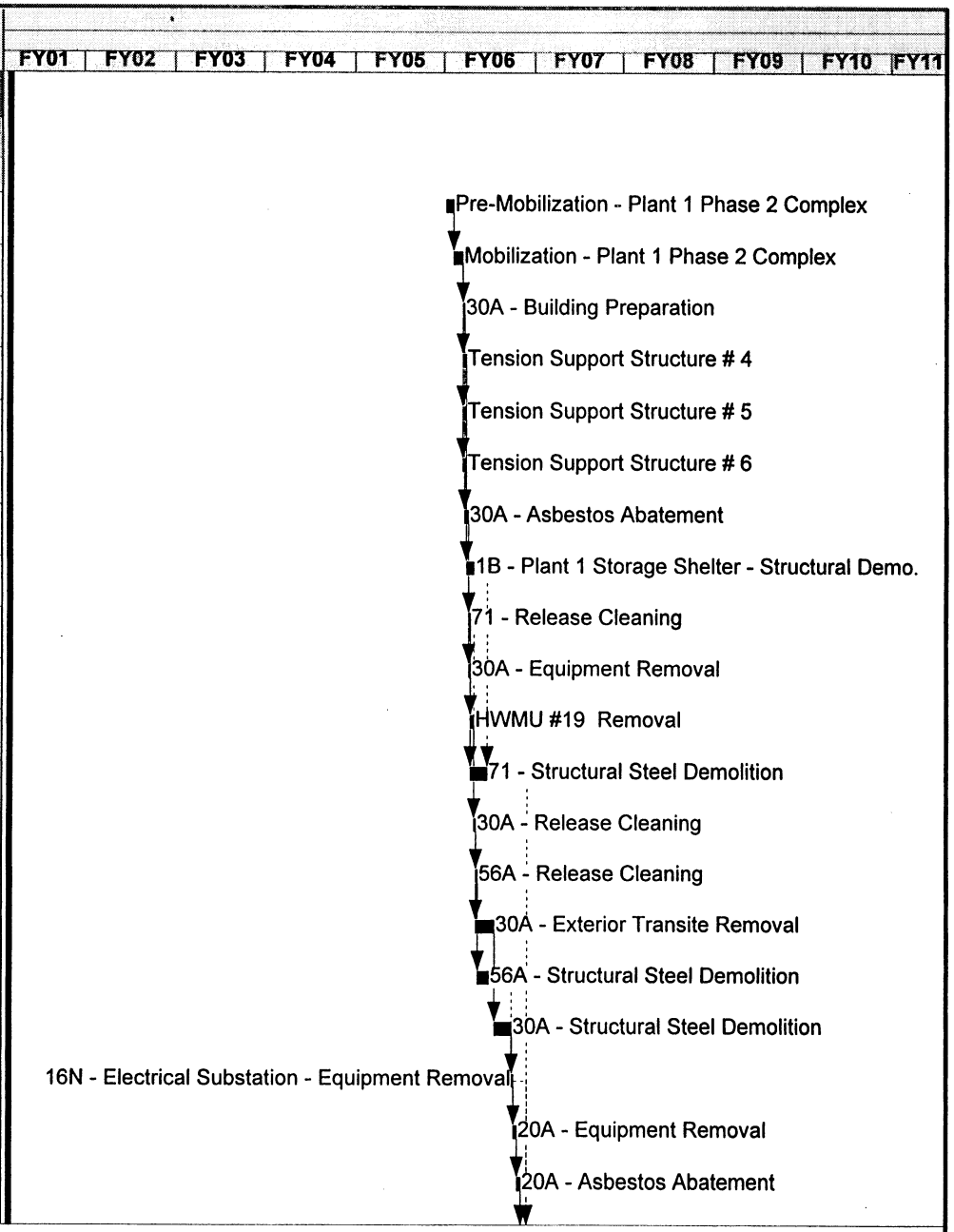
SECTION 1

2.0 SCHEDULE

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
B PBS 02 - FACILITY D&D				
1.1.B.C D&D PROJECTS				
BFDD1 D&D SUB - PLANT 1- PHASE 2 CMPLX				
BDP1P21005	Pre-Mobilization - Plant 1 Phase 2 Complex	03OCT05*	03NOV05	20
BDP1P21008	Mobilization - Plant 1 Phase 2 Complex	07NOV05	12DEC05	20
BDP1P21210	30A - Building Preparation	13DEC05	19DEC05	4
BDP1P20110	Tension Support Structure # 4	13DEC05	27DEC05	8
BDP1P20115	Tension Support Structure # 5	13DEC05	27DEC05	8
BDP1P20120	Tension Support Structure # 6	13DEC05	27DEC05	8
BDP1P21220	30A - Asbestos Abatement	20DEC05	04JAN06	8
BDP1P21800	1B - Plant 1 Storage Shelter - Structural Demo.	28DEC05	25JAN06	16
BDP1P21050	71 - Release Cleaning	05JAN06	11JAN06	4
BDP1P21230	30A - Equipment Removal	05JAN06	11JAN06	4
BDP1P21245	HWMU #19 Removal	12JAN06	25JAN06	8
BDP1P21070	71 - Structural Steel Demolition	12JAN06	23MAR06	40
BDP1P21250	30A - Release Cleaning	26JAN06	08FEB06	8
BDP1P21150	56A - Release Cleaning	09FEB06	15FEB06	4
BDP1P21260	30A - Exterior Transite Removal	09FEB06	20APR06	40
BDP1P21170	56A - Structural Steel Demolition	16FEB06	30MAR06	24
BDP1P21270	30A - Structural Steel Demolition	24APR06	03JUL06	40
BDP1P21300	16N - Electrical Substation - Equipment Removal	05JUL06	11JUL06	4
BDP1P21430	20A - Equipment Removal	12JUL06	25JUL06	8
BDP1P21440	20A - Asbestos Abatement	26JUL06	08AUG06	8



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FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
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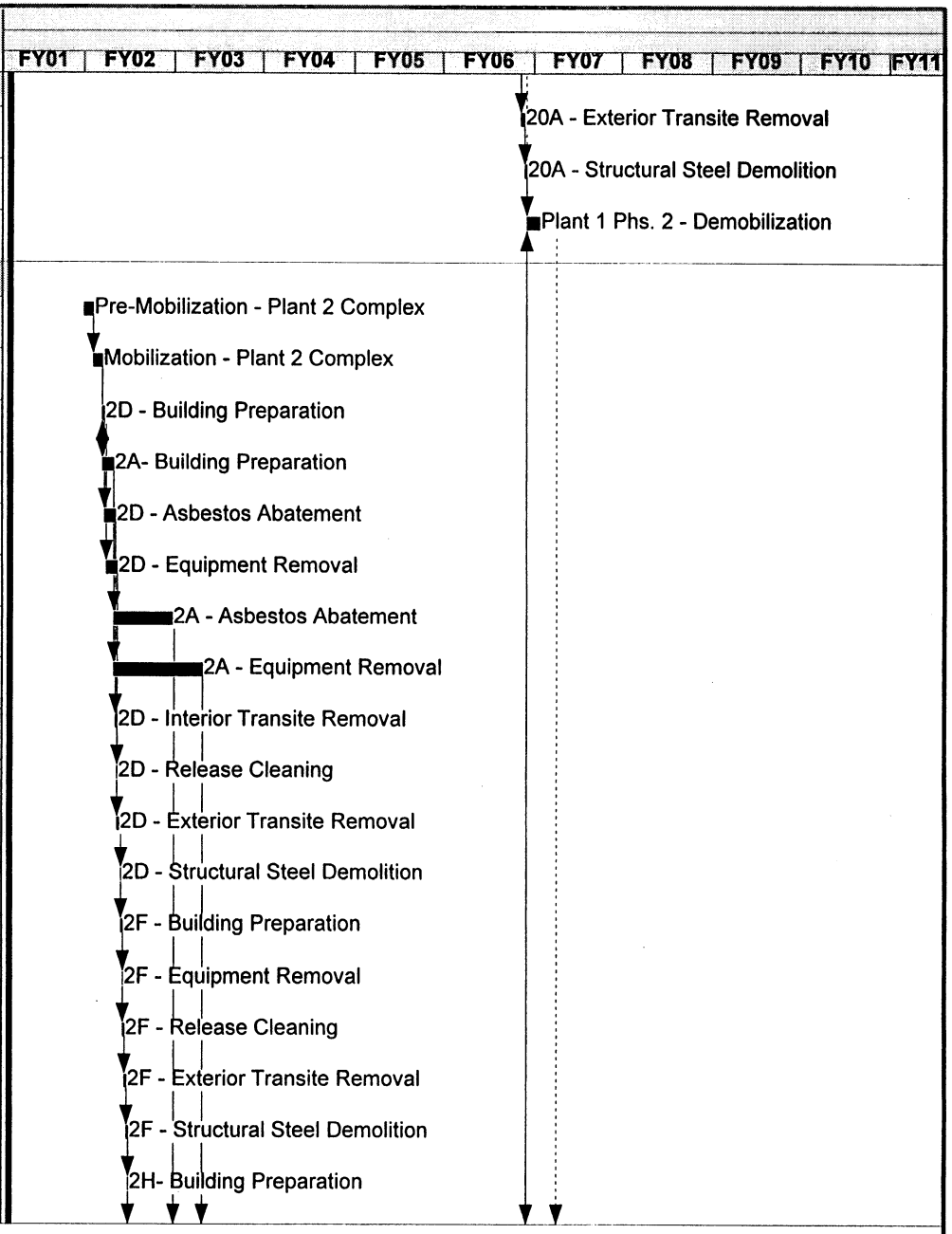
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDD1 D&D SUB - PLANT 1- PHASE 2 CMPLX				
BDP1P21460	20A - Exterior Transite Removal	09AUG06	22AUG06	8
BDP1P21470	20A - Structural Steel Demolition	23AUG06	29AUG06	4
BDP1P21011	Plant 1 Phs. 2 - Demobilization	30AUG06	26OCT06	33
BFDD2 D&D SUB - PLANT 2 COMPLEX				
BDP2C02005	Pre-Mobilization - Plant 2 Complex	01OCT01*	01NOV01	20
BDP2C02008	Mobilization - Plant 2 Complex	05NOV01	11DEC01	20
BDP2C02110	2D - Building Preparation	12DEC01	18DEC01	4
BDP2C02010	2A- Building Preparation	12DEC01	28JAN02	24
BDP2C02120	2D - Asbestos Abatement	19DEC01	04FEB02	24
BDP2C02130	2D - Equipment Removal	31DEC01	11FEB02	24
BDP2C02020	2A - Asbestos Abatement	29JAN02	26SEP02	135
BDP2C02030	2A - Equipment Removal	29JAN02	28JAN03	200
BDP2C02150	2D - Interior Transite Removal	05FEB02	11FEB02	4
BDP2C02160	2D - Release Cleaning	12FEB02	13FEB02	2
BDP2C02170	2D - Exterior Transite Removal	14FEB02	21FEB02	4
BDP2C02180	2D - Structural Steel Demolition	25FEB02	28FEB02	4
BDP2C02210	2F - Building Preparation	04MAR02	04MAR02	1
BDP2C02230	2F - Equipment Removal	05MAR02	11MAR02	4
BDP2C02250	2F - Release Cleaning	12MAR02	18MAR02	4
BDP2C02260	2F - Exterior Transite Removal	19MAR02	25MAR02	4
BDP2C02270	2F - Structural Steel Demolition	26MAR02	01APR02	4
BDP2C02310	2H- Building Preparation	02APR02*	02APR02	1



