311.04 Dollars
<i>Factors</i>		1 dav/area	8 hrs/dav		100 \$/hr.		
0.3888 Percentage of activity remaining after							

Line Item 2CMDH1540 - PREPARE RWP FOR MODULE H

BOE Estimators Experience - Management of FY98 SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

Experience Item Desc - Prepare an RWP for holdup removal activities in 5 areas.

Breakdown of Cost Data:
 Item - Module H RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost -
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	6.22 Hours
<i>Factors</i>		16 Hrs.					
0.3888 Percentage of activity remaining after							

WBS No: 1BAC0HNM
 Activity ID: 1BRSNMR309

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *
 Cost Risk: 1 Schedule Risk: 1
 Starts In FY: *

Activity ID: 1BRSNMR309 Description: SNM Holdup Removal - Module H

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMDH1100	Pre Scans	6.00	each	EE	42	252	6,423	0	0	6,423	3,122	9,545
2CMDH6300	Module H Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	929	2,841
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	113	113	0	113
Total for Activity 1BRSNMR309:						327	8,335	0	113	8,448	4,051	12,499

Line Item 2CMDH1100 - Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours

Factors 42 average hours per scan

Line Item 2CMDH6300 - Module H Final Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours

Factors 75 hours

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	65.74	Dollars

Factors 65.7351 Dollars

ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	47.07	Dollars
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Factors 47.0683 Dollars

WBS No: 1BAC0HVC Title: Vault Closure - H Module

Activity ID: 1BRSNM0505 Description: Vault Closure - Module H

Cost Risk: 1 Schedule Risk: 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTSTVH	Standard Maintenance Work Package	1.00	each	HC	175	175	4,362	3,874	0	8,236	2,111	10,348
2CMDH6900	Vault Closure	1.00	ea	EE	1,182	1,182	26,635	6,800	0	33,435	12,891	46,327
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,035	1,035	0	1,035
Total for Activity 1BRSNM0505:						1,357	30,998	10,674	1,035	42,706	15,003	57,709

Line Item 2CHMTSTVH - Standard Maintenance Work Package

BOE Historical Data Source - Derived from 5 years worth of validated Maintenance costs.

WBS No: 1BAC0HVC
 Activity ID: 1BRSNM0505

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
	Factors 10 HOURS					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
	Factors 21 hours					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 hours					
	750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 hours					
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC H. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	750 STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facility Disposition	Linear	6.00	Hours
	Factors 6 HOURS					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFF	C210S Facilities Mamt & Maintenance	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	751 OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	0.80	Hours
	Factors 0.8 HOURS					
	751 OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.72	Hours
	Factors 0.72 HOURS					
	751 OVERTIME BASE & PRE.	L060 MISSION SUP SPEC II (FLTTC H. WS	KB20H B707 Facilities Management	Linear	0.64	Hours
	Factors 0.64 HOURS					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	0.16	Hours
	Factors 0.16 HOURS					
	751 OVERTIME BASE & PRE.	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	0.08	Hours
	Factors 0.08 HOURS					
	A57 LATA	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	3,400.00	Dollars
	Factors 2 Planners	20 Hours		85 Dollars per hour		

WBS No: 1BAC0HVC
 Activity ID: 1BRSNM0505

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
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Factors 474 dollars

Line Item 2CMDH6900 - Vault Closure

BOE	Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Experience Item Desc - Vault Closure Breakdown of Cost Data: Item - closure of one vault Units - lot Unit Cost - 1,182 hours / \$6,800 Unit Cost Adjustment factor - Revised Unit Cost - 1,182 hours / \$6,800 Basis for adjustment -							
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	84.00	Hours
Factors 84 Hours						
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	242.00	Hours
Factors 242 Hours						
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	480.00	Hours
Factors 480 Hours						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	90.00	Hours
Factors 90 Hours						
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	286.00	Hours
Factors 286 Hours						
A57	LATA	E130 OTHER ENGINEERS	KB30S B707 Facility Disposition	Linear	6,800.00	Dollars
Factors 80 Hours 85 Dollars per Hour						

Line Item SYS - Contingency And Escalation

BOE								
Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	602.91	Dollars		
Factors 602.907 Dollars								
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	431.70	Dollars		
Factors 431.699 Dollars								

WBS No: 1BAC0JDA Title: Deactivation - Module J
 Activity ID: 1BRSNM0188 Description: Deactivation - Module J
 Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDJ2	Computer/Comm. Equipment Disposition	3.66	P1C	HC	1	4	109	0	0	109	51	160
2CB00EDJ3	Office Furniture Disposition	22.50	P1F	HC	1	21	554	0	0	554	262	815
2CHAADR0J	Non-Classified Records Removal	0.06	each	EE	2,480	142	3,184	5,548	0	8,731	1,505	10,236
2CHAALLOJ	LL Organic Prod Equip/Fluid Removal	0.05	each	EE	1,800	91	1,854	1,642	0	3,496	876	4,372
2CHAASR0J	Source Removal	0.09	each	EE	1,942	171	3,740	2,878	0	6,618	1,768	8,386
2CHMTMDDJ	Modification Maintenance Package	2.80	ea	HC	349	978	23,699	51,914	0	75,614	11,202	86,815
2CHMTSTDJ	Standard Maintenance Work Package	10.70	ea	HC	175	1,870	46,677	41,452	0	88,129	22,062	110,190
2CMDJ7105	Non Line Matl & Equip Removal	4.00	wk	EE	310	1,240	31,569	20,000	0	51,569	14,921	66,490
2CMDJ7205	GB Line Contaminated Matl & Equip Removal	0.10	lot	EE	7,508	751	17,844	1,084	0	18,928	8,434	27,362
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	17,179	17,179	0	17,179
Total for Activity 1BRSNM0188:						5,267	129,230	124,517	17,179	270,925	61,080	332,005

Line Item 2CB00EDJ2 - Computer/Comm. Equipment Disposition

BOE	Resource unit values are from Disposal Cost Model. Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]							
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
Factors 0.2 Hazard Assessment						

WBS No: 1BAC0JDA
 Activity ID: 1BRSNM0188

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP.	KB20H	B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal								
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey								

Line Item 2CB00EDJ3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00 Hours
<i>Factors</i> 0 Hazard Assessment					
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	KB20H B707 Facilities Management	Linear	0.30 Hours
<i>Factors</i> 0.3 Readiness/Removal					
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10 Hours
<i>Factors</i> 0.1 Material Handling					
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10 Hours
<i>Factors</i> 0.1 Administrative					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20 Hours
<i>Factors</i> 0.2 Transportation					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25 Hours
<i>Factors</i> 0.25 Administrative					
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00 Hours
<i>Factors</i> 0 Rad Survey					

Line Item 2CHAADR0J - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	720.00 Hours
<i>Factors</i> 80 days 9 hours per day (1 foreman)					
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1.440.00 Hours
<i>Factors</i> 80 days 18 hours per day (2 process spec.)					
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	320.00 Hours
<i>Factors</i> 80 days 4 hours per day					
A52	TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	51.975.00 Dollars
<i>Factors</i> 60 days 15.75 hours per day (1.75 Admin Support) 55 dollars per hour					
A55	SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	43.200.00 Dollars
<i>Factors</i> 60 days 18 hours per day (2 Doc Control) 40 dollars per hour					

WBS No: 1BAC0JDA
 Activity ID: 1BRSNM0188

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,000.00	Dollars
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Factors 2000 dollars

Line Item 2CHAALLOJ - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Matl Steward Steel Workers	Linear	1,800.00	Hours
Factors 1800 Hours					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	31,591.00	Dollars
Factors 31591 Dollars					
A5H SUBCONTRACTED SRVS	S010 CHEMISTS	KB30S B707 Facility Disposition	Linear	1,020.00	Dollars
Factors 1 chemist 12 Hours 85 Dollars per hour					

Line Item 2CHAASR0J - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes
 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -
 Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
Factors 1 Foreman 6 weeks 40 Hours per week					
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
Factors 1 Safeguard & Security 6 weeks 10 hours per week					
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
Factors 961.1 Hours					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	629.57	Hours
Factors 629.57 Hours					
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
Factors 17.1 Hours					

WBS No: 1BAC0JDA
 Activity ID: 1BRSNM0188

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i> 34.2 Hours								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i> 2693.73 Dollars								
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i> 1 Alpha Group 416 Hours 72 Dollars per hours								

Line Item 2CHMTMDDJ - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	18.00
<i>Factors</i> 18 hours							
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	36.00
<i>Factors</i> 36 hours							
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	40.00
<i>Factors</i> 40 hours							
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	36.00
<i>Factors</i> 36 hours							
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	80.00
<i>Factors</i> 80 hours							
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	80.00
<i>Factors</i> 80 hour							
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mamt & Maintenance	Linear	6.00
<i>Factors</i> 6 hours							
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	40.00
<i>Factors</i> 40 Hours							
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	1.44
<i>Factors</i> 1.44 hours							
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88
<i>Factors</i> 2.88 hours							
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44
<i>Factors</i> 1.44 hours							
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88
<i>Factors</i> 2.88 hours							
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44
<i>Factors</i> 1.44 hours							
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	3.20
<i>Factors</i> 3.2 Hours							
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	74.58
<i>Factors</i> 1 engineer 1 hour 74.58 dollars per hour							
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	2,400.00
<i>Factors</i> 1 engineer 40 hours per week 1 week 60 dollars per hour							
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Ena Envir. Sftv & Quality	Linear	2,800.00
<i>Factors</i> 1 engineer 40 hours 70 dollars per hour							

WBS No: 1BAC0JDA
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Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
<i>Factors</i>		1	engineer	20	hours	75.62	dollars per hour	
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
<i>Factors</i>		2	planners	40	hours	68.25	dollars per hour	
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
<i>Factors</i>		1	engineer	20	hours	70.72	dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i>		2081.7	dollars					
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i>		1	engineer	20	hours	94	dollars per hour	
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
<i>Factors</i>		1	engineer	3	hours	77.9	dollars per hour	
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
<i>Factors</i>		1	engineer	10	hours	68.4	dollars per hour	

Line Item 2CHMTSTDJ - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i>		10	HOURS					
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i>		21	hours					
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>		20	hours					
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>		20	hours					
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i>		8	HOURS					
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i>		6	HOURS					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	C210S	Facilities Mamt & Maintenance	Linear	2.00	Hours
<i>Factors</i>		2	HOURS					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i>		2	HOURS					
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18	HOURS					
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i>		8	HOURS					

WBS No: 1BAC0JDA
 Activity ID: 1BRSNM0188

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDJ7105 - Non Line Matl & Equip Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E080	NUCLEAR (CRITICALITY) ENGINEER	S100S	SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 Rad Engineer 15 Hours per week								
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 SME Tech Support 15 Hours per week								
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	40.00	Hours
<i>Factors</i> 1 foreman 40 hours per week								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	150.00	Hours
<i>Factors</i> 5 process specialists 30 hours per week								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	30.00	Hours
<i>Factors</i> 1 RCT 30 Hours per week								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	50.00	Hours
<i>Factors</i> 5 process specialists 10 hours per week								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	10.00	Hours
<i>Factors</i> 1 RCT 10 Hours per week								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	5,000.00	Dollars
<i>Factors</i> 5000 Containers (Cargos.Crates.& Drums)								

Line Item 2CMDJ7205 - GB Line Contaminated Matl & Equip Removal

BOE Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -

WBS No: 1BAC0JDA
 Activity ID: 1BRSNM0188

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -
 Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	420.00	Hours
Factors	350 Bag Cuts	1 foremen	1.2 hours per bag cut			
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	2.730.00	Hours
Factors	84 boxes	5 process specialists	6.5 hours per box			
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	875.00	Hours
Factors	350 BAG CUTS	5 Process Specialists	0.5 Hours per cut			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 End Envir. Sfty & Quality	Linear	1.344.00	Hours
Factors	84 Boxes	2 RCTs	8 Hours per box			
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 End Envir. Sfty & Quality	Linear	350.00	Hours
Factors	350 bag cuts	2 RCTs	0.5 Hours			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	840.00	Hours
Factors	84 boxes	5 process specialists	2 hours per box			
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	437.50	Hours
Factors	350 BAG CUTS	5 Process Specialists	0.25 Hours per cut			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 End Envir. Sfty & Quality	Linear	175.00	Hours
Factors	84 Boxes	2 RCTs	0.25 Hours			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 End Envir. Sfty & Quality	Linear	336.00	Hours
Factors	350 bag cuts	2 RCTs	0.25 Hours			
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 End Envir. Sfty & Quality	Linear	336.00	Hours
Factors	84 Boxes	2 RCTs	2 Hours per box			
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	10.836.00	Dollars
Factors	10836 Dollars					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	10.288.50	Dollars
Factors	10288.5 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	6.890.09	Dollars
Factors	6890.09 Dollars					

WBS No: 1BAC0JNM Title: SNM Holdup Removal - Module J

Activity ID: 1BRSNM0176 Description: SNM Holdup Removal - Module J

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMDJ1101	Module J Pre Scans	5.00	lea	EE	42	210	5.353	0	0	5.353	2.612	7.965
Total for Activity 1BRSNM0176:						210	5.353	0	0	5.353	2.612	7.965

Line Item 2CMDJ1101 - Module J Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours
Factors	42 average hours per scan					

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR162

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *
 Starts In FY: *
 Cost Risk: 1 Schedule Risk: 1

Activity ID: 1BRSNMR162 Description: SNM Holdup Removal - JK Centerline

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMDJK	Modification Maintenance Package	2.00	each	HC	349	699	16,928	37,082	0	54,010	8,174	62,184
2CHMTSTJK	Standard Maintenance Work Package	5.00	each	HC	175	874	21,812	19,370	0	41,182	10,532	51,714
2CMDT1520	Procedures Verification	2.00	each	EE	3	6	155	230	0	385	75	460
2CMDT1530	Complete Safety Screen and PRC Approval	1.00	each	EE	0	0	0	800	0	800	0	800
2CMDT1540	Perform ALARA Review	1.00	each	EE	14	14	493	0	0	493	238	731
2CMDT1550	Prepare RWP for J/K Transfer Line	1.00	each	EE	16	16	332	0	0	332	160	492
2CMDT3100	J/K Transfer Line Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,288	34,550
2CMDT3200	J/K Transfer Line Area 2	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,288	34,550
2CMDT3300	J/K Transfer Line Area 3	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,288	34,550
2CMDT3400	J/K Transfer Line Area 4	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,288	34,550
2CMDT6100	J/K Transfer Line Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,518	22,960
2CMDT6300	J/K Transfer Line Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	923	2,835
ISYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	6,942	6,942	0	6,942
Total for Activity 1BRSNMR162:						5,385	130,117	87,482	6,942	224,541	62,775	287,316

Line Item 2CHMTMDJK - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 hours						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	40.00	Hours
<i>Factors</i> 40 hours						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	80.00	Hours
<i>Factors</i> 80 hours						
750	STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	80.00	Hours
<i>Factors</i> 80 hour						
750	STRAIGHT TIME BASE	P050 COMPLIANCE INSPECTORS	C210S Facilities Mamt & Maintenance	Linear	6.00	Hours
<i>Factors</i> 6 hours						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	40.00	Hours
<i>Factors</i> 40 Hours						
751	OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours						
751	OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours						
751	OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours						
751	OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i> 2.88 hours						

WBS No: 1BAC0JNM
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Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i> 1.44 hours								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	3.20	Hours
<i>Factors</i> 3.2 Hours								
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
<i>Factors</i> 1 engineer 1 hour 74.58 dollars per hour								
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
<i>Factors</i> 1 engineer 40 hours per week 1 week 60 dollars per hour								
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
<i>Factors</i> 1 engineer 40 hours 70 dollars per hour								
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
<i>Factors</i> 1 engineer 20 hours 75.62 dollars per hour								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
<i>Factors</i> 2 planners 40 hours 68.25 dollars per hour								
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
<i>Factors</i> 1 engineer 20 hours 70.72 dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i> 2081.7 dollars								
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i> 1 engineer 20 hours 94 dollars per hour								
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
<i>Factors</i> 1 engineer 10 hours 68.4 dollars per hour								
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
<i>Factors</i> 1 engineer 3 hours 77.9 dollars per hour								

Line Item 2CHMTSTJK - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								

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Project Baseline Devl
 WBS Filter 1BAC
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Starts In FY *

750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMTD1520 - Procedures Verification

BOE	Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.							
	Experience Item Desc - Verification that current and applicable procedures are in place prior to holdup removal activities.							
	Breakdown of Cost Data:							
	Item - Procedures Verification							
	Units - lot							
	Unit Cost - 3.2 hours/115.20 dollars							
	Unit Cost Adjustment factor -							
	Revised Unit Cost - 3.2 hours/115.20 dollars							
	Basis for adjustment -							

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.									
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.									
	A57	LATA	P160	TECHNICAL WRITERS AND EDITOR	KB30S	B707 Facility Disposition	Linear	115.20	Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.									

Line Item 2CMTD1530 - Complete Safety Screen and PRC Approval

BOE	Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.							
	Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.							
	Breakdown of Cost Data:							
	Item - Safety Screen							
	Units - lot							

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Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	A52 TENERA	E080 NUCLEAR (CRITICALITY) ENGINEER	KB50S B707 Eng Envir. Sftv & Quality	Linear	800.00	Dollars
<i>Factors</i>	1 day/area	8 hrs/day		100 \$/hr.		