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1.1.B.C D&D PROJECTS

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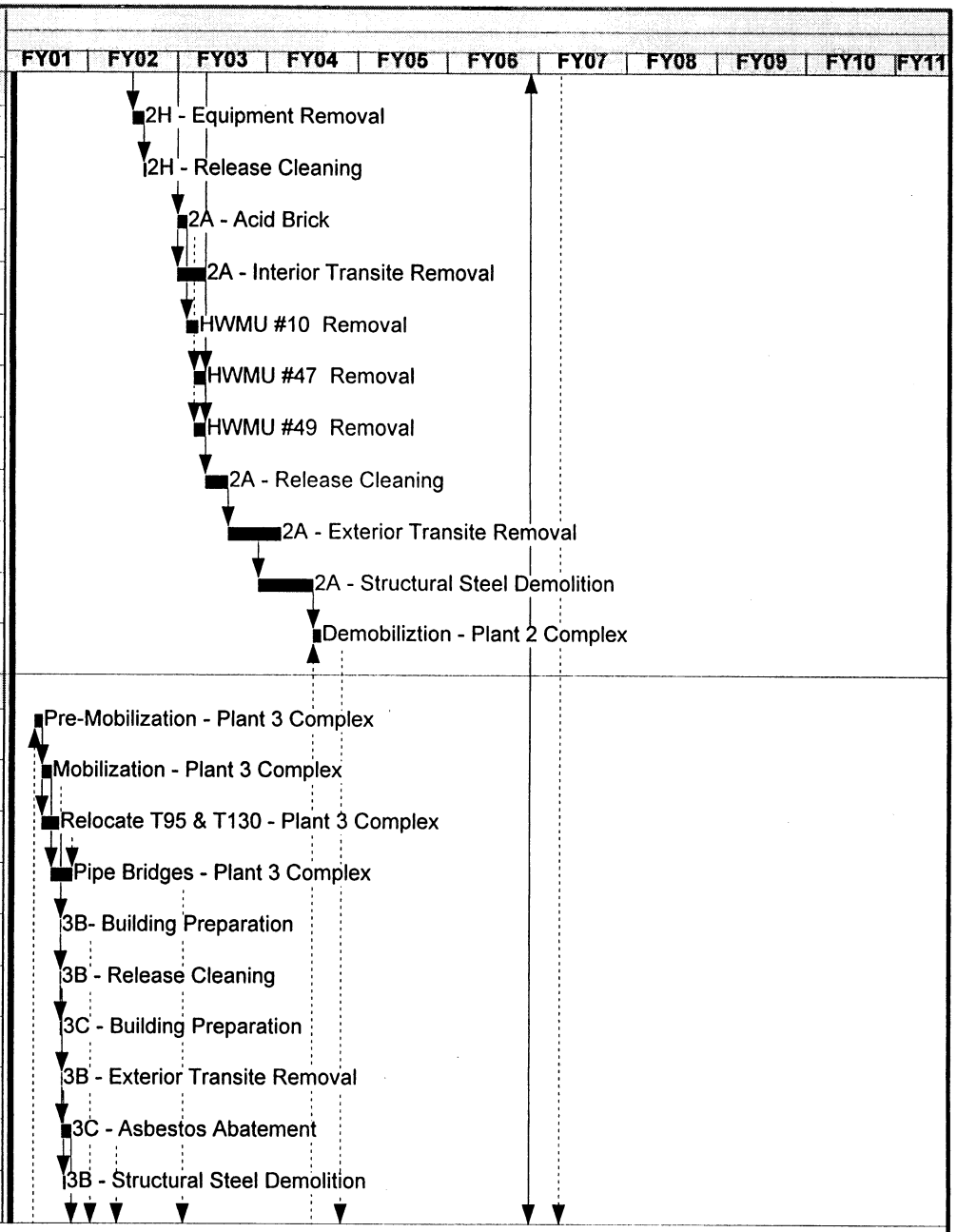
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDD2 D&D SUB - PLANT 2 COMPLEX				
BDP2C02330	2H - Equipment Removal	03APR02	14MAY02	24
BDP2C02360	2H - Release Cleaning	15MAY02	21MAY02	4
BDP2C02040	2A - Acid Brick	30SEP02	07NOV02	24
BDP2C02050	2A - Interior Transite Removal	30SEP02	28JAN03	65
BDP2C02042	HWMU #10 Removal	12NOV02	26DEC02	24
BDP2C02044	HWMU #47 Removal	12DEC02	28JAN03	24
BDP2C02046	HWMU #49 Removal	12DEC02	28JAN03	24
BDP2C02060	2A - Release Cleaning	29JAN03	23APR03	48
BDP2C02070	2A - Exterior Transite Removal	24APR03	25NOV03	120
BDP2C02080	2A - Structural Steel Demolition	28AUG03	06APR04	120
BDP2C02900	Demobiliztion - Plant 2 Complex	07APR04	11MAY04	20
BFDD3 D&D SUB - PLANT 3 COMPLEX				
BDP3C03005	Pre-Mobilization - Plant 3 Complex	01MAR01*	04APR01	20
BDP3C03008	Mobilization - Plant 3 Complex	05APR01	09MAY01	20
BDP3C03701	Relocate T95 & T130 - Plant 3 Complex	05APR01	14JUN01	40
BDP3C03702	Pipe Bridges - Plant 3 Complex	10MAY01	06AUG01	48
BDP3C03010	3B- Building Preparation	18JUN01	19JUN01	2
BDP3C03060	3B - Release Cleaning	20JUN01	21JUN01	2
BDP3C03210	3C - Building Preparation	20JUN01	26JUN01	4
BDP3C03070	3B - Exterior Transite Removal	25JUN01	28JUN01	4
BDP3C03220	3C - Asbestos Abatement	27JUN01	01AUG01	20
BDP3C03080	3B - Structural Steel Demolition	02JUL01	09JUL01	4



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1.1.B.C D&D PROJECTS

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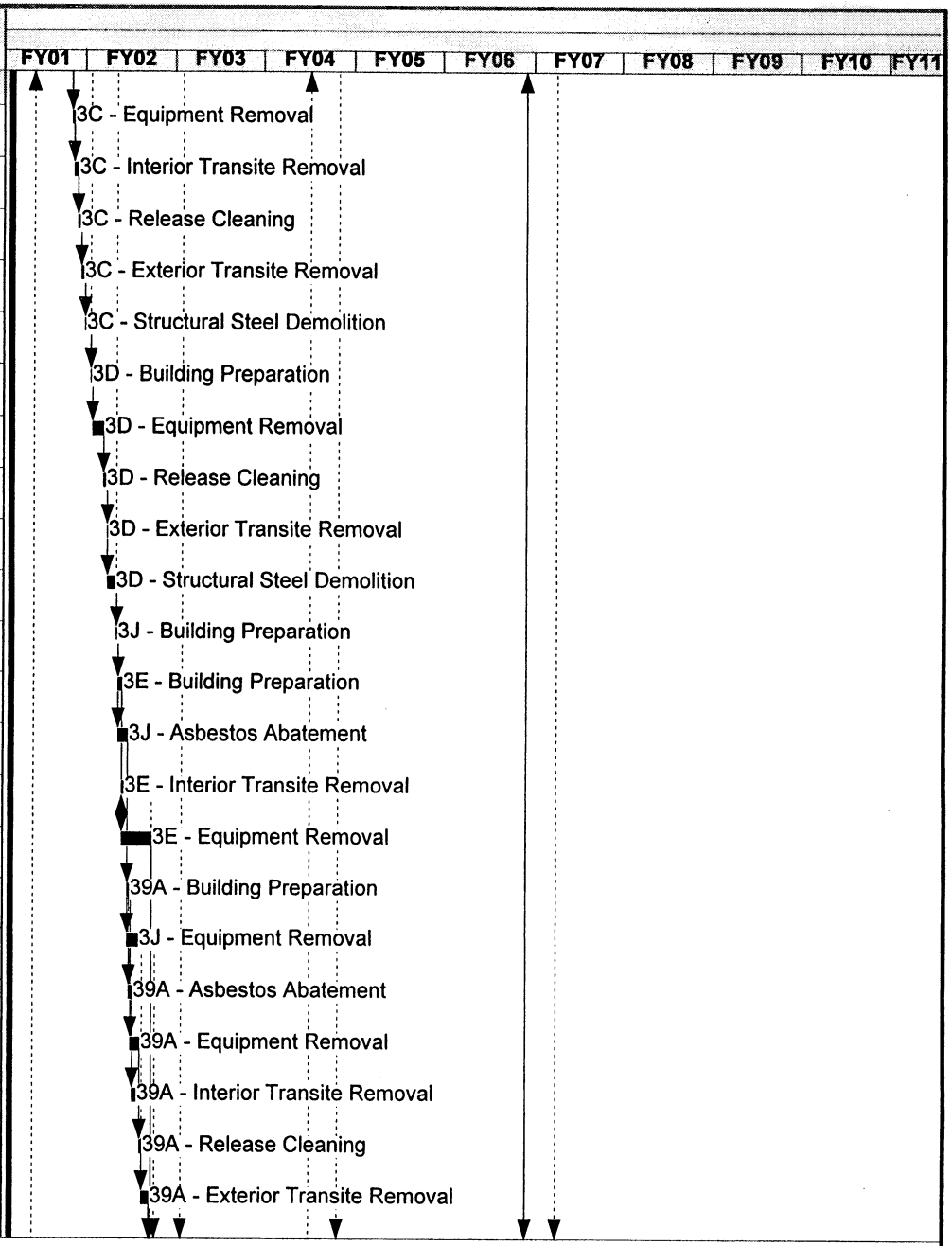
BFDD3 D&D SUB - PLANT 3 COMPLEX				
BDP3C03230	3C - Equipment Removal	02AUG01	15AUG01	8
BDP3C03240	3C - Interior Transite Removal	16AUG01	29AUG01	8
BDP3C03250	3C - Release Cleaning	30AUG01	06SEP01	4
BDP3C03260	3C - Exterior Transite Removal	10SEP01	20SEP01	8
BDP3C03270	3C - Structural Steel Demolition	24SEP01	27SEP01	4
BDP3C03310	3D - Building Preparation	17OCT01	23OCT01	4
BDP3C03330	3D - Equipment Removal	31OCT01	13DEC01	24
BDP3C03350	3D - Release Cleaning	17DEC01	20DEC01	4
BDP3C03360	3D - Exterior Transite Removal	26DEC01	26DEC01	1
BDP3C03370	3D - Structural Steel Demolition	27DEC01	31JAN02	20
BDP3C03410	3J - Building Preparation	04FEB02	07FEB02	4
BDP3C03110	3E - Building Preparation	11FEB02	25FEB02	8
BDP3C03420	3J - Asbestos Abatement	11FEB02	25MAR02	24
BDP3C03140	3E - Interior Transite Removal	26FEB02	11MAR02	8
BDP3C03130	3E - Equipment Removal	26FEB02	02JUL02	72
BDP3C03610	39A - Building Preparation	26MAR02	01APR02	4
BDP3C03430	3J - Equipment Removal	26MAR02	06MAY02	24
BDP3C03620	39A - Asbestos Abatement	02APR02	15APR02	8
BDP3C03630	39A - Equipment Removal	09APR02	13MAY02	20
BDP3C03640	39A - Interior Transite Removal	16APR02	29APR02	8
BDP3C03650	39A - Release Cleaning	14MAY02	20MAY02	4
BDP3C03660	39A - Exterior Transite Removal	21MAY02	25JUN02	20



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1.1.B.C D&D PROJECTS

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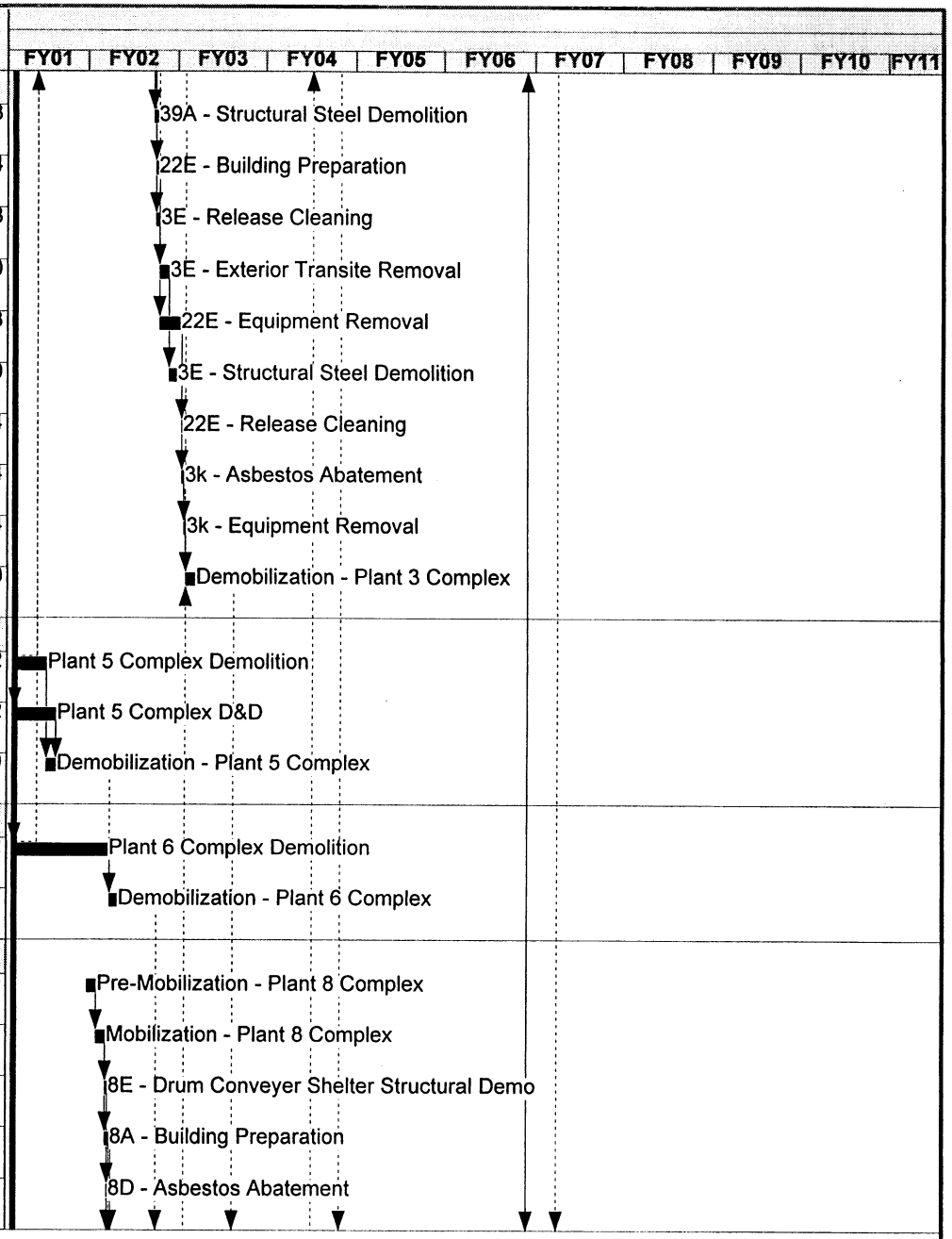
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDD3 D&D SUB - PLANT 3 COMPLEX				
BDP3C03670	39A - Structural Steel Demolition	26JUN02	10JUL02	8
BDP3C03510	22E - Building Preparation	03JUL02	10JUL02	4
BDP3C03150	3E - Release Cleaning	03JUL02	17JUL02	8
BDP3C03160	3E - Exterior Transite Removal	18JUL02	21AUG02	20
BDP3C03530	22E - Equipment Removal	18JUL02	10OCT02	48
BDP3C03170	3E - Structural Steel Demolition	22AUG02	26SEP02	20
BDP3C03550	22E - Release Cleaning	14OCT02	17OCT02	4
BDP3C0720	3k - Asbestos Abatement	21OCT02	24OCT02	4
BDP3C0730	3k - Equipment Removal	28OCT02	31OCT02	4
BDP3C03011	Demobilization - Plant 3 Complex	04NOV02	10DEC02	20
BFDD5 D&D SUB - PLANT 5 COMPLEX				
BDXU5C8900	Plant 5 Complex Demolition	04DEC00	11APR01	72
BDXU5C8800	Plant 5 Complex D&D	04DEC00	16MAY01	92
BDXU5C1009	Demobilization - Plant 5 Complex	12APR01	16MAY01	20
BFDD6 D&D SUB - PLANT 6 COMPLEX				
BDXU6C1003	Plant 6 Complex Demolition	04DEC00	20DEC01	212
BDXU6C1004	Demobilization - Plant 6 Complex	26DEC01	24JAN02	17
BFDD8 D&D SUB - PLANT 8 COMPLEX				
BDP8C08105	Pre-Mobilization - Plant 8 Complex	01OCT01*	01NOV01	20
BDP8C08108	Mobilization - Plant 8 Complex	05NOV01	11DEC01	20
BDP8C08500	8E - Drum Conveyer Shelter Structural Demo	12DEC01	18DEC01	4
BDP8C08110	8A - Building Preparation	12DEC01*	27DEC01	8
BDP8C08420	8D - Asbestos Abatement	19DEC01	19DEC01	1