Line Item 2CMDT1540 - Perform ALARA Review

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

 Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
<i>Factors</i>	9 hours/day (Rad Engineer)	1.6 days per module				

Line Item 2CMDT1550 - Prepare RWP for J/K Transfer Line

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

 Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	16.00	Hours
<i>Factors</i>	16 Hrs.					

Line Item 2CMDT3100 - J/K Transfer Line, Area 1

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4 Filter Techs	9 hours				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1 Foreman	9 hours				

WBS No: 1BAC0JNM
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Rockv Flats Closure Project
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Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDT3200 - J/K Transfer Line, Area 2

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units			
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours	
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours	
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours	
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours	
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours	
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours	
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours	
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours	
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR162

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CMDT3300 - J/K Transfer Line, Area 3

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750		STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4	Filter Techs	9 hours				
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1	Foreman	9 hours				
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>	1	Foreman	7 Days	9 Hours per day			
750		STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42	hours	0 Funded by NDA Program (M/S)				
750		STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>	6	Process Specialists	7 Days	9 Hours per day			
750		STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sfty & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2	RCTs	7 Days	9 Hours per day			
750		STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4	hours					
751		OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1	Foreman	7 Days	3 Hour per day			
751		OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>	6	Process Spec	7 Days	3 Hours per day			
751		OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sfty & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2	RCTs	7 Days	3 Hours per day			
A5C		SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6.000.00	Dollars
<i>Factors</i>	6000	Dollars					

Line Item 2CMDT3400 - J/K Transfer Line, Area 4

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750		STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC	KB20H B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4	Filter Techs	9 hours				
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1	Foreman	9 hours				

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR162

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Project: Baseline Devl
 WBS Filter: 1BAC
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750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDT6100 - J/K Transfer Line Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
<i>Factors</i>	1 Foreman		4 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
<i>Factors</i>	6 Process Specialists		4 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
<i>Factors</i>	2 RCTs		4 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
<i>Factors</i>	1 Foreman		4 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
<i>Factors</i>	6 Process Spec		4 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
<i>Factors</i>	2 RCTs		4 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR162

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CMDT6300 - J/K Transfer Line Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
<i>Factors</i> 75 hours						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	4.045.41	Dollars
<i>Factors</i> 4045.42 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	2.896.64	Dollars
<i>Factors</i> 2896.64 Dollars						

Activity ID: 1BRSNMR176 Description: SNM Holdup Removal - Module J

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMDSJ	Modification Maintenance Package	2.80	ea	HC	349	978	23.699	51.914	0	75.614	11.385	86.999
2CHMTSTSJ	Standard Maintenance Work Package	7.80	ea	HC	175	1,363	34.026	30.217	0	64.243	16.346	80.589
2CMDJ1520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDJ1530	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800
2CMDJ1540	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	237	729
2CMDJ1550	PREPARE RWP FOR MODULE J	1.00	each	EE	16	16	332	0	0	332	159	491
2CMDJ3100	Module J Area 1	1.00	each	FF	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ3200	Module J Area 2	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ3300	Module J Area 3	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ3400	Module J Area 4	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ4000	Module J Area 5	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ4100	Module J Area 6	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ4200	Module J Area 7	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ4300	Module J Area 8	1.00	each	EE	805	805	19.261	6.000	0	25.261	9.245	34.506
2CMDJ6100	Module J Rework	1.00	each	EE	481	481	11.442	6.000	0	17.442	5.492	22.934
2CMDJ6300	Module J Final Scans	1.00	each	EE	75	75	1.912	0	0	1.912	918	2.830
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	17.013	17.013	0	17.013
Total for Activity 1BRSNMR176:						9.371	226.070	137.047	17.013	380.129	108.537	488.667

Line Item 2CHMTMDSJ - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	18.00	Hours
Factors	18	hours						
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	36	hours						
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	40.00	Hours
Factors	40	hours						
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	36	hours						
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	80.00	Hours
Factors	80	hours						
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	80.00	Hours
Factors	80	hour						
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mgmt & Maintenance	Linear	6.00	Hours
Factors	6	hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	40.00	Hours
Factors	40	Hours						
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	1.44	Hours
Factors	1.44	hours						
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88	Hours
Factors	2.88	hours						
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
Factors	1.44	hours						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
Factors	2.88	hours						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
Factors	1.44	hours						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	3.20	Hours
Factors	3.2	Hours						
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
Factors	1	engineer	1	hour			74.58	dollars per hour
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
Factors	1	engineer	40	hours per week	1	week	60	dollars per hour
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
Factors	1	engineer	40	hours			70	dollars per hour
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
Factors	1	engineer	20	hours			75.62	dollars per hour
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
Factors	2	planners	40	hours			68.25	dollars per hour
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
Factors	1	engineer	20	hours			70.72	dollars per hour
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
Factors	2081.7	dollars						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
Factors	1	engineer	20	hours			94	dollars per hour
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
Factors	1	engineer	3	hours			77.9	dollars per hour
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
Factors	1	engineer	10	hours			68.4	dollars per hour

Line Item 2CHMTSTSJ - Standard Maintenance Work Package

BOE

Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE Factors 10 HOURS	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
750 STRAIGHT TIME BASE Factors 21 hours	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
750 STRAIGHT TIME BASE Factors 20 hours	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
750 STRAIGHT TIME BASE Factors 20 hours	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
750 STRAIGHT TIME BASE Factors 8 HOURS	L060 MISSION SUP SPEC II (FLTTCCH.WS	KB20H B707 Facilities Management	Linear	8.00	Hours
750 STRAIGHT TIME BASE Factors 6 HOURS	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facility Disposition	Linear	6.00	Hours
750 STRAIGHT TIME BASE Factors 2 HOURS	P170 OTHER ADMINISTRATIVE & PROFF	C210S Facilities Mgmt & Maintenance	Linear	2.00	Hours
750 STRAIGHT TIME BASE Factors 2 HOURS	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envr. Sftv & Quality	Linear	2.00	Hours
750 STRAIGHT TIME BASE Factors 18 HOURS	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
751 OVERTIME BASE & PRE. Factors 8 HOURS	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
751 OVERTIME BASE & PRE. Factors 1.67 HOURS	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
751 OVERTIME BASE & PRE. Factors 0.8 HOURS	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	0.80	Hours
751 OVERTIME BASE & PRE. Factors 1.67 HOURS	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	1.67	Hours
751 OVERTIME BASE & PRE. Factors 0.72 HOURS	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.72	Hours
751 OVERTIME BASE & PRE. Factors 0.64 HOURS	L060 MISSION SUP SPEC II (FLTTCCH.WS	KB20H B707 Facilities Management	Linear	0.64	Hours
751 OVERTIME BASE & PRE. Factors 0.16 HOURS	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envr. Sftv & Quality	Linear	0.16	Hours
751 OVERTIME BASE & PRE. Factors 0.08 HOURS	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	0.08	Hours
A57 LATA Factors 2 Planners 20 Hours	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	3,400.00	Dollars
A5C SUPPLIES Factors 474 dollars	0000 NONE	KB30S B707 Facility Disposition	Linear	474.00	Dollars

Line Item 2CMDJ1520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - Verification that current and applicable procedures are in place prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.						
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.						
	A57 LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20	Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.						

Line Item 2CMDJ1530 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.
 Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	A52 TENERA	E080 NUCLEAR (CRITICALITY) ENGINEER	KB50S B707 Env Envir. Sftv & Quality	Linear	800.00	Dollars
<i>Factors</i> 1 day/area 8 hrs/dav 100 \$/hr.						

Line Item 2CMDJ1540 - PERFORM ALARA REVIEW

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
<i>Factors</i> 9 hours/day (Rad Engineer) 1.6 days per module						

Line Item 2CMDJ1550 - PREPARE RWP FOR MODULE J

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Linear	16.00	Hours

Factors 16 Hrs.

Line Item 2CMDJ3100 - Module J, Area 1

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facilitv Disposition	Linear	378.00	Hours
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Back Loaded	126.00	Hours
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facilitv Disposition	Linear	126.00	Hours
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Max Backload	42.00	Hours
	A5C SUPPLIES	0000 NONE	KB30S B707 Facilitv Disposition	Linear	6.000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDJ3200 - Module J, Area 2

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Davs	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Davs	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Davs	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Davs	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Davs	3	Hours per dav		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Davs	3	Hours per dav		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDJ3300 - Module J, Area 3

BOE

Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units			
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Davs	9	Hours per dav		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Davs	9	Hours per dav		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Davs	9	Hours per dav		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Davs	3	Hour per dav		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Davs	3	Hours per dav		

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDJ3400 - Module J, Area 4

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDJ4000 - Module J, Area 5

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
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WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *
 Baseline Devl: 1BAC

								Starts In FY	*
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management		Linear	36.00	Hours
Factors	4 Filter Techs		9 hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems		Linear	9.00	Hours
Factors	1 Foreman		9 hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried		Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per dav				
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried		Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)						
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition		Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per dav				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality		Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per dav				
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management		Linear	4.00	Hours
Factors	4 hours								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried		Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per dav				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition		Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per dav				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality		Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per dav				
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition		Linear	6,000.00	Dollars
Factors	6000 Dollars								

Line Item 2CMDJ4100 - Module J, Area 6

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

								Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management		Linear	36.00	Hours
Factors	4 Filter Techs		9 hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems		Linear	9.00	Hours
Factors	1 Foreman		9 hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried		Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per dav				
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried		Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)						
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition		Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per dav				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality		Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per dav				
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management		Linear	4.00	Hours
Factors	4 hours								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried		Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per dav				
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition		Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per dav				

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDJ4200 - Module J, Area 7

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4 Filter Techs		9 hours					
	750 STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1 Foreman		9 hours					
	750 STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>	1 Foreman		7 Days		9 Hours per day			
	750 STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)					
	750 STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>	6 Process Specialists		7 Days		9 Hours per day			
	750 STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2 RCTs		7 Days		9 Hours per day			
	750 STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
	751 OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1 Foreman		7 Days		3 Hour per day			
	751 OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>	6 Process Spec		7 Days		3 Hours per day			
	751 OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDJ4300 - Module J, Area 8

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units
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WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>	1 Foreman		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	378.00	Hours
<i>Factors</i>	6 Process Specialists		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>	2 RCTs		7 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>	1 Foreman		7 Days		3 Hour per dav			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	126.00	Hours
<i>Factors</i>	6 Process Spec		7 Days		3 Hours per dav			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>	2 RCTs		7 Days		3 Hours per dav			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	6,000.00	Dollars
<i>Factors</i>	6000 Dollars							

Line Item 2CMDJ6100 - Module J Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
<i>Factors</i>	1 Foreman		4 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	216.00	Hours
<i>Factors</i>	6 Process Specialists		4 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
<i>Factors</i>	2 RCTs		4 Days		9 Hours per dav			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
<i>Factors</i>	1 Foreman		4 Days		3 Hour per dav			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facilitv Disposition	Linear	72.00	Hours
<i>Factors</i>	6 Process Spec		4 Days		3 Hours per dav			

WBS No: 1BAC0JNM
 Activity ID: 1BRSNMR176

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
Factors	2 RCTs		4 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars

Factors 6000 Dollars

Line Item 2CMDJ6300 - Module J Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
Factors	75 hours					

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	9,978.82	Dollars
Factors	9978.82 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	7,034.46	Dollars
Factors	7034.46 Dollars					

WBS No: 1BAC0JVC Title: Vault Closure - J Module
 Activity ID: 1BRSNM0510 Description: Vault Closure - Module J Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTSTVJ	Standard Maintenance Work Package	1.00	each	HC	175	175	4,362	3,874	0	8,236	1,509	9,746
2CMDJ9120	Vault Closure	1.00	ea	FF	1,182	1,182	26,635	6,800	0	33,435	9,216	42,651
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	14,527	14,527	0	14,527
Total for Activity 1BRSNM0510:						1,357	30,998	10,674	14,527	56,198	10,725	66,924

Line Item 2CHMTSTVJ - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
Factors	10 HOURS					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors	18 HOURS					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors	18 HOURS					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
Factors	21 hours					

WBS No: 1BAC0JVC
 Activity ID: 1BRSNM0510

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDJ9120 - Vault Closure

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Vault Closure
 Breakdown of Cost Data:
 Item - closure of one vault
 Units - lot
 Unit Cost - 1,182 hours / \$6,800
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,182 hours / \$6,800
 Basis for adjustment -

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	84.00	Hours
<i>Factors</i> 84 Hours								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	242.00	Hours
<i>Factors</i> 242 Hours								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	480.00	Hours
<i>Factors</i> 480 Hours								

WBS No: 1BAC0JVC
 Activity ID: 1BRSNM0510

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	90.00	Hours
<i>Factors</i> 90 Hours								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	286.00	Hours
<i>Factors</i> 286 Hours								
A57	LATA	E130	OTHER ENGINEERS	KB30S	B707 Facility Disposition	Linear	6,800.00	Dollars
<i>Factors</i> 80 Hours								
							85	Dollars per Hour

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	10,508.77	Dollars
<i>Factors</i> 10508.8 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	4,018.06	Dollars
<i>Factors</i> 4018.06 Dollars								

WBS No: 1BAC0KDA Title: Deactivation - Module K

Activity ID: 1BRSNM0178 Description: Deactivation - Module K

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDK2	Computer/Comm. Equipment Disposition	3.66	P1C	HC	1	4	109	0	0	109	52	161
2CB00EDK3	Office Furniture Disposition	23.50	P1F	HC	1	22	578	0	0	578	276	854
2CHAADR0K	Non-Classified Records Removal	0.08	each	EE	2,480	189	4,245	7,397	0	11,641	2,025	13,666
2CHAALL0K	LI Organic Prod Equip/Fluid Removal	0.05	each	EE	1,800	91	1,854	1,642	0	3,496	884	4,380
2CHAASR0K	Source Removal	0.09	each	EE	1,942	171	3,740	2,878	0	6,618	1,784	8,402
2CHMTSTDK	Standard Maintenance Work Package	7.70	ea	HC	175	1,345	33,590	29,830	0	63,420	16,022	79,442
2CMDK7105	Non Line Matl & Equip Removal	4.00	wk	EE	310	1,240	31,569	20,000	0	51,569	15,058	66,627
2CMDK7205	GB Line Contaminated Matl & Equip Removal	0.10	lot	EE	7,508	751	17,844	1,084	0	18,928	8,512	27,439
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	10,846	10,846	0	10,846
Total for Activity 1BRSNM0178:						3,813	93,529	62,830	10,846	167,205	44,613	211,818

Line Item 2CB00EDK2 - Computer/Comm. Equipment Disposition

BOE

Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment								
750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP)	KB20H	B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal								
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey								

Line Item 2CB00EDK3 - Office Furniture Disposition

BOE

Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear	0.00	Hours
<i>Factors</i> 0 Hazard Assessment								

WBS No: 1BAC0KDA
 Activity ID: 1BRSNM0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP.	KB20H	B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i> 0.3 Readiness/Removal								
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey								

Line Item 2CHAADR0K - Non-Classified Records Removal

BOE
 Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	720.00	Hours
<i>Factors</i> 80 days 9 hours per day (1 foreman)					
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,440.00	Hours
<i>Factors</i> 80 days 18 hours per day (2 process spec.)					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	320.00	Hours
<i>Factors</i> 80 days 4 hours per day					
A52 TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	51,975.00	Dollars
<i>Factors</i> 60 days 15.75 hours per day (1.75 Admin Support) 55 dollars per hour					
A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	43,200.00	Dollars
<i>Factors</i> 60 days 18 hours per day (2 Doc Control) 40 dollars per hour					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,000.00	Dollars
<i>Factors</i> 2000 dollars					

Line Item 2CHAALL0K - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excellto Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Mail Steward Steel Workers	Linear	1,800.00	Hours
<i>Factors</i> 1800 Hours					
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	31,591.00	Dollars
<i>Factors</i> 31591 Dollars					

WBS No: 1BAC0KDA
 Activity ID: 1BRSNM0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *
 Starts In FY: *

A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear	1,020.00	Dollars
<i>Factors</i>	1 chemist		12 Hours			85 Dollars per hour		

Line Item 2CHAASR0K - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes

Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -

Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
<i>Factors</i>	1 Foreman	6 weeks		40 Hours per week	
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
<i>Factors</i>	1 Safeguard & Security	6 weeks		10 hours per week	
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
<i>Factors</i>	961.1 Hours				
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	629.57	Hours
<i>Factors</i>	629.57 Hours				
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	17.10	Hours
<i>Factors</i>	17.1 Hours				
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i>	34.2 Hours				
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i>	2693.73 Dollars				
A5H SUBCONTRACTED SRVS	0000 NONE	KB30S B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i>	1 Alpha Group	416 Hours	72 Dollars per hours		

Line Item 2CHMTSTDK - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i>	10 HOURS				

WBS No: 1BAC0KDA
 Activity ID: 1BRSNM0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDK7105 - Non Line Matl & Equip Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

WBS No: 1BAC0KDA
 Activity ID: 1BRSNM0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Resources	Cost Element	Quantity	Skill	Department	Curve	Starts In FY	Units
	750 STRAIGHT TIME BASE	E080	NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear		15.00 Hours
	Factors 1 Rad Engineer		15 Hours per week				
	750 STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S SSOC Salaried	Linear		15.00 Hours
	Factors 1 SME Tech Support		15 Hours per week				
	750 STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear		40.00 Hours
	Factors 1 foreman		40 hours per week				
	750 STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear		150.00 Hours
	Factors 5 process specialists		30 hours per week				
	750 STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Linear		30.00 Hours
	Factors 1 RCT		30 Hours per week				
	751 OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear		50.00 Hours
	Factors 5 process specialists		10 hours per week				
	751 OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Linear		10.00 Hours
	Factors 1 RCT		10 Hours per week				
	A5C SUPPLIES	0000	NONE	KB30S B707 Facility Disposition	Linear		5.000.00 Dollars
	Factors 5000 Containers (Cargos,Crates.& Drums)						

Line Item 2CMDK7205 - GB Line Contaminated Mat & Equip Removal

BOE
 Estimators Experience - Estimate based on similar prior experience (B776/777), and adjusted to meet the needs of B707.
 Experience Item Desc - Glovebox Line Contaminated Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Glovebox Line Contaminated Material & Equipment Removal
 Units - lot
 Unit Cost - 9,181 Hrs / \$11,248
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,181 Hrs / \$11,248
 Basis for adjustment -
 Line Item Quantity adjusted to reflect estimated percentage of total estimate, that has been deemed to be allocated to this module.