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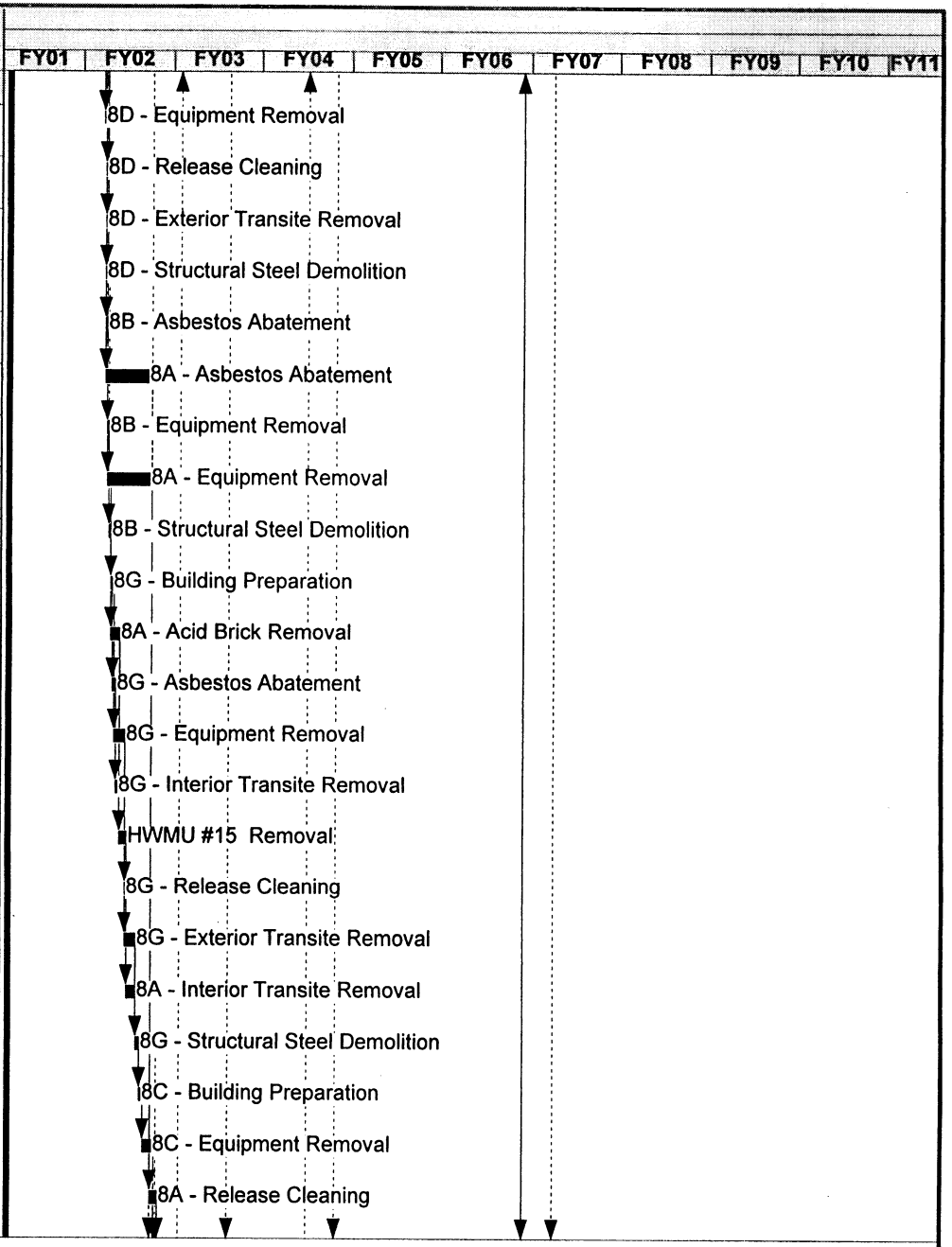
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDD8 D&D SUB - PLANT 8 COMPLEX				
BDP8C08430	8D - Equipment Removal	20DEC01	20DEC01	1
BDP8C08450	8D - Release Cleaning	26DEC01	26DEC01	1
BDP8C08460	8D - Exterior Transite Removal	27DEC01	27DEC01	1
BDP8C08470	8D - Structural Steel Demolition	31DEC01	31DEC01	1
BDP8C08220	8B - Asbestos Abatement	31DEC01	07JAN02	4
BDP8C08120	8A - Asbestos Abatement	31DEC01	26JUN02	100
BDP8C08230	8B - Equipment Removal	08JAN02	14JAN02	4
BDP8C08130	8A - Equipment Removal	08JAN02	03JUL02	100
BDP8C08270	8B - Structural Steel Demolition	15JAN02	21JAN02	4
BDP8C08610	8G - Building Preparation	22JAN02	28JAN02	4
BDP8C08135	8A - Acid Brick Removal	22JAN02	26FEB02	20
BDP8C08620	8G - Asbestos Abatement	29JAN02	11FEB02	8
BDP8C08630	8G - Equipment Removal	05FEB02	19MAR02	24
BDP8C08640	8G - Interior Transite Removal	12FEB02	19FEB02	4
BDP8C08137	HWMU #15 Removal	27FEB02	02APR02	20
BDP8C08650	8G - Release Cleaning	20MAR02	26MAR02	4
BDP8C08660	8G - Exterior Transite Removal	27MAR02	07MAY02	24
BDP8C08140	8A - Interior Transite Removal	03APR02	07MAY02	20
BDP8C08670	8G - Structural Steel Demolition	08MAY02	21MAY02	8
BDP8C08310	8C - Building Preparation	22MAY02	29MAY02	4
BDP8C08330	8C - Equipment Removal	06JUN02	18JUL02	24
BDP8C08150	8A - Release Cleaning	08JUL02	08AUG02	20



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	D-705 & 861		
	R1-F02-029		
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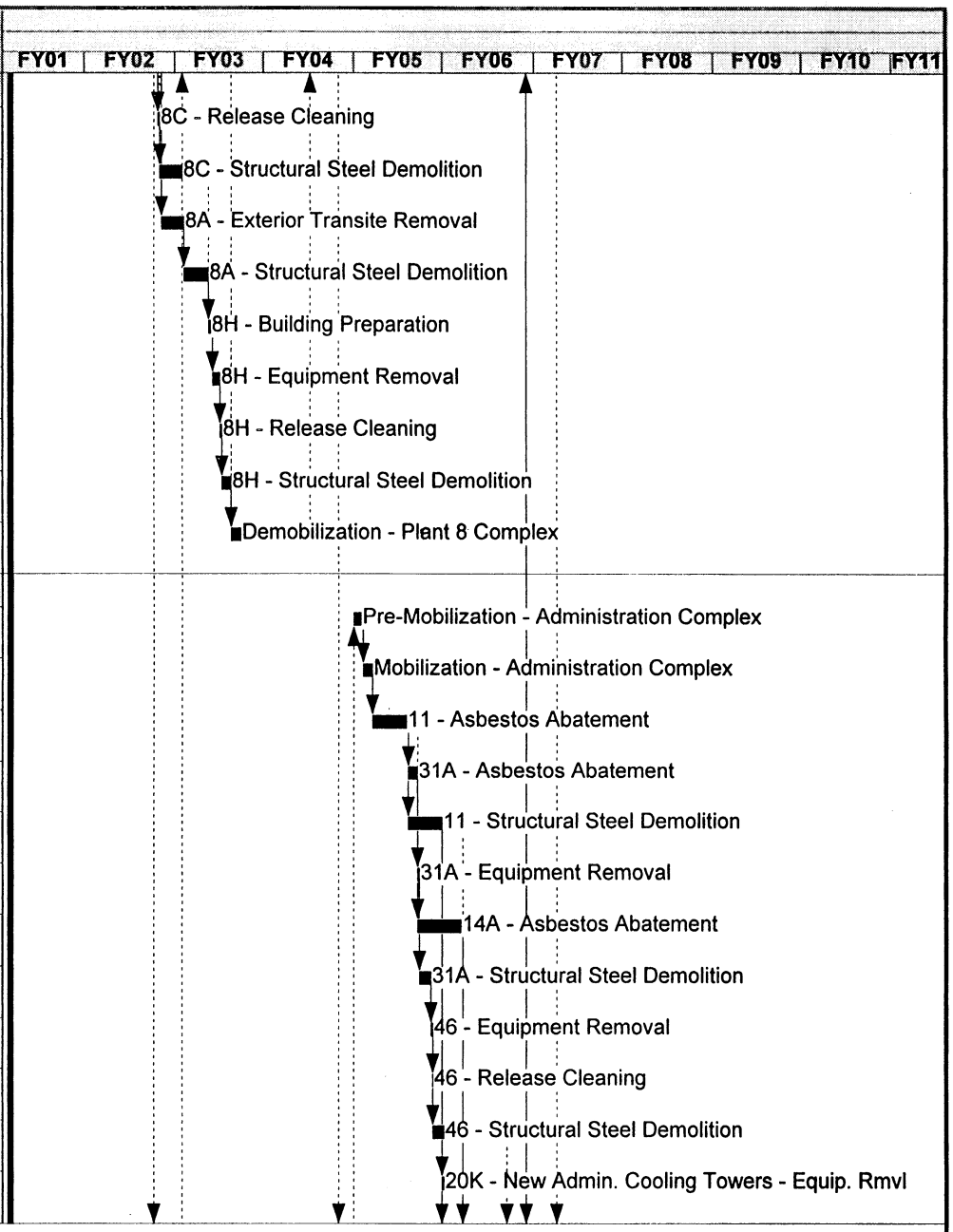
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDD8 D&D SUB - PLANT 8 COMPLEX				
BDP8C08350	8C - Release Cleaning	22JUL02	01AUG02	8
BDP8C08370	8C - Structural Steel Demolition	05AUG02	28OCT02	48
BDP8C08160	8A - Exterior Transite Removal	12AUG02	12NOV02	52
BDP8C08170	8A - Structural Steel Demolition	13NOV02	13FEB03	50
BDP8C08710	8H - Building Preparation	18FEB03	24FEB03	4
BDP8C08730	8H - Equipment Removal	04MAR03	07APR03	20
BDP8C08750	8H - Release Cleaning	08APR03	14APR03	4
BDP8C08770	8H - Structural Steel Demolition	15APR03	19MAY03	20
BDP8C08111	Demobilization - Plant 8 Complex	20MAY03	01JUL03	24
BFDDA D&D SUB - ADMINISTRATION CMPLX				
BDADM10105	Pre-Mobilization - Administration Complex	04OCT04	04NOV04	20
BDADM10110	Mobilization - Administration Complex	08NOV04	14DEC04	20
BDADM11020	11 - Asbestos Abatement	15DEC04	05MAY05	80
BDELST1120	31A - Asbestos Abatement	09MAY05	20JUN05	24
BDADM11070	11 - Structural Steel Demolition	09MAY05	28SEP05	80
BDELST1130	31A - Equipment Removal	21JUN05	27JUN05	4
BDADM11320	14A - Asbestos Abatement	21JUN05	15DEC05	100
BDELST1170	31A - Structural Steel Demolition	28JUN05	09AUG05	24
BDELST1230	46 - Equipment Removal	10AUG05	16AUG05	4
BDELST1250	46 - Release Cleaning	17AUG05	23AUG05	4
BDELST1270	46 - Structural Steel Demolition	24AUG05	05OCT05	24
BDADM10200	20K - New Admin. Cooling Towers - Equip. Rmvl	29SEP05	05OCT05	4



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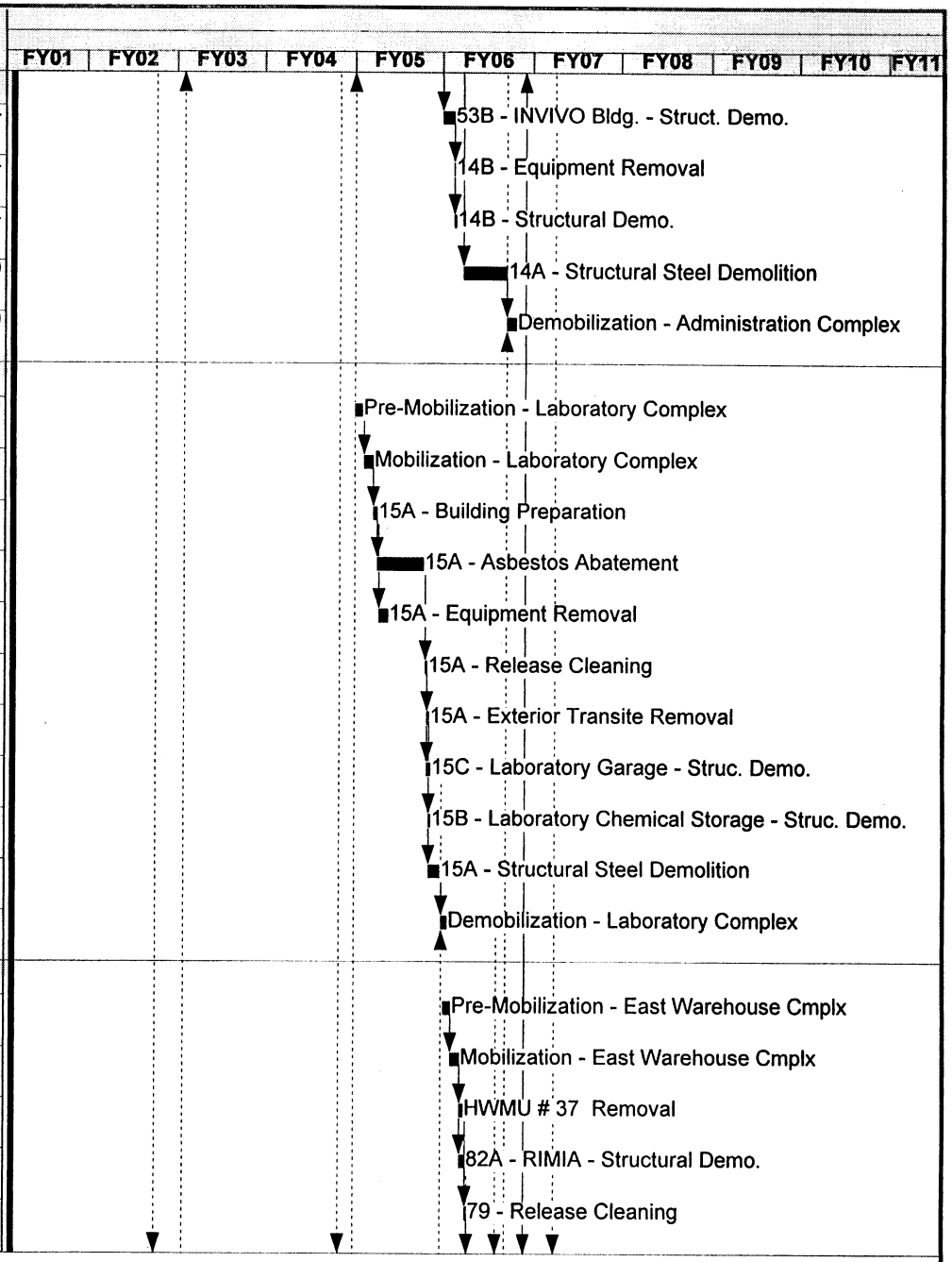
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDA D&D SUB - ADMINISTRATION CMPLX				
BDADMN1040	53B - INVIVO Bldg. - Struct. Demo.	29SEP05*	09NOV05	24
BDADM11410	14B - Equipment Removal	10NOV05	16NOV05	4
BDADM11420	14B - Structural Demo.	17NOV05	23NOV05	4
BDADM11370	14A - Structural Steel Demolition	19DEC05	15JUN06	100
BDADM11490	Demobilization - Administration Complex	19JUN06	24JUL06	20
BFDDB D&D SUB - LABORATORY COMPLEX				
BDLABC0105	Pre-Mobilization - Laboratory Complex	04OCT04*	04NOV04	20
BDLABC0108	Mobilization - Laboratory Complex	08NOV04	14DEC04	20
BDLABC0110	15A - Building Preparation	15DEC04	29DEC04	8
BDLABC0120	15A - Asbestos Abatement	30DEC04	14JUL05	110
BDLABC0130	15A - Equipment Removal	06JAN05	16FEB05	24
BDLABC0150	15A - Release Cleaning	18JUL05	28JUL05	8
BDLABC0160	15A - Exterior Transite Removal	01AUG05	04AUG05	4
BDLABC0300	15C - Laboratory Garage - Struc. Demo.	01AUG05	15AUG05	9
BDLABC0200	15B - Laboratory Chemical Storage - Struc. Demo.	08AUG05	15AUG05	5
BDLABC0170	15A - Structural Steel Demolition	08AUG05	22SEP05	27
BDLABC0900	Demobilization - Laboratory Complex	26SEP05	24OCT05	17
BFDDE D&D SUB - EAST WAREHOUSE CMPLX				
BDEWHC1005	Pre-Mobilization - East Warehouse Cmplx	03OCT05*	03NOV05	20
BDEWHC1008	Mobilization - East Warehouse Cmplx	07NOV05	12DEC05	20
BDEWHC1105	HWMU # 37 Removal	13DEC05	29DEC05	10
BDEWHC1200	82A - RIMIA - Structural Demo.	13DEC05	04JAN06	12
BDEWHC1150	79 - Release Cleaning	03JAN06	16JAN06	8



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FACILITY D&D

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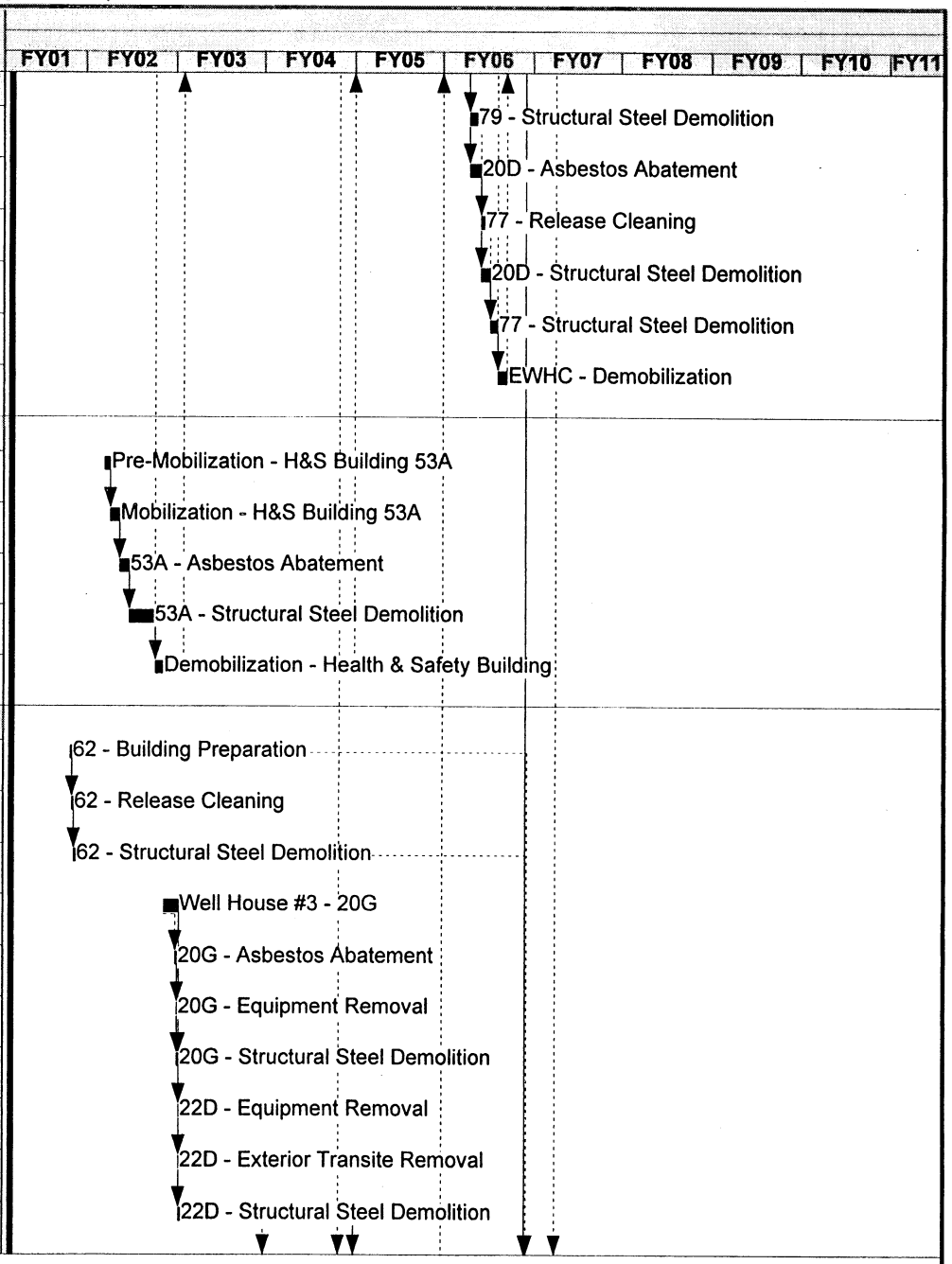
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDE D&D SUB - EAST WAREHOUSE CMPLX				
BDEWHC1170	79 - Structural Steel Demolition	17JAN06	13FEB06	16
BDEWHC1320	20D - Asbestos Abatement	17JAN06	28FEB06	24
BDEWHC1050	77 - Release Cleaning	01MAR06	14MAR06	8
BDEWHC1370	20D - Structural Steel Demolition	01MAR06	11APR06	24
BDEWHC1070	77 - Structural Steel Demolition	12APR06	09MAY06	16
BDEWHC1011	EWHC - Demobilization	10MAY06	14JUN06	20
BFDDH HEALTH & SAFETY BUILDING				
BDADM10101	Pre-Mobilization - H&S Building 53A	17DEC01*	07JAN02	10
BDADM00101	Mobilization - H&S Building 53A	08JAN02	11FEB02	20
BDADM10120	53A - Asbestos Abatement	12FEB02	19MAR02	20
BDADM10170	53A - Structural Steel Demolition	20MAR02	03JUL02	60
BDADM11500	Demobilization - Health & Safety Building	08JUL02	08AUG02	20
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDP1P21710	62 - Building Preparation	01AUG01	07AUG01	4
BDP1P21750	62 - Release Cleaning	08AUG01	14AUG01	4
BDP1P21770	62 - Structural Steel Demolition	15AUG01	21AUG01	4
BDLQS71500	Well House #3 - 20G	19AUG02*	14OCT02	32
BDLQS71520	20G - Asbestos Abatement	01OCT02*	07OCT02	4
BDLQS71530	20G - Equipment Removal	08OCT02	09OCT02	2
BDLQS71570	20G - Structural Steel Demolition	10OCT02	14OCT02	2
BDLQS71630	22D - Equipment Removal	15OCT02	16OCT02	2
BDLQS71660	22D - Exterior Transite Removal	17OCT02	17OCT02	1
BDLQS71670	22D - Structural Steel Demolition	21OCT02	21OCT02	1