Resources	Cost Element	Quantity	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear		420.00 Hours
	Factors 350 Bag Cuts		1 foremen	1.2 hours per bag cut			
	750 STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear		875.00 Hours
	Factors 350 BAG CUTS		5 Process Specialists	0.5 Hours per cut			
	750 STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear		2.730.00 Hours
	Factors 84 boxes		5 process specialists	6.5 hours per box			
	750 STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Linear		350.00 Hours
	Factors 350 bag cuts		2 RCTs	0.5 Hours			
	750 STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Linear		1.344.00 Hours
	Factors 84 Boxes		2 RCTs	8 Hours per box			
	751 OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear		840.00 Hours
	Factors 84 boxes		5 process specialists	2 hours per box			
	751 OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear		437.50 Hours
	Factors 350 BAG CUTS		5 Process Specialists	0.25 Hours per cut			
	751 OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Linear		175.00 Hours
	Factors 350 bag cuts		2 RCTs	0.25 Hours			
	751 OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H B707 Env. Sftv & Quality	Linear		336.00 Hours
	Factors 84 Boxes		2 RCTs	2 Hours per box			
	A5C SUPPLIES	0000	NONE	KB30S B707 Facility Disposition	Linear		10.836.00 Dollars
	Factors 10836 Dollars						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Quantity	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0KDA
 Activity ID: 1BRSNM0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	6,620.19	Dollars
<i>Factors</i> 6620.19 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	4,225.99	Dollars
<i>Factors</i> 4225.99 Dollars								

WBS No: 1BAC0KNM Title: SNM Holdup Removal - Module K
 Activity ID: 1BRSNM0184 Description: SNM Holdup Removal - Module K Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMSDK	Modification Maintenance Package	4.80	ea	HC	349	1,677	40,628	88,996	0	129,623	19,570	149,194
2CHMTSTSK	Standard Maintenance Work Package	5.00	ea	HC	175	874	21,812	19,370	0	41,182	10,507	51,688
2CMDK3100	Module K, Area 1	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK3200	Module K, Area 2	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK3300	Module K, Area 3	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK4000	Module K, Area 4	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK4100	Module K, Area 5	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK4200	Module K, Area 6	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK5000	Module K, Area 7	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK5100	Module K, Area 8	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK5200	Module K, Area 9	1.00	each	EE	805	805	19,261	6,000	0	25,261	9,268	34,529
2CMDK6100	Module K Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,506	22,948
2CMDK6300	Module K Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	921	2,833
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	16,454	16,454	0	16,454
Total for Activity 1BRSNM0184:						10.351	249,142	168,366	16,454	433,962	119,913	553,875

Line Item 2CHMTMSDK - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear 18.00 Hours
<i>Factors</i> 18 hours						
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear 36.00 Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear 40.00 Hours
<i>Factors</i> 40 hours						
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear 36.00 Hours
<i>Factors</i> 36 hours						
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear 80.00 Hours
<i>Factors</i> 80 hours						
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear 80.00 Hours
<i>Factors</i> 80 hour						
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mamt & Maintenance	Linear 6.00 Hours
<i>Factors</i> 6 hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Enviro. Sftv & Quality	Linear 40.00 Hours
<i>Factors</i> 40 Hours						
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear 1.44 Hours
<i>Factors</i> 1.44 hours						

WBS No: 1BAC0KMN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i>		2.88 hours						
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
<i>Factors</i>		2.88 hours						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
<i>Factors</i>		1.44 hours						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	3.20	Hours
<i>Factors</i>		3.20 Hours						
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
<i>Factors</i>		1 engineer 1 hour				74.58 dollars per hour		
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
<i>Factors</i>		1 engineer 40 hours per week		1 week		60 dollars per hour		
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
<i>Factors</i>		1 engineer 40 hours				70 dollars per hour		
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
<i>Factors</i>		1 engineer 20 hours				75.62 dollars per hour		
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
<i>Factors</i>		2 planners 40 hours				68.25 dollars per hour		
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
<i>Factors</i>		1 engineer 20 hours				70.72 dollars per hour		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i>		2081.7 dollars						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i>		1 engineer 20 hours				94 dollars per hour		
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
<i>Factors</i>		1 engineer 3 hours				77.9 dollars per hour		
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
<i>Factors</i>		1 engineer 10 hours				68.4 dollars per hour		

Line Item 2CHMTSTSK - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units			
	750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i>		10 HOURS							
	750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18 HOURS							
	750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18 HOURS							
	750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i>		21 hours							
	750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>		18 HOURS							

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: *
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours	
<i>Factors</i>		20	hours						
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours	
<i>Factors</i>		20	hours						
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours	
<i>Factors</i>		8	HOURS						
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours	
<i>Factors</i>		6	HOURS						
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours	
<i>Factors</i>		2	HOURS						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours	
<i>Factors</i>		2	HOURS						
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours	
<i>Factors</i>		18	HOURS						
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours	
<i>Factors</i>		8	HOURS						
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours	
<i>Factors</i>		1.67	HOURS						
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours	
<i>Factors</i>		0.8	HOURS						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours	
<i>Factors</i>		1.67	HOURS						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours	
<i>Factors</i>		0.72	HOURS						
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours	
<i>Factors</i>		0.64	HOURS						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours	
<i>Factors</i>		0.16	HOURS						
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours	
<i>Factors</i>		0.08	HOURS						
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars	
<i>Factors</i>		2	Planners	20	Hours	85	Dollars per hour		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars	
<i>Factors</i>		474	dollars						

Line Item 2CMDK3100 - Module K, Area 1

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>		4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>		1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>		1	Foreman	7	Days	9	Hours per day		

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>		42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>		6	Process Specialists	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>		2	RCTs	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>		4	hours					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>		1	Foreman	7	Days	3	Hour per day	
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>		6	Process Spec	7	Days	3	Hours per day	
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>		2	RCTs	7	Days	3	Hours per day	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>		6000	Dollars					

Line Item 2CMDK3200 - Module K, Area 2

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
<i>Factors</i>		4	Filter Techs	9	hours			
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
<i>Factors</i>		1	Foreman	9	hours			
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
<i>Factors</i>		1	Foreman	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>		42	hours	0	Funded by NDA Program (M/S)			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
<i>Factors</i>		6	Process Specialists	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
<i>Factors</i>		2	RCTs	7	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>		4	hours					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
<i>Factors</i>		1	Foreman	7	Days	3	Hour per day	
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
<i>Factors</i>		6	Process Spec	7	Days	3	Hours per day	
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
<i>Factors</i>		2	RCTs	7	Days	3	Hours per day	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>		6000	Dollars					

Line Item 2CMDK3300 - Module K, Area 3

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spoc	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors	6000	Dollars						

Line Item 2CMDK4000 - Module K, Area 4

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried		Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition		Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality		Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management		Linear	4.00	Hours
Factors	4	hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried		Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition		Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality		Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition		Linear	6,000.00	Dollars
Factors	6000	Dollars							

Line Item 2CMDK4100 - Module K, Area 5

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per day		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per day		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per day		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDK4200 - Module K, Area 6

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in

WBS No: 1BAC0KMM
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
	Factors	42	hours	0	Funded by NDA Program (M/S)				
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
	Factors	6	Process Specialists	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
	Factors	2	RCTs	7	Days	9	Hours per day		
	750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
	Factors	4	hours						
	751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
	Factors	1	Foreman	7	Days	3	Hour per day		
	751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
	Factors	6	Process Spoc	7	Days	3	Hours per day		
	751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
	Factors	2	RCTs	7	Days	3	Hours per day		
	A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
	Factors	6000	Dollars						

Line Item 2CMDK5000 - Module K, Area 7

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources	Cost Element		Skill		Department	Curve	Quantity	Units	
	750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	36.00	Hours
	Factors	4	Filter Techs	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
	Factors	1	Foreman	9	hours				
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
	Factors	1	Foreman	7	Days	9	Hours per day		

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per day		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per day		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per day		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDK5100 - Module K, Area 8

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.

Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.

Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4	Filter Techs	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1	Foreman	9	hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1	Foreman	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42	hours	0	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6	Process Specialists	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2	RCTs	7	Days	9	Hours per day		
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4	hours						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1	Foreman	7	Days	3	Hour per day		
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6	Process Spec	7	Days	3	Hours per day		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2	RCTs	7	Days	3	Hours per day		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000	Dollars						

Line Item 2CMDK5200 - Module K, Area 9

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in

WBS No: 1BAC0KNM
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors 4 Filter Techs	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors 1 Foreman	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	63.00	Hours
Factors 1 Foreman	7 Days	9 Hours per day			
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	0.00	Hours
Factors 42 hours	0 Funded by NDA Program (M/S)				
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	378.00	Hours
Factors 6 Process Specialists	7 Days	9 Hours per day			
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors 2 RCTs	7 Days	9 Hours per day			
750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	4.00	Hours
Factors 4 hours					
751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	21.00	Hours
Factors 1 Foreman	7 Days	3 Hour per day			
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	126.00	Hours
Factors 6 Process Spoc	7 Days	3 Hours per day			
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors 2 RCTs	7 Days	3 Hours per day			
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	6,000.00	Dollars
Factors 6000 Dollars					

Line Item 2CMDK6100 - Module K Rework

BOE

Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors 4 Filter Techs	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors 1 Foreman	9 hours				
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	36.00	Hours
Factors 1 Foreman	4 Days	9 Hours per day			

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0184

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
<i>Factors</i>		42	hours	Funded by NDA Program (M/S)				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
<i>Factors</i>		6	Process Specialists	4	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
<i>Factors</i>		2	RCTs	4	Days	9	Hours per day	
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
<i>Factors</i>		4	hours					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
<i>Factors</i>		1	Foreman	4	Days	3	Hour per day	
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
<i>Factors</i>		6	Process Spec	4	Days	3	Hours per day	
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
<i>Factors</i>		2	RCTs	4	Days	3	Hours per day	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
<i>Factors</i>		6000	Dollars					

Line Item 2CMDK6300 - Module K Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
<i>Factors</i>		75	hours		

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	9,715.78	Dollars
<i>Factors</i>		9715.78	Dollars		
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	6,738.14	Dollars
<i>Factors</i>		6738.14	Dollars		

Activity ID: 1BRSNM0193

Description: SNM Hold Up Removal - Room 146

Cost Risk 3 *Schedule Risk* 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTMDS6	Modification Maintenance Package	5.00	ea	HC	349	1,746	42,321	92,704	0	135,024	20,187	155,211
2CHMTSTS6	Standard Maintenance Work Package	3.70	ea	HC	175	647	16,141	14,334	0	30,474	7,699	38,173
2CMDL1100	Room 146 Pre Scans	15.00	each	EE	42	630	16,059	0	0	16,059	7,660	23,719
2CMDL1520	PROCEDURES VERIFICATION	1.00	each	EE	3	3	77	115	0	193	37	230
2CMDL1530	COMPLETE SAFETY SCREEN AND PRC APPROVAL	1.00	each	EE	0	0	0	800	0	800	0	800
2CMDL1540	PERFORM ALARA REVIEW	1.00	each	EE	14	14	493	0	0	493	235	728
2CMDL1541	PREPARE RWP FOR ROOM 146	1.00	each	EE	16	16	332	0	0	332	158	490
2CMDL3100	Room 146 Area 1	6.00	each	EE	805	4,830	115,566	36,000	0	151,566	55,125	206,691
2CMDL6100	Room 146 Rework	1.00	each	EE	481	481	11,442	6,000	0	17,442	5,458	22,900
2CMDL6300	Room 146 Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	912	2,824
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	24,381	24,381	0	24,381
Total for Activity 1BRSNM0193:						8,443	204,342	149,953	24,381	378,676	97,471	476,147

WBS No: 1BAC0KNM
 Activity ID: 1BRSNM0193

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Line Item 2CHMTMDS6 - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750		STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	18.00	Hours
Factors		18	hours				
750		STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors		36	hours				
750		STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	40.00	Hours
Factors		40	hours				
750		STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors		36	hours				
750		STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	80.00	Hours
Factors		80	hours				
750		STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	80.00	Hours
Factors		80	hour				
750		STRAIGHT TIME BASE	P050 COMPLIANCE INSPECTORS	C210S Facilities Mamt & Maintenance	Linear	6.00	Hours
Factors		6	hours				
750		STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	40.00	Hours
Factors		40	Hours				
751		OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	1.44	Hours
Factors		1.44	hours				
751		OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	2.88	Hours
Factors		2.88	hours				
751		OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	1.44	Hours
Factors		1.44	hours				
751		OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	2.88	Hours
Factors		2.88	hours				
751		OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	1.44	Hours
Factors		1.44	hours				
751		OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	3.20	Hours
Factors		3.2	Hours				
A51		MACTEC	E130 OTHER ENGINEERS	KB50S B707 Env Envir. Sftv & Quality	Linear	74.58	Dollars
Factors		1	engineer	1	hour	74.58	dollars per hour
A52		TENERA	E130 OTHER ENGINEERS	KB50S B707 Env Envir. Sftv & Quality	Linear	2,400.00	Dollars
Factors		1	engineer	40	hours per week	1	week
						60	dollars per hour
A57		LATA	E070 MECHANICAL ENGINEERS	KB50S B707 Env Envir. Sftv & Quality	Linear	2,800.00	Dollars
Factors		1	engineer	40	hours	70	dollars per hour
A57		LATA	E110 QUALITY CONTROL ENGINEERS	KB50S B707 Env Envir. Sftv & Quality	Linear	1,512.40	Dollars
Factors		1	engineer	20	hours	75.62	dollars per hour
A57		LATA	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	5,460.00	Dollars
Factors		2	planners	40	hours	68.25	dollars per hour
A58		ASI	E130 OTHER ENGINEERS	KB50S B707 Env Envir. Sftv & Quality	Linear	1,414.40	Dollars
Factors		1	engineer	20	hours	70.72	dollars per hour

WBS No: 1BAC0KNM
 Activity ID: 1BRSNM0193

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
<i>Factors</i> 2081.7 dollars								
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
<i>Factors</i> 1 engineer 20 hours 94 dollars per hour								
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
<i>Factors</i> 1 engineer 10 hours 68.4 dollars per hour								
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
<i>Factors</i> 1 engineer 3 hours 77.9 dollars per hour								

Line Item 2CHMTSTS6 - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mamt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0193

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDL1100 - Room 146 Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42.00	Hours
<i>Factors</i> 42 average hours per scan						

Line Item 2CMDL1520 - PROCEDURES VERIFICATION

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Verification that current and aplicable procedures are in place prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - Procedures Verification
 Units - lot
 Unit Cost - 3.2 hours/115.20 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3.2 hours/115.20 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.						
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1.60	Hours
<i>Factors</i> 1.6 Hrs.						
A57	LATA	P160 TECHNICAL WRITERS AND EDITOR	KB30S B707 Facility Disposition	Linear	115.20	Dollars
<i>Factors</i> 1 Procedure Writer 1.6 hrs 72 dollars/hr.						

Line Item 2CMDL1530 - COMPLETE SAFETY SCREEN AND PRC APPROVAL

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Complete the safety screen and obtain PRC approval of the IWCP prior to initiating SNM holdup removal activities.
 Breakdown of Cost Data:
 Item - Safety Screen
 Units - lot
 Unit Cost - 800 dollars
 Unit Cost Adjustment factor -

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0193

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Revised Unit Cost - 800 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A52	TENERA	E080 NUCLEAR (CRITICALITY) ENGINEER	KB50S B707 Eng Envir. Sftv & Quality	Linear	800.00	Dollars
Factors	1 day/area	8 hrs/day		100 \$/hr.		