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FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
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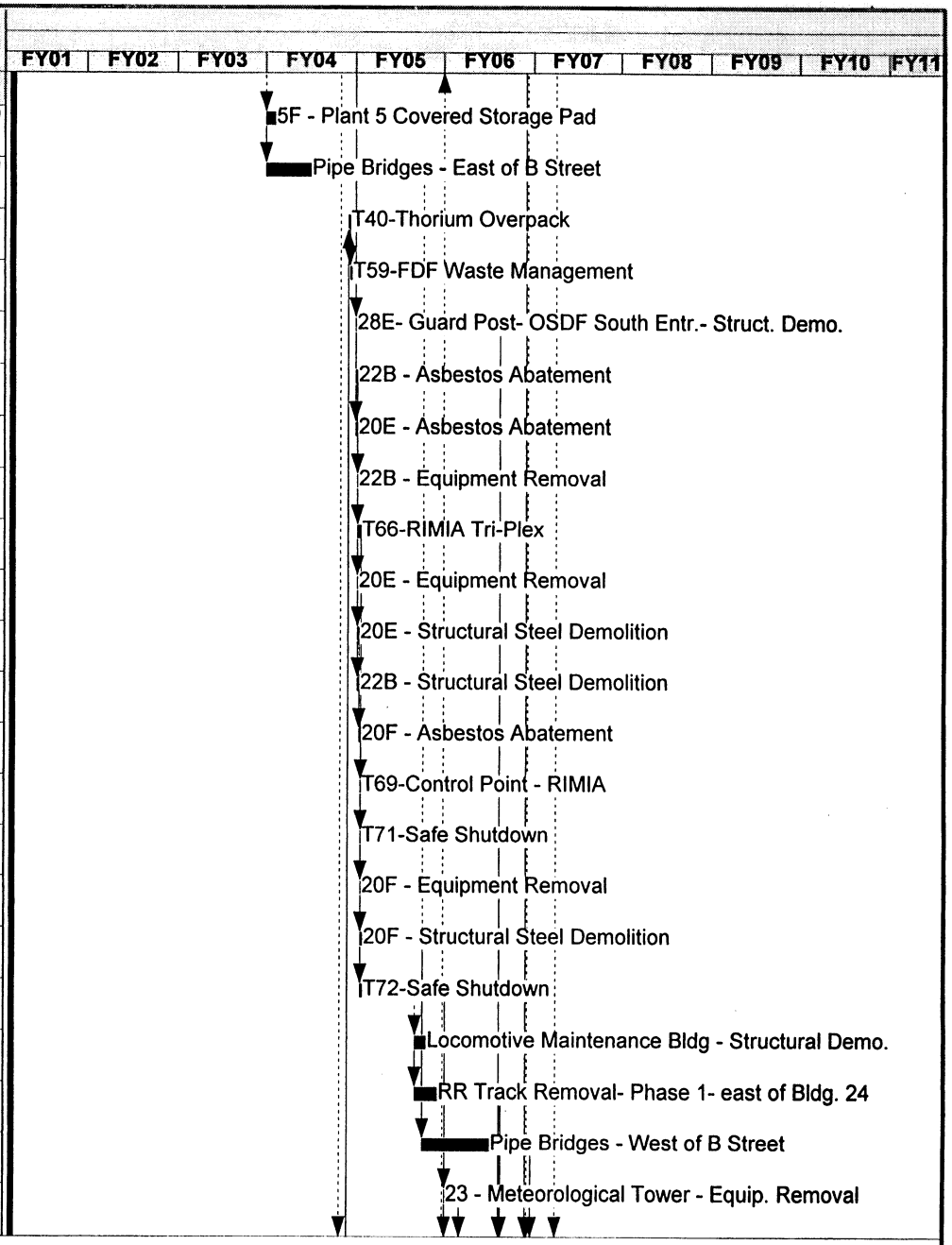
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDP5C00500	5F - Plant 5 Covered Storage Pad	01OCT03*	04NOV03	20
BDPPB00010	Pipe Bridges - East of B Street	01OCT03	01APR04	100
BDTRLR1033	T40-Thorium Overpack	02SEP04	08SEP04	4
BDTRLR1044	T59-FDF Waste Management	09SEP04	14SEP04	4
BDADMN1030	28E- Guard Post- OSDF South Entr.- Struct. Demo.	04OCT04*	04OCT04	1
BDLQS71920	22B - Asbestos Abatement	04OCT04	05OCT04	2
BDLQS71320	20E - Asbestos Abatement	04OCT04	07OCT04	4
BDLQS71930	22B - Equipment Removal	06OCT04	12OCT04	4
BDTRLR1049	T66-RIMIA Tri-Plex	06OCT04	21OCT04	12
BDLQS71330	20E - Equipment Removal	11OCT04	12OCT04	2
BDLQS71370	20E - Structural Steel Demolition	13OCT04	14OCT04	2
BDLQS71970	22B - Structural Steel Demolition	13OCT04	19OCT04	4
BDLQS71420	20F - Asbestos Abatement	18OCT04	21OCT04	4
BDTRLR1052	T69-Control Point - RIMIA	22OCT04	27OCT04	4
BDTRLR1053	T71-Safe Shutdown	22OCT04	27OCT04	4
BDLQS71430	20F - Equipment Removal	25OCT04	26OCT04	2
BDLQS71470	20F - Structural Steel Demolition	27OCT04	28OCT04	2
BDTRLR1054	T72-Safe Shutdown	28OCT04	02NOV04	4
BDMSSC1450	Locomotive Maintenance Bldg - Structural Demo.	07JUN05*	19JUL05	24
BDMSSC1500	RR Track Removal- Phase 1- east of Bldg. 24	07JUN05	01SEP05	50
BDPPB00015	Pipe Bridges - West of B Street	05JUL05	04APR06	152
BDADMN1050	23 - Meteorological Tower - Equip. Removal	03OCT05*	03OCT05	1



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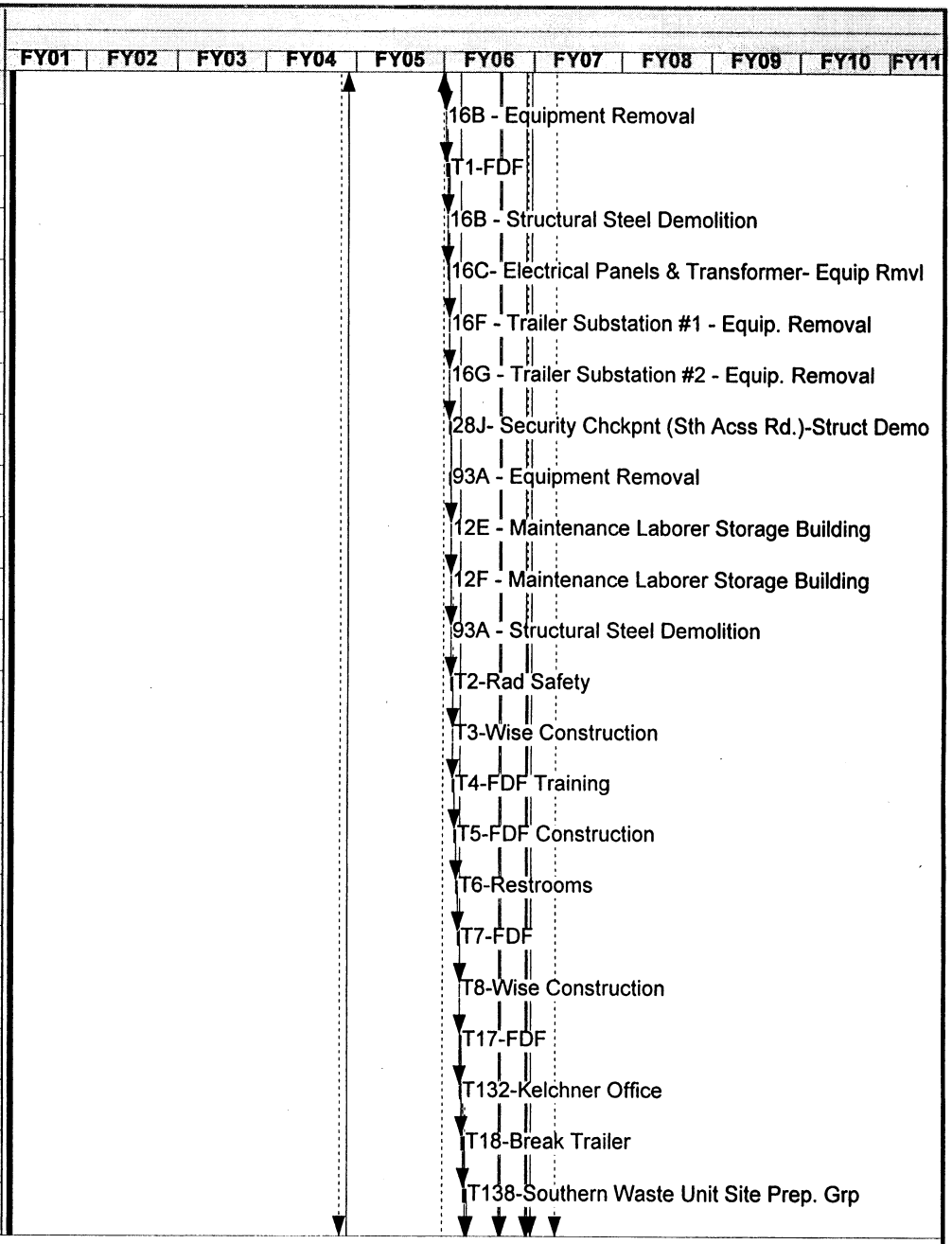
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDELST1430	16B - Equipment Removal	03OCT05	06OCT05	4
BDTRLR1011	T1-FDF	03OCT05	24OCT05	16
BDELST1470	16B - Structural Steel Demolition	10OCT05	13OCT05	4
BDELST1500	16C- Electrical Panels & Transformer- Equip Rmvl	17OCT05	17OCT05	1
BDELST1800	16F - Trailer Substation #1 - Equip. Removal	18OCT05	18OCT05	1
BDELST1900	16G - Trailer Substation #2 - Equip. Removal	19OCT05	19OCT05	1
BDADMN1070	28J- Security Chckpnt (Sth Acss Rd.)-Struct Demo	25OCT05	25OCT05	1
BDMSS10030	93A - Equipment Removal	25OCT05	26OCT05	2
BDMSS10100	12E - Maintenance Laborer Storage Building	26OCT05	26OCT05	1
BDMSS10200	12F - Maintenance Laborer Storage Building	27OCT05	27OCT05	1
BDMSS10070	93A - Structural Steel Demolition	27OCT05	31OCT05	2
BDTRLR1012	T2-Rad Safety	27OCT05	01NOV05	4
BDTRLR1013	T3-Wise Construction	02NOV05	07NOV05	4
BDTRLR1014	T4-FDF Training	08NOV05	14NOV05	4
BDTRLR1015	T5-FDF Construction	15NOV05	18NOV05	4
BDTRLR1016	T6-Restrooms	21NOV05	28NOV05	4
BDTRLR1017	T7-FDF	29NOV05	02DEC05	4
BDTRLR1018	T8-Wise Construction	05DEC05	08DEC05	4
BDTRLR1020	T17-FDF	09DEC05	14DEC05	4
BDTRLR1087	T132-Kelchner Office	09DEC05	14DEC05	4
BDTRLR1021	T18-Break Trailer	15DEC05	28DEC05	8
BDTRLR1089	T138-Southern Waste Unit Site Prep. Grp	21DEC05	04JAN06	8



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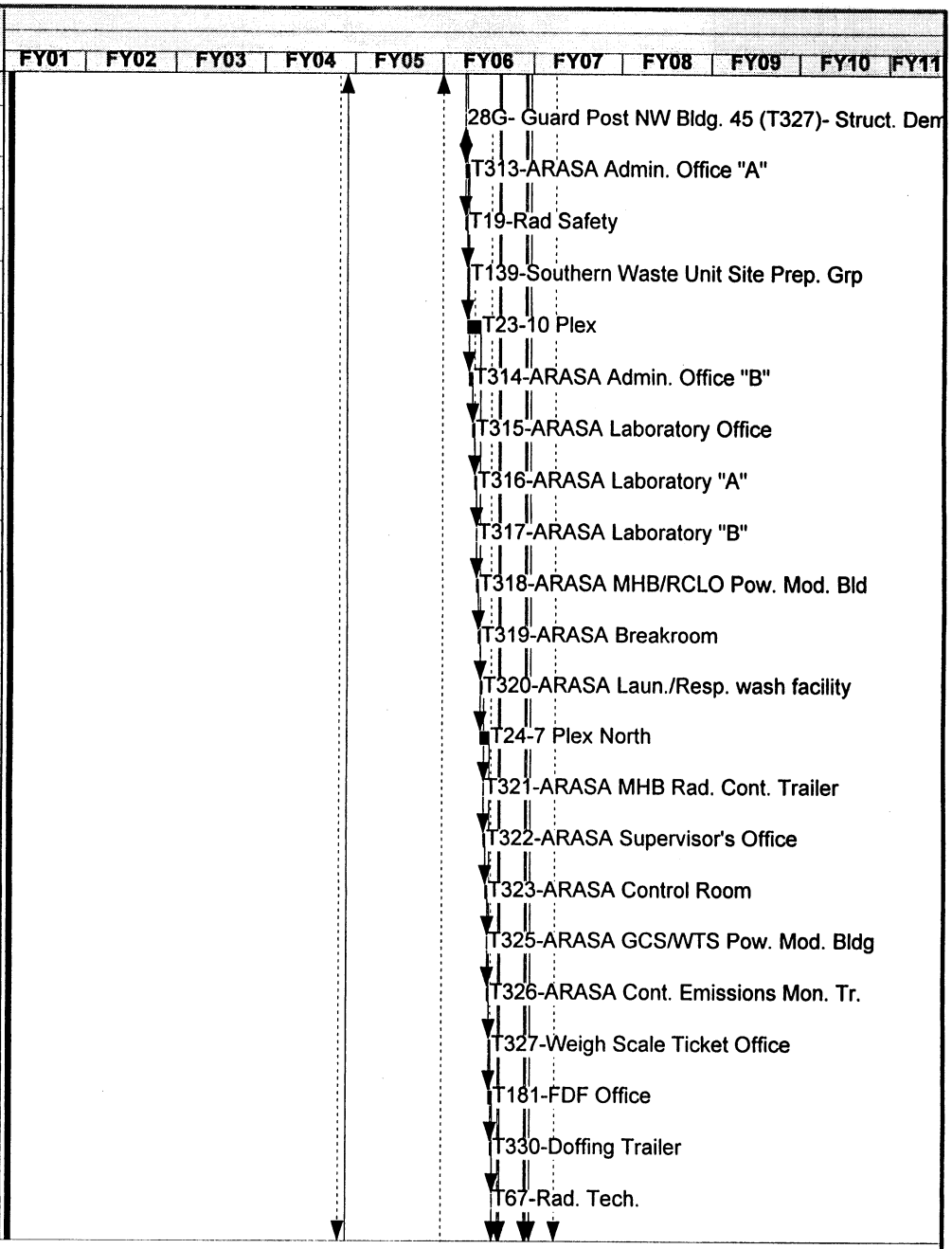
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDADMN1035	28G- Guard Post NW Bldg. 45 (T327)- Struct. Demo	27DEC05	27DEC05	1
BDTRLR1118	T313-ARASA Admin. Office "A"	27DEC05	12JAN06	12
BDTRLR1022	T19-Rad Safety	29DEC05	04JAN06	4
BDTRLR1090	T139-Southern Waste Unit Site Prep. Grp	05JAN06	16JAN06	8
BDTRLR1023	T23-10 Plex	05JAN06	02MAR06	40
BDTRLR1119	T314-ARASA Admin. Office "B"	13JAN06	30JAN06	12
BDTRLR1120	T315-ARASA Laboratory Office	31JAN06	03FEB06	4
BDTRLR1121	T316-ARASA Laboratory "A"	06FEB06	09FEB06	4
BDTRLR1122	T317-ARASA Laboratory "B"	10FEB06	15FEB06	4
BDTRLR1123	T318-ARASA MHB/RCLO Pow. Mod. Bld	16FEB06	22FEB06	4
BDTRLR1124	T319-ARASA Breakroom	23FEB06	28FEB06	4
BDTRLR1125	T320-ARASA Laun./Resp. wash facility	01MAR06	10MAR06	8
BDTRLR1024	T24-7 Plex North	03MAR06	11APR06	28
BDTRLR1126	T321-ARASA MHB Rad. Cont. Trailer	13MAR06	16MAR06	4
BDTRLR1127	T322-ARASA Supervisor's Office	17MAR06	22MAR06	4
BDTRLR1128	T323-ARASA Control Room	23MAR06	28MAR06	4
BDTRLR1129	T325-ARASA GCS/WTS Pow. Mod. Bldg	29MAR06	03APR06	4
BDTRLR1130	T326-ARASA Cont. Emissions Mon. Tr.	04APR06	07APR06	4
BDTRLR1131	T327-Weigh Scale Ticket Office	10APR06	13APR06	4
BDTRLR1109	T181-FDF Office	12APR06	24APR06	8
BDTRLR1132	T330-Doffing Trailer	17APR06	20APR06	4
BDTRLR1050	T67-Rad. Tech.	21APR06	26APR06	4