Line Item 2CMDL1540 - PERFORM ALARA REVIEW

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Perform an ALARA review of areas prior to holdup removal activities.
 Breakdown of Cost Data:
 Item - ALARA Review
 Units - lot
 Unit Cost - 14.4 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 14.4 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	14.40	Hours
Factors	9 hours/day (Rad Engineer)	1.6 days per module				

Line Item 2CMDL1541 - PREPARE RWP FOR ROOM 146

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), management of other SNM Consolidation programs in B776, 779 and 707. The adjustments are based on actual costs in WAD60 for scanning 45 areas in FY98.
 Experience Item Desc - Prepare an RWP for holdup removal activities.
 Breakdown of Cost Data:
 Item - RWP Preparation
 Units - lot
 Unit Cost - 16 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 16 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	16.00	Hours
Factors	16 Hrs.					

Line Item 2CMDL3100 - Room 146, Area 1

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Removal for one area
 Units - area
 Unit Cost - 1,087 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,087 hours / \$6,228
 Basis for adjustment -
 Due to the complexity of the X-Y Retriever and the difficulty of recovering hold-up material, it is estimated that the resources required to accomplish hold-up removal would equate to 6 average areas. Therefore Line Item quantity is designated as 6 each.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs	9 hours				
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C260S Filter Systems	Linear	9.00	Hours
Factors	1 Foreman	9 hours				

WBS No: 1BAC0KNN
 Activity ID: 1BRSNM0193

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	63.00	Hours
Factors	1 Foreman		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	378.00	Hours
Factors	6 Process Specialists		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	126.00	Hours
Factors	2 RCTs		7 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	21.00	Hours
Factors	1 Foreman		7 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	126.00	Hours
Factors	6 Process Spec		7 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	42.00	Hours
Factors	2 RCTs		7 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

Line Item 2CMDL6100 - Room 146 Rework

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Maintenance resources to support Glovebox preparation for SNM Removal are budgeted elsewhere within the IWCPs associated with each respective module.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Rework of SNM Holdup Removal for 1 Area (1 area per module, if needed)
 Units - area
 Unit Cost - 672 hours / \$6,228
 Unit Cost Adjustment factor -
 Revised Unit Cost - 672 hours / \$6,228
 Basis for adjustment -

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	4 Filter Techs		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	C260S	Filter Systems	Linear	9.00	Hours
Factors	1 Foreman		9 hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	36.00	Hours
Factors	1 Foreman		4 Days		9 Hours per day			
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	0.00	Hours
Factors	42 hours		0 Funded by NDA Program (M/S)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	216.00	Hours
Factors	6 Process Specialists		4 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Back Loaded	72.00	Hours
Factors	2 RCTs		4 Days		9 Hours per day			
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	4.00	Hours
Factors	4 hours							
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	12.00	Hours
Factors	1 Foreman		4 Days		3 Hour per day			
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	72.00	Hours
Factors	6 Process Spec		4 Days		3 Hours per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Max Backload	24.00	Hours
Factors	2 RCTs		4 Days		3 Hours per day			
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	6,000.00	Dollars
Factors	6000 Dollars							

WBS No: 1BAC0KNM
 Activity ID: 1BRSNM0193

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Line Item 2CMDL6300 - Room 146 Final Scans

BOE
 Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75.00	Hours
<i>Factors</i> 75 hours						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	14.88154	Dollars
<i>Factors</i> 14881.5 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	9.49962	Dollars
<i>Factors</i> 9499.62 Dollars						

WBS No: 1BAC0KVC Title: Vault Closure - XY Retriever
Activity ID: 1BRSNM0515 Description: Vault Closure - Rm. 146 (x-v Retriever) Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHMTSTVX	Standard Maintenance Work Package	2.80	each	HC	175	489	12,214	10,847	0	23,062	5,826	28,888
2CMDK6900	Vault Closure	2.00	ea	EE	1.182	2,364	53,271	13,600	0	66,871	25,410	92,281
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	6,424	6,424	0	6,424
Total for Activity 1BRSNM0515:						2,853	65,485	24,447	6,424	96,356	31,236	127,592

Line Item 2CHMTSTVX - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS						
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours						
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS						
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours						

WBS No: 1BAC0KVC
 Activity ID: 1BRSNM0515

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *

Baseline Devl: 1BAC
 Starts In FY: *

750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMDK6900 - Vault Closure

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Vault Closure
 Breakdown of Cost Data:
 Item - closure of one vault
 Units - lot
 Unit Cost - 1,182 hours / \$6,800
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,182 hours / \$6,800
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		84.00	Hours
<i>Factors</i> 84 Hours									
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear		242.00	Hours
<i>Factors</i> 242 Hours									
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		480.00	Hours
<i>Factors</i> 480 Hours									
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear		90.00	Hours
<i>Factors</i> 90 Hours									
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear		286.00	Hours
<i>Factors</i> 286 Hours									

WBS No: 1BAC0KVC
 Activity ID: 1BRSNM0515

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A57	LATA	E130	OTHER ENGINEERS	KB30S	B707 Facility Disposition	Linear	6,800.00	Dollars
<i>Factors</i> 80 Hours						85	Dollars per Hour	

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	3,875.93	Dollars
<i>Factors</i> 3875.93 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	2,547.90	Dollars
<i>Factors</i> 2547.90 Dollars					

WBS No: 1BAC0NDA Title: Deactivation - Cold Offices

Activity ID: 1BKDDT0002 Description: Deactivation - Cold Office Spaces

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDN2	Computer/Comm. Equipment Disposition	5.21	P1C	HC	1	5	155	0	0	155	69	224
2CB00EDN3	Office Furniture Disposition	34.00	P1F	HC	1	32	837	0	0	837	370	1,207
2CHAADR0N	Non-Classified Records Removal	0.43	each	EE	2,480	1,064	23,930	41,700	0	65,631	10,592	76,223
2CHAALL0N	LL Organic Prod Equip/Fluid Removal	0.01	each	EE	1,800	14	276	245	0	521	122	643
2CHAAND01	Non Line Matl & Equip Removal	3.00	wk	EE	310	930	23,677	15,000	0	38,677	10,480	49,156
2CHMTSTDN	Standard Maintenance Work Package	3.80	ea	HC	175	664	16,577	14,721	0	31,298	7,337	38,635
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	12,812	12,812	0	12,812
Total for Activity 1BKDDT0002:						2,710	65,452	71,666	12,812	149,929	28,970	178,900

Line Item 2CB00EDN2 - Computer/Comm. Equipment Disposition

BOE

Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment					
750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal					
750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative					
750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation					
750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sfty & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey					

Line Item 2CB00EDN3 - Office Furniture Disposition

BOE

Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
<i>Factors</i> 0 Hazard Assessment					
750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30	Hours
<i>Factors</i> 0.3 Readiness/Removal					
750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative					

WBS No: 1BACONDA
 Activity ID: 1BKDDT0002

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2		Transportation						
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25		Administrative						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envr. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0		Rad Survey						

Line Item 2CHAADR0N - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear		720.00	Hours
<i>Factors</i> 80		days		9 hours per day (1 foreman)					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear		1,440.00	Hours
<i>Factors</i> 80		days		18 hours per day (2 process spec.)					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envr. Sftv & Quality	Linear		320.00	Hours
<i>Factors</i> 80		days		4 hours per day					
A52	TENERA	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear		51,975.00	Dollars
<i>Factors</i> 60		days		15.75 hours per day (1.75 Admin Support)		55		dollars per hour	
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear		43,200.00	Dollars
<i>Factors</i> 60		days		18 hours per day (2 Doc Control)		40		dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear		2,000.00	Dollars
<i>Factors</i> 2000		dollars							

Line Item 2CHAALL0N - LL Organic Prod Equip/Fluid Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excello Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KF10H	Matl Steward Steel Workers	Linear		1,800.00	Hours
<i>Factors</i> 1800		Hours							
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear		31,591.00	Dollars
<i>Factors</i> 31591		Dollars							
A5H	SUBCONTRACTED SRVS	S010	CHEMISTS	KB30S	B707 Facility Disposition	Linear		1,020.00	Dollars
<i>Factors</i> 1		chemist		12		Hours		85 Dollars per hour	

Line Item 2CHAAND01 - Non Line Matl & Equip Removal

BOE Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:

WBS No: 1BACONDA
 Activity ID: 1BKDDT0002

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
<i>Factors</i>	1 Rad Engineer	15 Hours per week				
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
<i>Factors</i>	1 SME Tech Support	15 Hours per week				
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
<i>Factors</i>	1 foreman	40 hours per week				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	150.00	Hours
<i>Factors</i>	5 process specialists	30 hours per week				
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	30.00	Hours
<i>Factors</i>	1 RCT	30 Hours per week				
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	50.00	Hours
<i>Factors</i>	5 process specialists	10 hours per week				
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	10.00	Hours
<i>Factors</i>	1 RCT	10 Hours per week				
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	5.000.00	Dollars
<i>Factors</i>	5000 Containers (Cargos,Crates.& Drums)					

Line Item 2CHMTSTDN - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i>	10 HOURS					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>	18 HOURS					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>	18 HOURS					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i>	21 hours					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i>	18 HOURS					
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>	20 hours					
	750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
<i>Factors</i>	20 hours					
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH.WS	KB20H B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i>	8 HOURS					

WBS No: 1BACONDA
 Activity ID: 1BKDDT0002

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	8,177.43	Dollars
<i>Factors</i> 8177.43 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	4,634.17	Dollars
<i>Factors</i> 4634.18 Dollars					

WBS No: 1BACORDA Title: Deactivation - CA Rooms

Activity ID: 1BRNSM0214 Description: Deactivation - CA Rooms - B707

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00EDR2	Computer/Comm. Equipment Disposition	5.48	P1C	HC	1	6	163	0	0	163	78	241
2CB00EDR3	Office Furniture Disposition	44.70	P1F	HC	1	42	1,100	0	0	1,100	525	1,624
2CHAADR0R	Non-Classified Records Removal	0.04	each	EE	2,480	110	2,476	4,315	0	6,791	1,181	7,972
2CHAALL0R	LL Organic Prod Equip/Fluid Removal	0.02	each	EE	1,800	36	737	652	0	1,389	351	1,740
2CHAASR0R	Source Removal	0.06	each	EE	1,942	108	2,364	1,819	0	4,183	1,128	5,310
2CHMTSTDR	Standard Maintenance Work Package	9.80	ea	HC	175	1,712	42,751	37,965	0	80,716	20,392	101,108
2CMCA7100	Non Line Matl & Equip Removal	3.00	wk	EE	310	930	23,677	15,000	0	38,677	11,294	49,970
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	9,065	9,065	0	9,065
Total for Activity 1BRNSM0214:						2,945	73,267	59,751	9,065	142,082	34,948	177,030

Line Item 2CB00EDR2 - Computer/Comm. Equipment Disposition

BOE

Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BACORDA
 Activity ID: 1BRSNM0214

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C100S	Closure Site Services	Linear	0.20	Hours
<i>Factors</i> 0.2 Hazard Assessment								
750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP)	KB20H	B707 Facilities Management	Linear	0.20	Hours
<i>Factors</i> 0.2 Readiness/Removal								
750	STRAIGHT TIME BASE	L070	MISSION SUP SPEC III	KB20H	B707 Facilities Management	Linear	0.10	Hours
<i>Factors</i> 0.1 Material Handling								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	0.10	Hours
<i>Factors</i> 0.1 Administrative								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	0.20	Hours
<i>Factors</i> 0.2 Transportation								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C270S	Property Management	Linear	0.25	Hours
<i>Factors</i> 0.25 Administrative								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.00	Hours
<i>Factors</i> 0 Rad Survey								

Line Item 2CB00EDR3 - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00 Hours
<i>Factors</i> 0 Hazard Assessment					
750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30 Hours
<i>Factors</i> 0.3 Readiness/Removal					
750	STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10 Hours
<i>Factors</i> 0.1 Material Handling					
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	0.10 Hours
<i>Factors</i> 0.1 Administrative					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20 Hours
<i>Factors</i> 0.2 Transportation					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25 Hours
<i>Factors</i> 0.25 Administrative					
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.00 Hours
<i>Factors</i> 0 Rad Survey					

Line Item 2CHAADR0R - Non-Classified Records Removal

BOE Estimators Experience - Based on experience with similar projects.
 Experience Item Desc - Record disposition in controlled areas & Record disposition in non-controlled areas
 Breakdown of Cost Data:
 Item - Non Classified Record disposition in B707
 Units - lot
 Unit Cost - 2,480 Hours/ \$97,252
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,480 Hours/ \$97,252
 Basis for adjustment -
 Line item quantity refers to amount of effort required for module in relation to the effort estimated for the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	720.00 Hours
<i>Factors</i> 80 days					
750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1.440.00 Hours
<i>Factors</i> 80 days					
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	320.00 Hours
<i>Factors</i> 80 days					
A52	TENERA	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	51.975.00 Dollars
<i>Factors</i> 60 days					

WBS No: 1BACORDA
 Activity ID: 1BRSNM0214

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	43,200.00	Dollars
<i>Factors</i>	60 days	18	hours per day (2 Doc Control)		40	dollars per hour		
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,000.00	Dollars
<i>Factors</i>	2000	dollars						

Line Item 2CHAALL0R - LL Organic Prod Equip/Fluid Removal

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort. Estimated maintenance resources are estimated elsewhere in appropriate IWCP's for the applicable areas of draining.
 Experience Item Desc - B776 Non-Utility Equipment Removal & Systems pipe draining
 Breakdown of Cost Data:
 Item - B707 Non-Utility Equipment Removal & System pipe draining (5 Autoclaves, 1 Hydroform, 19 Machine Coola Drops, 6 T-Base Lathes, 1 Excellor Lathe, and 4 Misc. Systems)
 Units - lot
 Unit Cost - 1,800 Hrs/\$33,814
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,800 Hrs/\$33,814
 Basis for adjustment -
 Line Item quantity adjusted to reflect percentage of work required for module in relation to the entire building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KF10H Matt Steward Steel Workers	Linear	1,800.00	Hours
<i>Factors</i>	1800	Hours			
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	31,591.00	Dollars
<i>Factors</i>	31591	Dollars			
A5H SUBCONTRACTED SRVS	S010 CHEMISTS	KB30S B707 Facility Disposition	Linear	1,020.00	Dollars
<i>Factors</i>	1	chemist	12	Hours	85 Dollars per hour

Line Item 2CHAASR0R - Source Removal

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Removal of 100 NDA/Radioactive Sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices on the gloveboxes. It is estimated that there are 170 gloveboxes in B707, requiring removal of 4 sources per box. The breakdown of the 170 gloveboxes to the modules is as follows:
 Module A 34 gloveboxes
 Module B 26 gloveboxes
 Module C 26 gloveboxes
 Module D 34 gloveboxes
 Module E 17 gloveboxes
 Module J 17 gloveboxes
 Module K 17 gloveboxes
 Breakdown of Cost Data:
 Item - Removal of misc. NDA/Radioactive sources and Removal of unused sources from the alpha mets and other radioactive monitoring devices.
 Units - lot
 Unit Cost - 1,942 hours / \$32,796
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,942 hours / \$32,796
 Basis for adjustment -
 Line item quantity refers to the effort for the module in comparison to the entire effort of the building.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	240.00	Hours
<i>Factors</i>	1 Foreman	6 weeks	40	Hours per week	
750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	60.00	Hours
<i>Factors</i>	1 Safeguard & Security	6 weeks	10	hours per week	
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	961.10	Hours
<i>Factors</i>	961.1	Hours			
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sfty & Quality	Linear	629.57	Hours
<i>Factors</i>	629.57	Hours			

WBS No: 1BACORDA
 Activity ID: 1BRSNM0214

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	17.10	Hours
<i>Factors</i> 17.1 Hours								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	34.20	Hours
<i>Factors</i> 34.2 Hours								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,693.73	Dollars
<i>Factors</i> 2693.73 Dollars								
A5H	SUBCONTRACTED SRVS	0000	NONE	KB30S	B707 Facility Disposition	Linear	29,952.00	Dollars
<i>Factors</i> 1 Alpha Group 416 Hours 72 Dollars per hours								

Line Item 2CHMTSTDR - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
<i>Factors</i> 10 HOURS								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
<i>Factors</i> 21 hours								
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
<i>Factors</i> 20 hours								
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTC. WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
<i>Factors</i> 6 HOURS								
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mamt & Maintenance	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								

WBS No: 1BACORDA
 Activity ID: 1BRSNM0214

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Ena Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item 2CMCA7100 - Non Line Matl & Equip Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Non GB Material & Equipment Removal
 Breakdown of Cost Data:
 Item - Non GB Material & Equipment Removal
 Units - lot (weeks)
 Unit Cost - 310 Hrs / \$5,000
 Unit Cost Adjustment factor -
 Revised Unit Cost - 310 Hrs / \$5,000
 Basis for adjustment -
 Line item quantity adjusted to reflect number of weeks activity will be performed.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 Rad Engineer 15 Hours per week					
750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	15.00	Hours
<i>Factors</i> 1 SME Tech Support 15 Hours per week					
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	40.00	Hours
<i>Factors</i> 1 foreman 40 hours per week					
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR /	KB30H B707 Facilitv Disposition	Linear	150.00	Hours
<i>Factors</i> 5 process specialists 30 hours per week					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	30.00	Hours
<i>Factors</i> 1 RCT 30 Hours per week					
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR /	KB30H B707 Facilitv Disposition	Linear	50.00	Hours
<i>Factors</i> 5 process specialists 10 hours per week					
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KB50H B707 Ena Envir. Sftv & Quality	Linear	10.00	Hours
<i>Factors</i> 1 RCT 10 Hours per week					
A5C SUPPLIES	0000 NONE	KB30S B707 Facilitv Disposition	Linear	5,000.00	Dollars
<i>Factors</i> 5000 Containers (Carqos.Crates.& Drums)					

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	5,532.93	Dollars
<i>Factors</i> 5532.93 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	3,531.94	Dollars
<i>Factors</i> 3531.94 Dollars					

WBS No: 1BACORNM Title: SNM Holdup Removal - CA Rooms

Activity ID: 1BRSNM0213 Description: SNM Holdup Removal - CA Rooms - B707

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CMCA1100	Pre Scans	3.00	each	EE	42	126	3,212	0	0	3,212	1,567	4,779
2CMCA6200	CA Rooms Final Scans	1.00	each	EE	75	75	1,912	0	0	1,912	933	2,845

WBS No: 1BACORNM
 Activity ID: 1BRSNM0213

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Total for Activity 1BRSNM0213:

201	5,123	0	0	5,123	2,500	7,624
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Line Item 2CMCA1100 - Pre Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - SNM Holdup Area Pre Scan
 Units - SNM Holdup Area
 Unit Cost - 42 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 42 hours
 Basis for adjustment -
 Line Item quantity refers to the number of estimated SNM Holdup Areas there are in the applicable module.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	42	Hours

Factors 42 average hours per scan

Line Item 2CMCA6200 - CA Rooms Final Scans

BOE Estimators Experience - Management of SNM Holdup Removal activities in B776 (GB-501 and GB-630), as well as management of other SNM Consolidation programs in B776, B779 and B707.
 Experience Item Desc - SNM Holdup Activities
 Breakdown of Cost Data:
 Item - Module A Final Scan
 Units - scan
 Unit Cost - 75 hours
 Unit Cost Adjustment factor -
 Revised Unit Cost - 75 hours
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	P140 SAFEGUARDS AND OTHER SECURI	S100S SSOC Salaried	Linear	75	Hours

Factors 75 hours

WBS No: 1BAC0XCM Title: B707 Deactivation - Classified Matter Re
 Activity ID: 1BBDA0007A Description: Deactivation - Classified Matter Removal Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHAACM01	1st Floor Corridors	0.00	each	EE	8,149	37	916	228	0	1,144	443	1,587
2CHAACM02	2nd Floor	0.01	each	EE	8,149	94	2,293	570	0	2,864	1,109	3,973
2CHAACM0A	Module A	0.04	each	EE	8,149	333	8,136	2,023	0	10,159	3,934	14,094
2CHAACM0B	Module B	0.22	each	EE	8,149	1,785	43,675	10,862	0	54,537	21,119	75,656
2CHAACM0C	Module C	0.33	each	EE	8,149	2,716	66,442	16,523	0	82,966	32,128	115,094
2CHAACM0D	Module D	0.04	each	EE	8,149	293	7,171	1,783	0	8,954	3,467	12,421
2CHAACM0E	Module E	0.03	each	EE	8,149	246	6,018	1,497	0	7,515	2,910	10,425
2CHAACM0F	Module F	0.02	each	EE	8,149	161	3,938	979	0	4,917	1,904	6,822
2CHAACM0G	Module G	0.07	each	EE	8,149	569	13,916	3,461	0	17,376	6,729	24,105
2CHAACM0H	Module H	0.01	each	EE	8,149	120	2,935	730	0	3,665	1,419	5,085
2CHAACM0J	Module J	0.04	each	EE	8,149	289	7,072	1,759	0	8,831	3,420	12,250
2CHAACM0K	Module K	0.05	each	EE	8,149	409	10,006	2,488	0	12,494	4,838	17,332
2CHAACM0N	Cold Offices	0.02	each	EE	8,149	159	3,893	968	0	4,861	1,882	6,743
2CHAACM0R	CA Rooms	0.12	each	EE	8,149	938	22,954	5,708	0	28,663	11,100	39,762
2CHMTMDCM	Modification Maintenance Package	5.80	ea	HC	234	1,357	32,891	76,034	0	108,925	15,916	124,841
2CHMTSTCM	Standard Maintenance Work Package	15.00	ea	HC	117	1,756	43,841	38,934	0	82,775	21,214	103,989
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	11.447	11.447	0	11.447
Total for Activity 1BBDA0007A:						11,262	276,097	164,548	11,447	452,092	133,534	585,625

Line Item 2CHAACM01 - 1st Floor Corridors

BOE Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -

Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1,206.00	Hours
Factors	1800 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	4,127.45	Hours
Factors	6160.37 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
Factors	1231 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	120.60	Hours
Factors	180 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,581.87	Hours
Factors	2361 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
Factors	430 hours 0.67 Percentage of activity remaining after					
	A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	K100S Kaiser-Hill	Linear	29,480.00	Dollars
Factors	1 Document Control 40 Hours per week 20 weeks 55 dollars per hour 0.67 Percentage of activity remaining after					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	20,100.00	Dollars
Factors	30000 Dollars 0.67 Percentage of activity remaining after					

Line Item 2CHAACM02 - 2nd Floor

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -

Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1,206.00	Hours
Factors	1800 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	4,127.45	Hours
Factors	6160.37 hours 0.67 Percentage of activity remaining after					

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i> 2361 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours								
0.67 Percentage of activity remaining after								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i> 1 Document Control 40 Hours per week 20 weeks 55 dollars per hour								
0.67 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i> 30000 Dollars								
0.67 Percentage of activity remaining after								

Line Item 2CHAACM0A - Module A

BOE

Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i> 1800 hours								
0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i> 6160.37 hours								
0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i> 2361 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours								
0.67 Percentage of activity remaining after								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i> 1 Document Control 40 Hours per week 20 weeks 55 dollars per hour								
0.67 Percentage of activity remaining after								

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i>		30000	Dollars					
		0.67	Percentage of activity remaining after					

Line Item 2CHAACMOB - Module B

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i>		1800	hours					
		0.67	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i>		6160.37	hours					
		0.67	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i>		1231	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i>		180	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i>		2361	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i>		430	hours					
		0.67	Percentage of activity remaining after					
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i>		1	Document Control	40	Hours per week	20	weeks	55
							dollars per hour	
		0.67	Percentage of activity remaining after					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i>		30000	Dollars					
		0.67	Percentage of activity remaining after					

Line Item 2CHAACMOC - Module C

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i>		1800	hours					
		0.67	Percentage of activity remaining after					

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i> 6160.37 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i> 2361 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours 0.67 Percentage of activity remaining after								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i> 1 Document Control 40 Hours per week 20 weeks 55 dollars per hour 0.67 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i> 30000 Dollars 0.67 Percentage of activity remaining after								

Line Item 2CHAACMOD - Module D

BOE Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i> 1800 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i> 6160.37 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i> 2361 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours 0.67 Percentage of activity remaining after								

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
Factors	1	Document Control	40	Hours per week	20	weeks	55	dollars per hour
	0.67	Percentage of activity remaining after						
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
Factors	30000	Dollars						
	0.67	Percentage of activity remaining after						

Line Item 2CHAACM0E - Module E

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
Factors	1800	hours						
	0.67	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
Factors	6160.37	hours						
	0.67	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
Factors	1231	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
Factors	180	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
Factors	2361	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
Factors	430	hours						
	0.67	Percentage of activity remaining after						
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
Factors	1	Document Control	40	Hours per week	20	weeks	55	dollars per hour
	0.67	Percentage of activity remaining after						
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
Factors	30000	Dollars						
	0.67	Percentage of activity remaining after						

Line Item 2CHAACM0F - Module F

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i> 1800 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i> 6160.37 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i> 2361 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours 0.67 Percentage of activity remaining after								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i> 1 Document Control 40 Hours per week 20 weeks 55 dollars per hour 0.67 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i> 30000 Dollars 0.67 Percentage of activity remaining after								

Line Item 2CHAACMOG - Module G

BOE

Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i> 1800 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i> 6160.37 hours 0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours 0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i> 2361 hours 0.67 Percentage of activity remaining after								

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envr. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours								
0.67 Percentage of activity remaining after								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29.480.00	Dollars
<i>Factors</i> 1 Document Control 40 Hours per week 20 weeks 55 dollars per hour								
0.67 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20.100.00	Dollars
<i>Factors</i> 30000 Dollars								
0.67 Percentage of activity remaining after								

Line Item 2CHAACM0H - Module H

BOE Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1.206.00	Hours
<i>Factors</i> 1800 hours								
0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4.127.45	Hours
<i>Factors</i> 6160.37 hours								
0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envr. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i> 1231 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i> 180 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1.581.87	Hours
<i>Factors</i> 2361 hours								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Env Envr. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i> 430 hours								
0.67 Percentage of activity remaining after								
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29.480.00	Dollars
<i>Factors</i> 1 Document Control 40 Hours per week 20 weeks 55 dollars per hour								
0.67 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20.100.00	Dollars
<i>Factors</i> 30000 Dollars								
0.67 Percentage of activity remaining after								

Line Item 2CHAACM0J - Module J

BOE Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1,206.00	Hours
Factors	1800 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	4,127.45	Hours
Factors	6160.37 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	824.77	Hours
Factors	1231 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	120.60	Hours
Factors	180 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,581.87	Hours
Factors	2361 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Max Backload	288.10	Hours
Factors	430 hours 0.67 Percentage of activity remaining after					
	A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFF	K100S Kaiser-Hill	Linear	29,480.00	Dollars
Factors	1 Document Control 40 Hours per week 20 weeks 55 dollars per hour 0.67 Percentage of activity remaining after					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	20,100.00	Dollars
Factors	30000 Dollars 0.67 Percentage of activity remaining after					

Line Item 2CHAACM0K - Module K

BOE	Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations. Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter. Breakdown of Cost Data: Item - B707 Classified Matter Removal Units - Building Unit Cost - 11,958.63 hours / \$76,100 Dollars Unit Cost Adjustment factor - Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars Basis for adjustment -
	Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1,206.00	Hours
Factors	1800 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	4,127.45	Hours
Factors	6160.37 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	824.77	Hours
Factors	1231 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	120.60	Hours
Factors	180 hours 0.67 Percentage of activity remaining after					

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i>		2361	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 End Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i>		430	hours					
		0.67	Percentage of activity remaining after					
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i>		1	Document Control	40	Hours per week	20	weeks	55 dollars per hour
		0.67	Percentage of activity remaining after					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i>		30000	Dollars					
		0.67	Percentage of activity remaining after					

Line Item 2CHAACM0N - Cold Offices

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building
 Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	1,206.00	Hours
<i>Factors</i>		1800	hours					
		0.67	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	4,127.45	Hours
<i>Factors</i>		6160.37	hours					
		0.67	Percentage of activity remaining after					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 End Envir. Sftv & Quality	Linear	824.77	Hours
<i>Factors</i>		1231	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	120.60	Hours
<i>Factors</i>		180	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,581.87	Hours
<i>Factors</i>		2361	hours					
		0.67	Percentage of activity remaining after					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KB50H	B707 End Envir. Sftv & Quality	Max Backload	288.10	Hours
<i>Factors</i>		430	hours					
		0.67	Percentage of activity remaining after					
A55	SOURCE ONE	P170	OTHER ADMINISTRATIVE & PROFE	K100S	Kaiser-Hill	Linear	29,480.00	Dollars
<i>Factors</i>		1	Document Control	40	Hours per week	20	weeks	55 dollars per hour
		0.67	Percentage of activity remaining after					
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	20,100.00	Dollars
<i>Factors</i>		30000	Dollars					
		0.67	Percentage of activity remaining after					

Line Item 2CHAACM0R - CA Rooms

BOE
 Estimators Experience - Expert Opinion from Performing Organization, and validated with B776 estimations.
 Experience Item Desc - Previous experience in B771, and estimation of B776 Consolidation and Removal of Classified Matter.
 Breakdown of Cost Data:
 Item - B707 Classified Matter Removal
 Units - Building

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 11,958.63 hours / \$76,100 Dollars
 Basis for adjustment -
 Line Item quantity reflects the estimated percentage for the line item, in comparison to the estimated effort for the building.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	1,206.00	Hours
Factors	1800 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	4,127.45	Hours
Factors	6160.37 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	824.77	Hours
Factors	1231 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	120.60	Hours
Factors	180 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,581.87	Hours
Factors	2361 hours 0.67 Percentage of activity remaining after					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Max Backload	288.10	Hours
Factors	430 hours 0.67 Percentage of activity remaining after					
	A55 SOURCE ONE	P170 OTHER ADMINISTRATIVE & PROFE	K100S Kaiser-Hill	Linear	29,480.00	Dollars
Factors	1 Document Control 40 Hours per week 20 weeks 55 dollars per hour 0.67 Percentage of activity remaining after					
	A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	20,100.00	Dollars
Factors	30000 Dollars 0.67 Percentage of activity remaining after					

Line Item 2CHMTMDCM - Modification Maintenance Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	12.06	Hours
Factors	18 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	24.12	Hours
Factors	36 hours 0.67 Percentage of activity remaining after					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	26.80	Hours
Factors	40 hours 0.67 Percentage of activity remaining after					

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	24.12	Hours
Factors	36	hours						
	0.67	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	53.60	Hours
Factors	80	hours						
	0.67	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	53.60	Hours
Factors	80	hour						
	0.67	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mamt & Maintenance	Linear	4.02	Hours
Factors	6	hours						
	0.67	Percentage of activity remaining after						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	26.80	Hours
Factors	40	Hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	0.96	Hours
Factors	1.44	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.93	Hours
Factors	2.88	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.96	Hours
Factors	1.44	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.93	Hours
Factors	2.88	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.96	Hours
Factors	1.44	hours						
	0.67	Percentage of activity remaining after						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.14	Hours
Factors	3.2	Hours						
	0.67	Percentage of activity remaining after						
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	49.97	Dollars
Factors	1	engineer	1	hour		74.58	dollars per hour	
	0.67	Percentage of activity remaining after						
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,608.00	Dollars
Factors	1	engineer	40	hours per week	1	week	60	dollars per hour
	0.67	Percentage of activity remaining after						
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,876.00	Dollars
Factors	1	engineer	40	hours		70	dollars per hour	
	0.67	Percentage of activity remaining after						
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,013.31	Dollars
Factors	1	engineer	20	hours		75.62	dollars per hour	
	0.67	Percentage of activity remaining after						
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,658.20	Dollars
Factors	2	planners	40	hours		68.25	dollars per hour	
	0.67	Percentage of activity remaining after						
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	947.65	Dollars
Factors	1	engineer	20	hours		70.72	dollars per hour	
	0.67	Percentage of activity remaining after						
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
Factors	2081.7	dollars						

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,259.60	Dollars
Factors	1 engineer	20 hours				94 dollars per hour		
	0.67 Percentage of activity remaining after							
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	156.58	Dollars
Factors	1 engineer	3 hours				77.9 dollars per hour		
	0.67 Percentage of activity remaining after							
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	458.28	Dollars
Factors	1 engineer	10 hours				68.4 dollars per hour		
	0.67 Percentage of activity remaining after							

Line Item 2CHMTSTCM - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 185.54 hours / \$3,874
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 185.54 hours / \$3,874

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	6.70	Hours
Factors	10 HOURS				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	12.06	Hours
Factors	18 HOURS				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp)	KB20H B707 Facilities Management	Linear	12.06	Hours
Factors	18 HOURS				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	14.07	Hours
Factors	21 hours				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	12.06	Hours
Factors	18 HOURS				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	13.40	Hours
Factors	20 hours				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	13.40	Hours
Factors	20 hours				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTCCH. WS	KB20H B707 Facilities Management	Linear	5.36	Hours
Factors	8 HOURS				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facility Disposition	Linear	4.02	Hours
Factors	6 HOURS				
	0.67 Percentage of activity remaining after				
750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFF	C210S Facilities Mamt & Maintenance	Linear	1.34	Hours
Factors	2 HOURS				
	0.67 Percentage of activity remaining after				

WBS No: 1BAC0XCM
 Activity ID: 1BBDA0007A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	1.34	Hours
Factors 2 HOURS								
0.67 Percentage of activity remaining after								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	12.06	Hours
Factors 18 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	5.36	Hours
Factors 8 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.12	Hours
Factors 1.67 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.54	Hours
Factors 0.8 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.12	Hours
Factors 1.67 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.48	Hours
Factors 0.72 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTC. WS	KB20H	B707 Facilities Management	Linear	0.43	Hours
Factors 0.64 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sfty & Quality	Linear	0.11	Hours
Factors 0.16 HOURS								
0.67 Percentage of activity remaining after								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.05	Hours
Factors 0.08 HOURS								
0.67 Percentage of activity remaining after								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	2,278.00	Dollars
Factors 2 Planners 20 Hours 85 Dollars per hour								
0.67 Percentage of activity remaining after								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facilitv Disposition	Linear	317.58	Dollars
Factors 474 dollars 0.67 Percentage of activity remaining after								

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	6,759.21	Dollars
Factors 6759.21 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	4,687.68	Dollars
Factors 4687.68 Dollars						

WBS No:	1BAC0XMA	Title:	B707 Deactivation - MAA Closure	Cost Risk	3	Schedule Risk	3					
Activity ID:	1BBDA0009J	Description:	MAA Closure - Planning									
Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CDA0009J	MAA Closure	1.00	each	EE	1,340	1,340	39,913	0	0	39,913	19,039	58,952
2CHMTSTMC	Standard Maintenance Work Package	2.80	ea	HC	175	489	12,214	10,847	0	23,062	5,826	28,888
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	4,741	4,741	0	4,741
Total for Activity 1BBDA0009J:						1,829	52,128	10,847	4,741	67,716	24,865	92,581

WBS No: 1BAC0XMA
 Activity ID: 1BBDA0009J

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CDA0009J - MAA Closure

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Closure Documentation Activities required to close MAA.
 Breakdown of Cost Data:
 Item - MAA Closure activities
 Units - each
 Unit Cost - 1,340 hrs
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,340 hrs
 Basis for adjustment -

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	600.00	Hours
Factors		600	Hours					
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	80.00	Hours
Factors		80	Hours					
750	STRAIGHT TIME BASE	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	120.00	Hours
Factors		3	People	40	Hours			
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	480.00	Hours
Factors		480	Hours					
751	OVERTIME BASE & PRE.	P140	SAFEGUARDS AND OTHER SECURI	S100S	SSOC Salaried	Linear	60.00	Hours
Factors		3	People	20	Hours			

Line Item 2CHMTSTMC - Standard Maintenance Work Package

BOE
 Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	10.00	Hours
Factors		10	HOURS					
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	18.00	Hours
Factors		18	HOURS					
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	18.00	Hours
Factors		18	HOURS					
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	21.00	Hours
Factors		21	hours					
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	18.00	Hours
Factors		18	HOURS					
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
Factors		20	hours					
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	S100S	SSOC Salaried	Linear	20.00	Hours
Factors		20	hours					
750	STRAIGHT TIME BASE	L060	MISSION SUP SPEC II (FLTTCCH_WS	KB20H	B707 Facilities Management	Linear	8.00	Hours
Factors		8	HOURS					
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	KB30S	B707 Facility Disposition	Linear	6.00	Hours
Factors		6	HOURS					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	2.00	Hours
Factors		2	HOURS					

WBS No: 1BAC0XMA
 Activity ID: 1BBDA0009J

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
<i>Factors</i> 2 HOURS								
750	STRAIGHT TIME BASE	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	18.00	Hours
<i>Factors</i> 18 HOURS								
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	8.00	Hours
<i>Factors</i> 8 HOURS								
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	0.80	Hours
<i>Factors</i> 0.8 HOURS								
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	1.67	Hours
<i>Factors</i> 1.67 HOURS								
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	0.72	Hours
<i>Factors</i> 0.72 HOURS								
751	OVERTIME BASE & PRE.	L060	MISSION SUP SPEC II (FLTTCCH. WS	KB20H	B707 Facilities Management	Linear	0.64	Hours
<i>Factors</i> 0.64 HOURS								
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
<i>Factors</i> 0.16 HOURS								
751	OVERTIME BASE & PRE.	T070	MAINT. TECHS. (INSTRUMENT TEC	KB20H	B707 Facilities Management	Linear	0.08	Hours
<i>Factors</i> 0.08 HOURS								
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	3,400.00	Dollars
<i>Factors</i> 2 Planners 20 Hours 85 Dollars per hour								
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	474.00	Dollars
<i>Factors</i> 474 dollars								

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	2,893.53	Dollars
<i>Factors</i> 2893.53 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	1,847.08	Dollars
<i>Factors</i> 1847.08 Dollars						

WBS No: 1BAC0XPM Title: B707 Deactivation - Deact/SNM Project Ma

Activity ID: 1BBDA0007B Description: Deactivation - Deact/SNM Project Mamt

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00KH02	Facilitv Disposition Mamt	1.00	each	EE	1,949	1,949	74,136	64,980	0	139,116	36,178	175,294
2CB00NT11	New Personnel Training	0.50	each	EE	3,520	1,760	36,914	78,750	0	115,664	18,014	133,677
2CB00XX02	Additional Infrastructure	1.00	each	EE	762	762	25,802	26,035	0	51,837	12,591	64,428
2CDA0007B	Deact. Project Management	1.00	each	EE	2,599	2,599	80,361	153,552	0	233,912	39,216	273,128
Total for Activity 1BBDA0007B:						7,071	217,212	323,317	0	540,529	105,999	646,528

Line Item 2CB00KH02 - Facility Disposition Mgmt

BOE

Estimators Experience - Based on prior experience with planning, development, execution, and management of RFETS projects.
 Experience Item Desc - Planning, Development, Disposition Management, and Integration support from 5/22/00 to 9/30/00.
 Breakdown of Cost Data:
 Item - Project Management
 Units - lot
 Unit Cost - 1,949.40 Hours / \$51,984 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 1,949.40 Hours / \$51,984 dollars
 Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1BAC0XPM
 Activity ID: 1BBDA0007B

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	G040	SECRETARIES	KB30S	B707 Facility Disposition	Linear	649.80	Hours
<i>Factors</i>		1	Secretary	1800	Productive Hours			
		0.361	Percent of fiscal year					
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	649.80	Hours
<i>Factors</i>		1	Fac. Disp Manager	1800	Productive Hours			
		0.361	Percent of fiscal year					
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	KB30S	B707 Facility Disposition	Linear	649.80	Hours
<i>Factors</i>		1	Project Controls & Compl. Manager	1800	Productive Hours			
		0.361	Percent of fiscal year					
A52	TENERA	M030	MANAGEMENT INTEGRATORS (GR	KB30S	B707 Facility Disposition	Linear	64,980.00	Dollars
<i>Factors</i>		1	Planning & Work Auth. Manager	1800	Productive Hours	100	Dollars per hour	
		0.361	Percent of fiscal year					

Line Item 2CB00NT11 - New Personnel Training

BOE
 Estimators Experience - Based on prior experience with qualifying required personnel.
 Experience Item Desc - Training for new personnel required to support Deactivation/SNM Holdup Removal.
 Breakdown of Cost Data:
 Item - Training needs for new personnel expected to support Deactivation/SNM Holdup Removal in B707.
 Units - lot
 Unit Cost - 3,520 hours / \$157,500
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3,520 hours / \$157,500
 Basis for adjustment -
 Line item quantity adjusted to reflect percentage of estimate to be performed in particular fiscal year, in comparison to the entire effort estimated.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	320.00	Hours
<i>Factors</i>		4	Foreman	80	Hours			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,600.00	Hours
<i>Factors</i>		5	Process specialists	320	hours			
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	1,600.00	Hours
<i>Factors</i>		40	Process specialists	40	hours			
A57	LATA	P150	TRAINERS	KB30S	B707 Facility Disposition	Linear	157,500.00	Dollars
<i>Factors</i>		2250	Hours	1	Trainer	70	Dollars per hour	

Line Item 2CB00XX02 - Additional Infrastructure

BOE
 Estimators Experience - Based on experience with planning, development, and execution of RFETS projects.
 Experience Item Desc - As landlord funding for infrastructure is reduced to support fewer projects, additional infrastructure funding is required to support increased SNM & Deactivation activity.
 Breakdown of Cost Data:
 Item - Additional Infrastructure support from 5/22/00 to 9/30/00
 Units - lot
 Unit Cost - 3,687.62 hours / \$73,644 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3,687.62 hours / \$73,644 dollars
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	36.10	Hours
<i>Factors</i>		1	Rad Engineer	100	Hours			
		0.361	percent of fiscal year					
750	STRAIGHT TIME BASE	P090	INDUSTRIAL HYGIENISTS	S100S	SSOC Salaried	Linear	725.97	Hours
<i>Factors</i>		1	Industrial Hygienist	2011	Hours			
		0.361	percent of fiscal year					
A5H	SUBCONTRACTED SRVS	E120	SAFETY ENGINEERS	KB30S	B707 Facility Disposition	Linear	26,035.32	Dollars
<i>Factors</i>		1	Crit Safety	750	Hours	96.16	Dollars per hour	
		0.361	percent of fiscal year					

WBS No: 1BAC0XPM
 Activity ID: 1BBDA0007B

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item 2CDA0007B - Deact. Project Management

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Project Management
 Breakdown of Cost Data:
 Item - Working Level Project Management Needs for period 5/22 - 9/30/00
 Units - lot
 Unit Cost - 5,599 Hrs / \$179,986
 Unit Cost Adjustment factor -
 Revised Unit Cost - 2,599 Hrs / \$179,986
 Basis for adjustment - Based on similar work experience.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S SSOC Salaried	Linear	649.80	Hours
Factors	1	Lead IWCP Engineer	1800	Hours			
	0.361	Percent of fiscal year					
750	STRAIGHT TIME BASE	M040	MANAGERS (GRADE 64 - 68)	S100S SSOC Salaried	Linear	649.80	Hours
Factors	1	Deact. Manager	1800	Hours			
	0.361	Percent of fiscal year					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S SSOC Salaried	Linear	649.80	Hours
Factors	1	MAA & PA Closure Expeditor	1800	Hours			
	0.361	Percent of fiscal year					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S SSOC Salaried	Linear	649.80	Hours
Factors	1	SNM Holdup Coordinator	1800	Hours			
	0.361	Percent of fiscal year					
A53	E-2	E130	OTHER ENGINEERS	KB30S B707 Facility Disposition	Linear	48.735.00	Dollars
Factors	1	Deact Engineer	1800	Hours	75	Dollars per hour	
	0.361	percent of fiscal year					
A53	E-2	P170	OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	38.988.00	Dollars
Factors	1	Technical Support	1800	Hours	60	Dollars per hour	
	0.361	Percent of fiscal year					
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB30S B707 Facility Disposition	Linear	34.114.50	Dollars
Factors	1	Project Analyst	1350	Hours (75%)	70	Dollars per hour	
	0.361	Percent of fiscal year					
A5C	SUPPLIES	0000	NONE	KB30S B707 Facility Disposition	Linear	5.000.00	Dollars
Factors	5000	Dollars					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	KB30S B707 Facility Disposition	Linear	26.714.00	Dollars
Factors	1	Scheduler	925	Hours (50%)	80	Dollars per hour	
	0.361	Percent of fiscal year					

Activity ID: 1BBDA0008A Description: Deactivation - Deact/SNM Project Mgmt

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00KH03	Facility Disposition Mgmt	1.00	each	EE	5.400	5.400	205.362	180.000	0	385.362	97.958	483.320
2CB00NT03	New Personnel Training	0.50	each	EE	3.520	1.760	36.914	78.750	0	115.664	17.608	133.271
2CB00PM05	Deact. Project Management	1.00	each	EE	7.200	7.200	222.606	489.200	0	711.806	106.183	817.989
2CB00XX03	Additional Infrastructure	1.00	each	EE	2.111	2.111	71.473	72.120	0	143.593	34.093	177.686
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	86.220	86.220	0	86.220
Total for Activity 1BBDA0008A:						16.471	536.355	820.070	86.220	1,442.645	255.841	1,698.486

Line Item 2CB00KH03 - Facility Disposition Mgmt

BOE
 Estimators Experience - Based on prior experience with planning, development, execution, and management of RFETS projects.
 Experience Item Desc - Planning, Development, Disposition Management, and Integration support for the fiscal year.
 Breakdown of Cost Data:
 Item - Project Management
 Units - lot
 Unit Cost - 5,400 Hours / \$144,000 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 5,400 Hours / \$144,000 dollars

WBS No: 1BAC0XPM
 Activity ID: 1BBDA0008A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Basis for adjustment -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	G040 SECRETARIES	KB30S B707 Facility Disposition	Linear	1,800.00	Hours
Factors	1 Secretary	1800 Productive Hours				
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	KB30S B707 Facility Disposition	Linear	1,800.00	Hours
Factors	1 Fac. Disp Manager	1800 Productive Hours				
	750 STRAIGHT TIME BASE	M030 MANAGEMENT INTEGRATORS (GR	KB30S B707 Facility Disposition	Linear	1,800.00	Hours
Factors	1 Project Controls & Compl. Manager	1800 Productive Hours				
	A52 TENERA	M030 MANAGEMENT INTEGRATORS (GR	KB30S B707 Facility Disposition	Linear	180,000.00	Dollars
Factors	1 Planning & Work Auth. Manager	1800 Productive Hours		100 Dollars per hour		

Line Item 2CB00NT03 - New Personnel Training

BOE
 Estimators Experience - Based on prior experience with qualifying required personnel.
 Experience Item Desc - Training for new personnel required to support Deactivation/SNM Holdup Removal.
 Breakdown of Cost Data:
 Item - Training needs for new personnel expected to support Deactivation/SNM Holdup Removal in B707.
 Units - lot
 Unit Cost - 3,520 hours / \$157,500
 Unit Cost Adjustment factor -
 Revised Unit Cost - 3,520 hours / \$157,500
 Basis for adjustment -
 Line item quantity adjusted to reflect percentage of estimate to be performed in particular fiscal year, in comparison to the entire effort estimated.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	320.00	Hours
Factors	4 Foreman	80 Hours				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,600.00	Hours
Factors	40 Process specialists	40 hours				
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,600.00	Hours
Factors	5 Process specialists	320 hours				
	A57 LATA	P150 TRAINERS	KB30S B707 Facility Disposition	Linear	157,500.00	Dollars
Factors	2250 Hours	1 Trainer		70 Dollars		

Line Item 2CB00PM05 - Deact. Project Management

BOE
 Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Project Management
 Breakdown of Cost Data:
 Item - Annual Working Level Project Management Needs
 Units - lot
 Unit Cost - 7,200 Hrs / \$489,390
 Unit Cost Adjustment factor -
 Revised Unit Cost - 7,200 Hrs / \$489,390
 Basis for adjustment - Based on similar work experience.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	1,800.00	Hours
Factors	1 Lead IWCP Engineer	1800 Hours				
	750 STRAIGHT TIME BASE	M040 MANAGERS (GRADE 64 - 68)	S100S SSOC Salaried	Linear	1,800.00	Hours
Factors	1 Deact. Manager	1800 Hours				
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	S100S SSOC Salaried	Linear	1,800.00	Hours
Factors	1 MAA & PA Closure Expeditor	1800 Hours				
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	S100S SSOC Salaried	Linear	1,800.00	Hours
Factors	1 SNM Holdup Coordinator	1800 Hours				
	A53 E-2	E130 OTHER ENGINEERS	KB30S B707 Facility Disposition	Linear	135,000.00	Dollars
Factors	1 Deact Engineer	1800 Hours		75 Dollars per hour		
	A53 E-2	P170 OTHER ADMINISTRATIVE & PROFE	KB30S B707 Facility Disposition	Linear	108,000.00	Dollars
Factors	1 Technical Support	1800 Hours		60 Dollars per hour		

WBS No: 1BAC0XPM
 Activity ID: 1BBDA0008A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	126,000.00	Dollars
<i>Factors</i>		1	Project Analyst	1800	Hours	70	Dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	5,000.00	Dollars
<i>Factors</i>		5000	Dollars					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	115,200.00	Dollars
<i>Factors</i>		1	Scheduler	1440	Hours (80%)	80	Dollars per hour	

Line Item 2CB00XX03 - Additional Infrastructure

BOE
 Estimators Experience - Based on experience with planning, development, and execution of RFETS projects.
 Experience Item Desc - As landlord funding for infrastructure is reduced to support fewer projects, additional infrastructure funding is required to support increased SNM & Deactivation activity.
 Breakdown of Cost Data:
 Item - Additional Infrastructure for Fiscal Year
 Units - lot
 Unit Cost - 9,861 hours / \$204,000 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,861 hours / \$204,000 dollars
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	100.00	Hours
<i>Factors</i>		1	Rad Engineer	100	Hours
750 STRAIGHT TIME BASE	P090 INDUSTRIAL HYGIENISTS	S100S SSOC Salaried	Linear	2,011.00	Hours
<i>Factors</i>		1	Industrial Hygienist	2011	Hours
A5H SUBCONTRACTED SRVS	E120 SAFETY ENGINEERS	KB30S B707 Facility Disposition	Linear	72,120.00	Dollars
<i>Factors</i>		1	Crit Safety	750	Hours
				96.16	Dollars per hour

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	52,317.95	Dollars
<i>Factors</i>		52318	Dollars		
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	33,902.35	Dollars
<i>Factors</i>		33902.4	Dollars		

Activity ID: 1BBDA0008C Description: B707 Security and Compensatory Measures

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CDA00010	Security Compensatory Measures	1.00	each	EE	4.860	4.860	138,828	80,000	0	218,828	66,221	285,048
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	15,244	15,244	0	15,244
Total for Activity 1BBDA0008C:						4.860	138,828	80,000	15,244	234,071	66,221	300,292

Line Item 2CDA00010 - Security Compensatory Measures

BOE
 Estimators Experience - Subject matter expert opinion, based off of similar compensatory measures performed in the past.
 Experience Item Desc - 3 month, 7 day, 24 hour security compensatory measure
 Breakdown of Cost Data:
 Item -
 Units -
 Unit Cost -
 Unit Cost Adjustment factor -
 Revised Unit Cost -
 Basis for adjustment -

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1,566.00	Hours
<i>Factors</i>		1566	Hours		
751 OVERTIME BASE & PRE.	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	3,294.00	Hours
<i>Factors</i>		3294	Hours		
A5C SUPPLIES	0000 NONE	KB30S B707 Facility Disposition	Linear	80,000.00	Dollars
<i>Factors</i>		40000	dollars	2	Security Doors with Access System

WBS No: 1BAC0XPM
 Activity ID: 1BBDA0008C

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Line Item SYS - Contingency And Escalation

BOE

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	9,249.80 Dollars
Factors		9249.80 Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	5,993.93 Dollars
Factors		5993.93 Dollars					

Activity ID: 1BBDA0009A Description: Deactivation - Deact/SNM Project Mgmt

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00KH04	Facility Disposition Mgmt	1.00	each	EE	5,400	5,400	205,362	180,000	0	385,362	72,493	457,855
2CB00PM10	Deact. Project Management	1.00	each	EE	7,200	7,200	222,606	489,200	0	711,806	78,580	790,386
2CB00XX04	Additional Infrastructure	1.00	each	EE	2,111	2,111	71,473	72,120	0	143,593	25,230	168,823
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	216,299	216,299	0	216,299
Total for Activity 1BBDA0009A:						14,711	499,441	741,320	216,299	1,457,061	176,303	1,633,363

Line Item 2CB00KH04 - Facility Disposition Mgmt

BOE

Estimators Experience - Based on prior experience with planning, development, execution, and management of RFETS projects.
 Experience Item Desc - Planning, Development, Disposition Management, and Integration support for the fiscal year.
 Breakdown of Cost Data:
 Item - Project Management
 Units - lot
 Unit Cost - 5,400 Hours / \$144,000 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 5,400 Hours / \$144,000 dollars
 Basis for adjustment -

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	G040	SECRETARIES	KB30S	B707 Facility Disposition	Linear	1,800.00 Hours
Factors		1 Secretary 1800 Productive Hours					
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	1,800.00 Hours
Factors		1 Fac. Disp Manager 1800 Productive Hours					
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	KB30S	B707 Facility Disposition	Linear	1,800.00 Hours
Factors		1 Project Controls & Compl. Manager 1800 Productive Hours					
A52	TENERA	M030	MANAGEMENT INTEGRATORS (GR	KB30S	B707 Facility Disposition	Linear	180,000.00 Dollars
Factors		1 Planning & Work Auth. Manager 1800 Productive Hours 100 Dollars per hour					

Line Item 2CB00PM10 - Deact. Project Management

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Project Management
 Breakdown of Cost Data:
 Item - Annual Working Level Project Management Needs
 Units - lot
 Unit Cost - 7,200 Hrs / \$489,390
 Unit Cost Adjustment factor -
 Revised Unit Cost - 7,200 Hrs / \$489,390
 Basis for adjustment - Based on similar work experience.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	1,800.00 Hours
Factors		1 Lead IWCP Engineer 1800 Hours					
750	STRAIGHT TIME BASE	M040	MANAGERS (GRADE 64 - 68)	S100S	SSOC Salaried	Linear	1,800.00 Hours
Factors		1 Deact. Manager 1800 Hours					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1,800.00 Hours
Factors		1 MAA & PA Closure Expeditor 1800 Hours					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1,800.00 Hours
Factors		1 SNM Holdup Coordinator 1800 Hours					

WBS No: 1BAC0XPM
 Activity ID: 1BBDA0009A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

A53	E-2	E130	OTHER ENGINEERS	KB30S	B707 Facility Disposition	Linear	135,000.00	Dollars
<i>Factors</i>		1	Deact Engineer	1800	Hours	75	Dollars per hour	
A53	E-2	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	108,000.00	Dollars
<i>Factors</i>		1	Technical Support	1800	Hours	60	Dollars per hour	
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	126,000.00	Dollars
<i>Factors</i>		1	Project Analvst	1800	Hours	70	Dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	5,000.00	Dollars
<i>Factors</i>		5000	Dollars					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	115,200.00	Dollars
<i>Factors</i>		1	Scheduler	1440	Hours (80%)	80	Dollars per hour	

Line Item 2CB00XX04 - Additional Infrastructure

BOE
 Estimators Experience - Based on experience with planning, development, and execution of RFETS projects.
 Experience Item Desc - As landlord funding for infrastructure is reduced to support fewer projects, additional infrastructure funding is required to support increased SNM & Deactivation activity.
 Breakdown of Cost Data:
 Item - Additional Infrastructure for Fiscal Year
 Units - lot
 Unit Cost - 9,861 hours / \$204,000 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,861 hours / \$204,000 dollars
 Basis for adjustment -

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	100.00	Hours
<i>Factors</i>		1	Rad Engineer	100	Hours			
750	STRAIGHT TIME BASE	P090	INDUSTRIAL HYGIENISTS	S100S	SSOC Salaried	Linear	2,011.00	Hours
<i>Factors</i>		1	Industrial Hyaenist	2011	Hours			
A5H	SUBCONTRACTED SRVS	E120	SAFETY ENGINEERS	KB30S	B707 Facility Disposition	Linear	72,120.00	Dollars
<i>Factors</i>		1	Crit Safetv	750	Hours	96.16	Dollars per hour	

Line Item SYS - Contingency And Escalation

BOE

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	150,077.90	Dollars
<i>Factors</i>		150078	Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	66,221.45	Dollars
<i>Factors</i>		66221.5	Dollars					

Activity ID: 1BXXXDA09A

Description: Deactivation - Deact/SNM Project Mgmt

Cost Risk 3 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CB00KH04	Facility Disposition Mgmt	0.44	each	EE	5,400	2,368	90,071	78,947	0	169,018	31,165	200,183
2CB00PM10	Deact. Project Management	0.44	each	EE	7,200	3,158	97,634	214,561	0	312,196	33,781	345,977
2CB00XX04	Additional Infrastructure	0.44	each	EE	2,111	926	31,348	31,632	0	62,979	10,846	73,826
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	175,438	175,438	0	175,438
Total for Activity 1BXXXDA09A:						6,452	219,053	325,140	175,438	719,631	75,792	795,423

Line Item 2CB00KH04 - Facility Disposition Mgmt

BOE
 Estimators Experience - Based on prior experience with planning, development, execution, and management of RFETS projects.
 Experience Item Desc - Planning, Development, Disposition Management, and Integration support for the fiscal year.
 Breakdown of Cost Data:
 Item - Project Management
 Units - lot
 Unit Cost - 5,400 Hours / \$144,000 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 5,400 Hours / \$144,000 dollars
 Basis for adjustment -

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
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WBS No: 1BAC0XPM
 Activity ID: 1BXXXDA09A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	G040	SECRETARIES	KB30S	B707 Facility Disposition	Linear	1,800.00	Hours
<i>Factors</i>	1	Secretary	1800	Productive Hours				
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	KB30S	B707 Facility Disposition	Linear	1,800.00	Hours
<i>Factors</i>	1	Fac. Disp Manager	1800	Productive Hours				
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	KB30S	B707 Facility Disposition	Linear	1,800.00	Hours
<i>Factors</i>	1	Project Controls & Compl. Manager	1800	Productive Hours				
A52	TENERA	M030	MANAGEMENT INTEGRATORS (GR	KB30S	B707 Facility Disposition	Linear	180,000.00	Dollars
<i>Factors</i>	1	Planning & Work Auth. Manager	1800	Productive Hours		100	Dollars per hour	

Line Item 2CB00PM10 - Deact. Project Management

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Project Management
 Breakdown of Cost Data:
 Item - Annual Working Level Project Management Needs
 Units - lot
 Unit Cost - 7,200 Hrs / \$489,390
 Unit Cost Adjustment factor -
 Revised Unit Cost - 7,200 Hrs / \$489,390
 Basis for adjustment - Based on similar work experience.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	1,800.00	Hours
<i>Factors</i>	1	Lead IWCP Engineer	1800	Hours				
750	STRAIGHT TIME BASE	M040	MANAGERS (GRADE 64 - 68)	S100S	SSOC Salaried	Linear	1,800.00	Hours
<i>Factors</i>	1	Deact. Manager	1800	Hours				
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1,800.00	Hours
<i>Factors</i>	1	SNM Holdup Coordinator	1800	Hours				
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1,800.00	Hours
<i>Factors</i>	1	MAA & PA Closure Expeditor	1800	Hours				
A53	E-2	E130	OTHER ENGINEERS	KB30S	B707 Facility Disposition	Linear	135,000.00	Dollars
<i>Factors</i>	1	Deact Engineer	1800	Hours		75	Dollars per hour	
A53	E-2	P170	OTHER ADMINISTRATIVE & PROFE	KB30S	B707 Facility Disposition	Linear	108,000.00	Dollars
<i>Factors</i>	1	Technical Support	1800	Hours		60	Dollars per hour	
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	126,000.00	Dollars
<i>Factors</i>	1	Project Analvst	1800	Hours		70	Dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	5,000.00	Dollars
<i>Factors</i>	5000	Dollars						
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	KB30S	B707 Facility Disposition	Linear	115,200.00	Dollars
<i>Factors</i>	1	Scheduler	1440	Hours (80%)		80	Dollars per hour	

Line Item 2CB00XX04 - Additional Infrastructure

BOE

Estimators Experience - Based on experience with planning, development, and execution of RFETS projects.
 Experience Item Desc - As landlord funding for infrastructure is reduced to support fewer projects, additional infrastructure funding is required to support increased SNM & Deactivation activity.
 Breakdown of Cost Data:
 Item - Additional Instrastructure for Fiscal Year
 Units - lot
 Unit Cost - 9,861 hours / \$204,000 dollars
 Unit Cost Adjustment factor -
 Revised Unit Cost - 9,861 hours / \$204,000 dollars
 Basis for adjustment -

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	100.00	Hours
<i>Factors</i>	1	Rad Engineer	100	Hours				
750	STRAIGHT TIME BASE	P090	INDUSTRIAL HYGIENISTS	S100S	SSOC Salaried	Linear	2,011.00	Hours
<i>Factors</i>	1	Industrial Hyaenist	2011	Hours				
A5H	SUBCONTRACTED SRVS	E120	SAFETY ENGINEERS	KB30S	B707 Facility Disposition	Linear	72,120.00	Dollars
<i>Factors</i>	1	Crit Safety	750	Hours		96.16	Dollars per hour	

WBS No: 1BAC0XPM
 Activity ID: 1BXXDA09A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item SYS - Contingency And Escalation

BOE

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	127,893.70 Dollars
<i>Factors</i> 127894 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	47,543.79 Dollars
<i>Factors</i> 47543.8 Dollars							

WBS No: 1BAC0XRR Title: B707 Deactivation - Raschig Ring Removal
Activity ID: 1BBDA0008J Description: Deactivation - Raschig Ring Removal

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CHAARR01	Raschig Ring Removal	0.50	each	EE	520	260	6,407	0	0	6,407	3,056	9,463
2CHMTMDRR	Modification Maintenance Package	1.00	ea	HC	349	349	8,464	18,541	0	27,005	4,037	31,042
2CHMTSTRR	Standard Maintenance Work Package	1.00	ea	HC	175	175	4,362	3,874	0	8,236	2,081	10,317
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	2,743	2,743	0	2,743
Total for Activity 1BBDA0008J:						784	19,233	22,415	2,743	44,391	9,174	53,565

Line Item 2CHAARR01 - Raschig Ring Removal

BOE

Estimators Experience - Based on experience with planning, development, and execution of B776/777 deactivation effort.
 Experience Item Desc - Remove Raschig Rings
 Breakdown of Cost Data:
 Item - Raschig Ring Removal from Trich Tank
 Units - lot
 Unit Cost - 520 hrs
 Unit Cost Adjustment factor -
 Revised Unit Cost - 520 hrs
 Basis for adjustment -
 Line item quantity factor refers to estimated difficulty compared to estimated experience in B776.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	120.00 Hours
<i>Factors</i> 120 hours (Rad Engineer)							
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	S100S	SSOC Salaried	Linear	80.00 Hours
<i>Factors</i> 1 foreman 80 hours							
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	320.00 Hours
<i>Factors</i> 4 process specialists 80 hours							

Line Item 2CHMTMDRR - Modification Maintenance Package

BOE

Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - One Modification Package
 Units - lot
 Unit Cost - 361.28 Hours / \$18,540.78
 Unit Cost Adjustment factor - 1
 Revised Unit Cost - 361.28 Hours / \$18,540.78
 Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in the B707 Project Control office.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	18.00 Hours
<i>Factors</i> 18 hours							
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	36.00 Hours
<i>Factors</i> 36 hours							
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	40.00 Hours
<i>Factors</i> 40 hours							

WBS No: 1BAC0XRR
 Activity ID: 1BBDA0008J

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	36.00	Hours
Factors	36	hours						
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	80.00	Hours
Factors	80	hours						
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	S100S	SSOC Salaried	Linear	80.00	Hours
Factors	80	hour						
750	STRAIGHT TIME BASE	P050	COMPLIANCE INSPECTORS	C210S	Facilities Mgmt & Maintenance	Linear	6.00	Hours
Factors	6	hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	40.00	Hours
Factors	40	Hours						
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KB20H	B707 Facilities Management	Linear	1.44	Hours
Factors	1.44	hours						
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KB20H	B707 Facilities Management	Linear	2.88	Hours
Factors	2.88	hours						
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KB20H	B707 Facilities Management	Linear	1.44	Hours
Factors	1.44	hours						
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KB20H	B707 Facilities Management	Linear	2.88	Hours
Factors	2.88	hours						
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KB20H	B707 Facilities Management	Linear	1.44	Hours
Factors	1.44	hours						
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	3.20	Hours
Factors	3.2	Hours						
A51	MACTEC	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	74.58	Dollars
Factors	1	engineer	1	hour		74.58	dollars per hour	
A52	TENERA	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,400.00	Dollars
Factors	1	engineer	40	hours per week	1	week	60	dollars per hour
A57	LATA	E070	MECHANICAL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	2,800.00	Dollars
Factors	1	engineer	40	hours		70	dollars per hour	
A57	LATA	E110	QUALITY CONTROL ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,512.40	Dollars
Factors	1	engineer	20	hours		75.62	dollars per hour	
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	KB20S	B707 Facilities Management	Linear	5,460.00	Dollars
Factors	2	planners	40	hours		68.25	dollars per hour	
A58	ASI	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	1,414.40	Dollars
Factors	1	engineer	20	hours		70.72	dollars per hour	
A5C	SUPPLIES	0000	NONE	KB30S	B707 Facility Disposition	Linear	2,081.70	Dollars
Factors	2081.7	dollars						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	KB30S	B707 Facility Disposition	Linear	1,880.00	Dollars
Factors	1	engineer	20	hours		94	dollars per hour	
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	233.70	Dollars
Factors	1	engineer	3	hours		77.9	dollars per hour	
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	KB50S	B707 Eng Envir. Sftv & Quality	Linear	684.00	Dollars
Factors	1	engineer	10	hours		68.4	dollars per hour	

Line Item 2CHMTSTRR - Standard Maintenance Work Package

BOE

Historical Data Source - Derived from 5 years worth of validated Maintenance costs.
 Item Desc - Modification packages
 Breakdown of Historical Data:
 Item - Modification packages
 Units - lot
 Unit Cost -
 Unit Cost Adjustment factor - 1
 Revised Unit Cost -

Line item quantity reflects quantity of maintenance packages multiplied by an adjustment factor that incorporates difficulty as well as allows for less significant routine packages. These factors are on file in B707 Project Control office which is located in B750 Rm 115.

WBS No: 1BAC0XRR
 Activity ID: 1BDA0008J

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	10.00	Hours
	Factors 10 HOURS					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	21.00	Hours
	Factors 21 hours					
	750 STRAIGHT TIME BASE	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 hours					
	750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	20.00	Hours
	Factors 20 hours					
	750 STRAIGHT TIME BASE	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	750 STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	KB30S B707 Facilitv Disposition	Linear	6.00	Hours
	Factors 6 HOURS					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Mamt & Maintenance	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	2.00	Hours
	Factors 2 HOURS					
	750 STRAIGHT TIME BASE	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	18.00	Hours
	Factors 18 HOURS					
	751 OVERTIME BASE & PRE.	C010 CARPENTERS	KB20H B707 Facilities Management	Linear	8.00	Hours
	Factors 8 HOURS					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	0.80	Hours
	Factors 0.8 HOURS					
	751 OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	1.67	Hours
	Factors 1.67 HOURS					
	751 OVERTIME BASE & PRE.	C090 STRUCTURAL AND METAL WORKE	KB20H B707 Facilities Management	Linear	0.72	Hours
	Factors 0.72 HOURS					
	751 OVERTIME BASE & PRE.	L060 MISSION SUP SPEC II (FLTTC. WS	KB20H B707 Facilities Management	Linear	0.64	Hours
	Factors 0.64 HOURS					
	751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	0.16	Hours
	Factors 0.16 HOURS					
	751 OVERTIME BASE & PRE.	T070 MAINT. TECHS. (INSTRUMENT TEC	KB20H B707 Facilities Management	Linear	0.08	Hours
	Factors 0.08 HOURS					
	A57 LATA	P070 COST ESTIMATORS PLANNERS AN	KB20S B707 Facilities Management	Linear	3.400.00	Dollars
	Factors 2 Planners	20 Hours		85 Dollars per hour		
	A5C SUPPLIES	0000 NONE	KB30S B707 Facilitv Disposition	Linear	474.00	Dollars
	Factors 474 dollars					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	1.674.12	Dollars
	Factors 1674.12 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	1.068.67	Dollars
	Factors 1068.67 Dollars					

WBS No: 1BAC0XWD
 Activity ID: 1BBDA0006B

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *
 Cost Risk 2 Schedule Risk 2
 Starts In FY *

Activity ID: 1BBDA0006B Description: B707 Deactivation - Walkdown

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2CDA0006B	Deactivation Walkdowns	14.00	ea	EE	37	518	12,600	45,696	0	58,296	6,072	64,369
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,813	1,813	0	1,813
Total for Activity 1BBDA0006B:						518	12,600	45,696	1,813	60,109	6,072	66,181

Line Item 2CDA0006B - Deactivation Walkdowns

BOE
 Estimators Experience - Estimate gained from SME with previous experience in B776/777. Identified work in B707 was deemed to be similar in nature to experience gained in B776/777.
 Experience Item Desc - Determine current status of Building sets. Produce report and provide detail for deactivation planning.
 Breakdown of Cost Data:
 Item - walkdown of 14 sets
 Units - lot (set)
 Unit Cost - 117.14 Hrs
 Unit Cost Adjustment factor -
 Revised Unit Cost - 117.14 Hrs
 Basis for adjustment -
 Line Item quantity refers to number of modules to walkdown from 6/1/99 through the life of B707 Closure.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	19.20	Hours
<i>Factors</i> 40 Hours 1 Foreman					
0.48 Percentage of activity remaining after					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	17.83	Hours
<i>Factors</i> 37.14 Hours 1 RCT					
0.48 Percentage of activity remaining after					
A57 LATA	E130 OTHER ENGINEERS	KB30S B707 Facilitv Disposition	Linear	3,264.00	Dollars
<i>Factors</i> 2 engineers 40 Hours 85 Dollars per hour					
0.48 Percentage of activity remaining after					

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	1,063.36	Dollars
<i>Factors</i> 1063.36 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	749.60	Dollars
<i>Factors</i> 749.60 Dollars					

WBS No: 1BAC78DA Title: Deactivation - Building 778
 Activity ID: 1BB001303A Description: B778 Cluster Deactivation

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0007784001	Facilitv Walk Down	1.00	ea	HC	160	160	4,946	0	0	4,946	1,883	6,829
0007784002	Initial Facilitv Surveys	1.00	ea	HC	120	120	3,028	0	0	3,028	1,153	4,182
0007786802	Remove Equipment Hazardous Mat'l	62.00	msf	HC	69	4,259	97,728	0	0	97,728	37,214	134,943
0007787001	Perform Equipment Inventory	62.00	msf	HC	3	155	4,330	0	0	4,330	1,649	5,979
0007787002	Move/Dispose Equipment	62.00	msf	HC	18	1,085	21,920	0	0	21,920	8,347	30,267
0007787201	Decontamination Activities	31.00	msf	HC	16	504	10,303	0	0	10,303	3,923	14,227
0007787801	Final Walkdown & Report	31.00	msf	HC	2	47	1,591	0	0	1,591	606	2,197
123-2C	Computer/Comm. Equipment Disposition	50.00	P2C	HC	2	103	2,396	0	0	2,396	912	3,308
123-2E	Electronic Equipment Disposition	105.00	P2E	HC	3	331	7,154	0	0	7,154	2,724	9,878
123-2ET	Small Electric Tools Disposition	188.00	P2ET	HC	2	423	9,300	0	0	9,300	3,541	12,842
123-2F	Office Furniture Disposition	416.00	P2F	HC	2	811	17,792	0	0	17,792	6,775	24,567
123-2MT	Small Mech. Tools (Box) Disposition	198.00	P2MT	HC	2	446	9,795	0	0	9,795	3,730	13,525
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	34,637	34,637	0	34,637

WBS No: 1BAC78DA
 Activity ID: 1BB001303A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1BAC
 Activity Filter *

Starts In FY *

Total for Activity 1BB001303A:

8.443	190.283	0	34.637	224.920	72.459	297.379
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Line Item 0007784001 - Facility Walk Down

BOE These estimates are based on the activities used for deactivation of Building 779 in the FY97 plan.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	80.00	Hours
<i>Factors</i> 2 weeks 40 hours per week						
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSOC Salaried	Linear	80.00	Hours
<i>Factors</i> 2 weeks 40 hours per week						

Line Item 0007784002 - Initial Facility Surveys

BOE These estimates are based on the activities used for deactivation of building 779 in the FY97 plan.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	40.00	Hours
<i>Factors</i> 40 Hours						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Eng Envir. Sftv & Quality	Linear	80.00	Hours
<i>Factors</i> 40 Hours 2 weeks						

Line Item 0007786802 - Remove Equipment Hazardous Mat'l

BOE Basis of Estimate: This estimate is based on the deactivation estimate and experience obtained from building 779.

Activity	Resource	Skill Code	Amount	Base Sqft	Unit Cost
Planning	Electrical Engineers	E040	120	64790	0.0019
Planning	Mechanical Engineers	E070	240	64790	0.0037
Planning	Safety Engineers	E120	120	64790	0.0019
Planning	Nuclear Engineers	E080	120	64790	0.0019
Planning	Other Engineers	E130	120	64790	0.0019
Sampling	Laboratory Tech	T080	100	64790	0.0015
Sampling	RCT	T050	80	64790	0.0015
Sampling	Eng. Technician	T030	25	64790	0.0004
Removal	Other Tech	T110	2880	64790	0.0445
Removal	RCT	T050	1440	64790	0.0222
Removal	Industrial Hygienist	P090	1440	64790	0.0222
Removal	Material Handler	L050	200	64790	0.0031

Summary per 1000 sq ft:

Resource	Skill Code	Unit Cost per 1000 sqft
Electrical Engineers	E040	1.9
Mechanical Engineers	E070	3.7
Safety Engineers	E120	1.9
Nuclear Engineers	E080	1.9
Other Engineers	E130	1.9
Laboratory Tech	T080	1.5
RCT	T050	23.4
Eng. Technician	T030	0.4
Other Tech	T110	44.5
Industrial Hygienist	P090	22.2
Material Handler	L050	3.1

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KB20H B707 Facilities Management	Linear	9.00	Hours
<i>Factors</i> 9 Hours						
750	STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	1.90	Hours
<i>Factors</i> 1.9 Hours						
750	STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	3.70	Hours
<i>Factors</i> 3.7 Hours						
750	STRAIGHT TIME BASE	E080 NUCLEAR (CRITICALITY) ENGINEER	S100S SSOC Salaried	Linear	1.90	Hours
<i>Factors</i> 1.9 Hours						
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	S100S SSOC Salaried	Linear	1.90	Hours
<i>Factors</i> 1.9 Hours						

WBS No: 1BAC78DA
 Activity ID: 1BB001303A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	S100S	SSOC Salaried	Linear	1.90	Hours	
<i>Factors</i>		1.9	Hours						
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (	KB30H	B707 Facility Disposition	Linear	25.00	Hours	
<i>Factors</i>		25	Hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KB50H	B707 Eng Envir. Sftv & Quality	Linear	23.40	Hours	
<i>Factors</i>		23.4	Hours						

Line Item 0007787001 - Perform Equipment Inventory

BOE

This estimate is based on a task analysis of the steps required.
 Step 1: Determine excess criteria, and develop planning document
 Assume that large and medium size process pieces will remain in place, and that contaminated equipment will be left for D&D.
 Planning will require 1 hour of electrical, mechanical, and other engineers time for every 2000 sqft of complex process space. Assume any radiological support is derived from the Health Physics Support Activity.
 Step 2: Perform the walkdown
 Assume 1 hour for every 1000 sqft of complex process space by a process specialist (R010) to observe and document potential equipment.
 Step 3. Develop equipment removal plan
 Assume the same conditions as step 1.

Summary Table:

Activity	Resource	Skill Code	Amt	Sqft	Unit Cost
Planning	Electrical Eng.	E040	1	2000	0.0005
Planning	Mechanical Eng.	E070	1	2000	0.0005
Planning	Other Eng.	E130	1	2000	0.0005
Inventory	Process Specialist	R010	1	1000	0.0010
Plan Dev.	Electrical Eng.	E040	1	2000	0.0005
Plan Dev.	Mechanical Eng.	E070	1	2000	0.0005
Plan Dev.	Other Eng.	E130	1	2000	0.0005

Totals:
 E040 - 0.5 hrs/1000 sqft
 E070 - 0.5 hrs/1000 sqft
 E130 - 0.5 hrs/1000 sqft
 E040 - 1 hr/1000 sqft

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	E040 ELECTRICAL ENGINEERS	S100S SSOC Salaried	Linear	0.50	Hours
<i>Factors</i>		0.5	Hours		
750 STRAIGHT TIME BASE	E070 MECHANICAL ENGINEERS	S100S SSOC Salaried	Linear	0.50	Hours
<i>Factors</i>		0.5	Hours		
750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	0.50	Hours
<i>Factors</i>		0.5	Hours		
750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	1.00	Hours
<i>Factors</i>		1	Hours		

Line Item 0007787002 - Move/Dispose Equipment

BOE

This estimate is based on a task analysis of the steps required.
 Step 1: Collect Equipment
 Assume that equipment is evenly distributed across the facility at the rate of 1 piece (1 piece equals 200lbs equipment) for every 200 sqft. Assume collection requires 0.5 hours of electrician (C020), pipefitter (C080), and process specialist (R010)
 Assume any radiological support is derived from the Health Physics Support Activity.
 Step 2: Move Equipment
 Assume that 1 equipment piece is equal to 200 pounds total weight, and that the average distance to the disposal staging area is the equivalent of 300 feet of complex maneuvers (i.e. stairs, tight corners, etc).
 Assume 2 movers/handlers take 0.5 hours per piece.
 Step 3. Transfer Equipment tp PI&D
 Assume 1 technician hour for every piece of equipment.

Summary Table:

Activity	Resource	Skill Code	Amt	Sqft	Unit Cost
1000 sqft)					(per

WBS No: 1BAC78DA
 Activity ID: 1BB001303A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: 1BAC
 WBS Filter: 1BAC
 Activity Filter: *
 Baseline Devl: 1BAC
 Starts In FY: *

Planning	Electricians	C020	0.5	0.5	200	2.5	2.5
Planning	Pipefitter/Plumber	C080	0.5	200	2.5		
Planning	Process Specialist	R010	0.5	200	2.5		
Inventory	Material Handlers	L050	1	200	5		
Plan Dev.	Other Technician	T110	1	200	5		

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KB20H B707 Facilities Management	Linear	2.50	Hours
	<i>Factors</i> 2.5 Hours					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KB20H B707 Facilities Management	Linear	2.50	Hours
	<i>Factors</i> 2.5 Hours					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I/CBLFAB.DSP	KB20H B707 Facilities Management	Linear	5.00	Hours
	<i>Factors</i> 5 Hours					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	2.50	Hours
	<i>Factors</i> 2.5 Hours					
	750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KB20H B707 Facilities Management	Linear	5.00	Hours
	<i>Factors</i> 5 Hours					

Line Item 0007787201 - Decontamination Activities

BOE	This estimate is based upon the following assumptions reagrding the decontamination of 1,000 sq. ft. of compe process space.					
	Assumption: Decontamination will only be performed on equipment and areas with an open migration path to the atmosphere. Closed systems will dispositioned and/or decontaminated during the decommissioning phase.					
	Assume that 1 Health Physicist oversees all HP technicians at the rate of 1 hr. per 1000 sq. ft. Assume that 5% of the total area will be stabilized using latex paint. Painting Crew consists of: 1 foreman at 0.25 hrs 2 painters at 2 hrs each 1 HP Technician at 1 hr					
	Assume the following crew to support duct and other system containment installs 2 Other Technicians at 1 hr each 1 HP Technician at 1 hr					
	Assume the following crew to support physical decon per 1,000 sq. ft. 2 Other Technicians at 2 hrs each 1 Other Crew at 1 hr 1 HP technician at 4 hrs					

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C070 PAINTERS	KB20H B707 Facilities Management	Linear	4.00	Hours
	<i>Factors</i> 4 Hours					
	750 STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KB20H B707 Facilities Management	Linear	1.00	Hours
	<i>Factors</i> 1 Hours					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	S100S SSQC Salaried	Linear	0.25	Hours
	<i>Factors</i> 0.25 Hours					
	750 STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (	KB30H B707 Facility Disposition	Linear	5.00	Hours
	<i>Factors</i> 5 Hours					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Enq Envir. Sftv & Quality	Linear	6.00	Hours
	<i>Factors</i> 6 Hours					

Line Item 0007787801 - Final Walkdown & Report

BOE	BOE: These estimates are based on a review of the Building 779 estimate data.					
	Activity	Resource Name	Res.	Amt	Sqft	Unit Cost
	Perform Final Walkdown	Other Engineer	E130	40	64790	0.0006
	Perform Final Walkdown	Mechanical Eng.	E070	40	64790	0.0006
	Perform Final Walkdown	Electrical Eng.	E040	40	64790	0.0006

WBS No: 1BAC78DA
 Activity ID: 1BB001303A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Prepare Final Report	Other Engineer	E130	40	64790	0.0006
Resolve Issues	Other Engineer	E130	20	64790	0.0003
Resolve Issues	Mechanical Eng.	E070	20	64790	0.0003
Resolve Issues	Electrical Eng.	E040	20	64790	0.0003
Resolve Issues	Other Technician	T110	80	64790	0.0012
Summary:					
E130 = 0.0015 hrs/sqft					
E070 = 0.0009 hrs/sqft					
E040 = 0.0009 hrs/sqft					
T110 = 0.0012 hrs/sqft					

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	S100S SSOC Salaried	Linear	1.50	Hours
Factors 1.5 Hours						

Line Item 123-2C - Computer/Comm. Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
Factors 0.2 Hazard Assessment						
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.20	Hours
Factors 0.2 Readiness/Removal						
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
Factors 0.1 Material Handling						
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C270S Property Management	Linear	0.10	Hours
Factors 0.1 Administrative						
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
Factors 0.2 Transportation						
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
Factors 0.25 Administrative						
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	1.00	Hours
Factors 1 Rad Survey						

Line Item 123-2E - Electronic Equipment Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.20	Hours
Factors 0.2 Hazard Assessment						
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	1.30	Hours
Factors 1.3 Readiness/Removal						
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
Factors 0.1 Material Handling						
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C270S Property Management	Linear	0.10	Hours
Factors 0.1 Administrative						
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
Factors 0.2 Transportation						
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
Factors 0.25 Administrative						
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Quality	Linear	1.00	Hours
Factors 1 Rad Survey						

Line Item 123-2ET - Small Electric Tools Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

WBS No: 1BAC78DA
 Activity ID: 1BB001303A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
	<i>Factors</i> 0 Hazard Assessment					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Readiness/Removal					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Material Handling					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C270S Property Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Administrative					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
	<i>Factors</i> 0.2 Transportation					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
	<i>Factors</i> 0.25 Administrative					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Linear	1.50	Hours
	<i>Factors</i> 1.5 Rad Survey					

Line Item 123-2F - Office Furniture Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
	<i>Factors</i> 0 Hazard Assessment					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.30	Hours
	<i>Factors</i> 0.3 Readiness/Removal					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Material Handling					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C270S Property Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Administrative					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
	<i>Factors</i> 0.2 Transportation					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
	<i>Factors</i> 0.25 Administrative					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Linear	1.00	Hours
	<i>Factors</i> 1 Rad Survey					

Line Item 123-2MT - Small Mech. Tools (Box) Disposition

BOE Resource unit values are from Disposal Cost Model.
 Line Item quantity is based on [actual count <or> historical average count of 0.149 items per sq. ft., reference {document}]

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C100S Closure Site Services	Linear	0.00	Hours
	<i>Factors</i> 0 Hazard Assessment					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	KB20H B707 Facilities Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Readiness/Removal					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	KB20H B707 Facilities Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Material Handling					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C270S Property Management	Linear	0.10	Hours
	<i>Factors</i> 0.1 Administrative					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C242S Transportation	Linear	0.20	Hours
	<i>Factors</i> 0.2 Transportation					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	C270S Property Management	Linear	0.25	Hours
	<i>Factors</i> 0.25 Administrative					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KB50H B707 Env Envir. Sftv & Qualitv	Linear	1.50	Hours
	<i>Factors</i> 1.5 Rad Survey					

WBS No: 1BAC78DA
 Activity ID: 1BB001303A

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1BAC
 Activity Filter: *

Starts In FY *

Line Item SYS - Contingency And Escalation

BOE

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	23,365.65	Dollars
<i>Factors</i> 23365.7 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	11,271.65	Dollars
<i>Factors</i> 11271.7 Dollars								

Report Totals:

<i>Labor Hours Total</i>	<i>Labor Cost Total</i>	<i>Materials/ Sub Cost</i>	<i>Contingency & Escalation</i>	<i>Total Prime Cost</i>	<i>Burden Cost</i>	<i>Total Cost</i>
223,318	5,824,703	5,033,519	967,171	11,825,393	2,642,052	14,467,445