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1.1.B.C D&D PROJECTS

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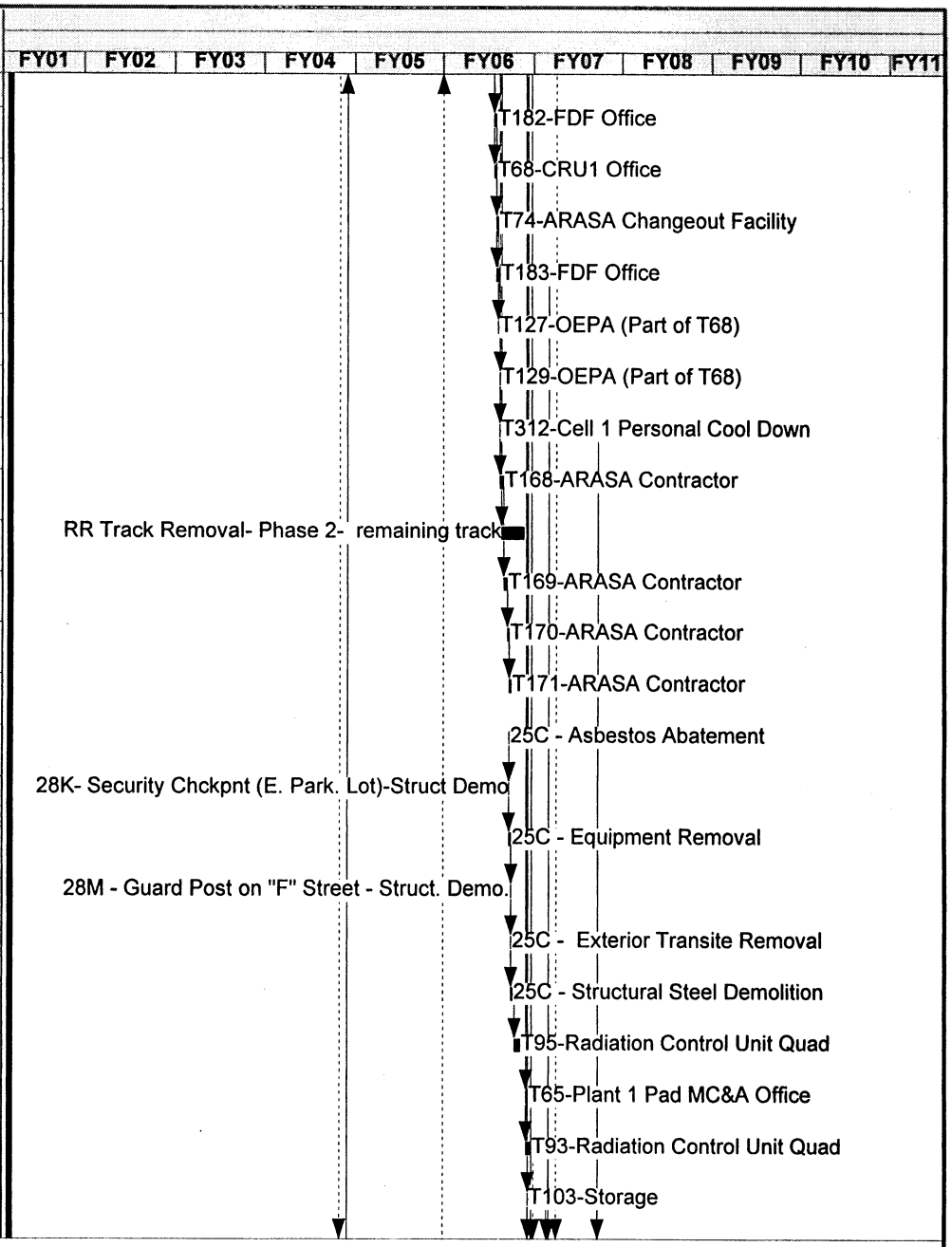
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDTRLR1110	T182-FDF Office	25APR06	04MAY06	8
BDTRLR1051	T68-CRU1 Office	27APR06	02MAY06	4
BDTRLR1055	T74-ARASA Changeout Facility	03MAY06	08MAY06	4
BDTRLR1111	T183-FDF Office	05MAY06	16MAY06	8
BDTRLR1082	T127-OEPA (Part of T68)	09MAY06	12MAY06	4
BDTRLR1084	T129-OEPA (Part of T68)	15MAY06	18MAY06	4
BDTRLR1117	T312-Cell 1 Personal Cool Down	16MAY06	19MAY06	4
BDTRLR1097	T168-ARASA Contractor	19MAY06	31MAY06	8
BDHMSC1550	RR Track Removal- Phase 2- remaining track	25MAY06	23AUG06	50
BDTRLR1098	T169-ARASA Contractor	01JUN06	12JUN06	8
BDTRLR1099	T170-ARASA Contractor	13JUN06	22JUN06	8
BDTRLR1100	T171-ARASA Contractor	23JUN06	05JUL06	8
BDMSS10420	25C - Asbestos Abatement	26JUN06	27JUN06	2
BDADMN1075	28K- Security Chckpnt (E. Park. Lot)-Struct Demo	27JUN06	27JUN06	1
BDMSS10430	25C - Equipment Removal	28JUN06	29JUN06	2
BDADMN1085	28M - Guard Post on "F" Street - Struct. Demo.	29JUN06	29JUN06	1
BDMSS10460	25C - Exterior Transite Removal	03JUL06	03JUL06	1
BDMSS10470	25C - Structural Steel Demolition	05JUL06	06JUL06	2
BDTRLR1069	T95-Radiation Control Unit Quad	18JUL06	08AUG06	16
BDTRLR1048	T65-Plant 1 Pad MC&A Office	30AUG06	05SEP06	4
BDTRLR1067	T93-Radiation Control Unit Quad	30AUG06	21SEP06	16
BDTRLR1074	T103-Storage	07SEP06	12SEP06	4



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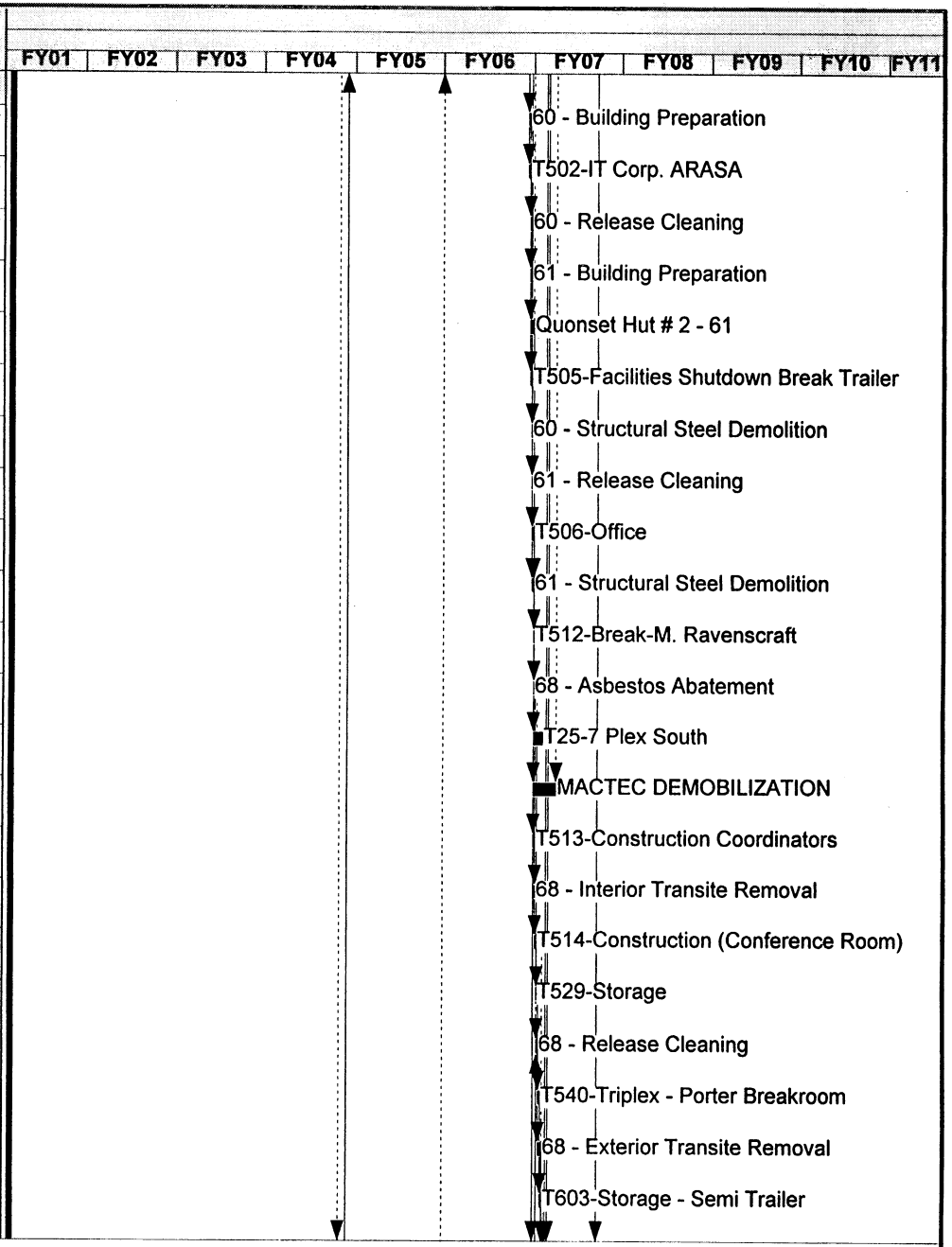
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDP1P21510	60 - Building Preparation	07SEP06*	13SEP06	4
BDTRLR1133	T502-IT Corp. ARASA	13SEP06	18SEP06	4
BDP1P21550	60 - Release Cleaning	14SEP06	20SEP06	4
BDP1P21610	61 - Building Preparation	14SEP06	20SEP06	4
BDP1P21600	Quonset Hut # 2 - 61	14SEP06	04OCT06	12
BDTRLR1134	T505-Facilities Shutdown Break Trailer	19SEP06	22SEP06	4
BDP1P21570	60 - Structural Steel Demolition	21SEP06	27SEP06	4
BDP1P21650	61 - Release Cleaning	21SEP06	27SEP06	4
BDTRLR1135	T506-Office	26SEP06	29SEP06	4
BDP1P21670	61 - Structural Steel Demolition	28SEP06	04OCT06	4
BDTRLR1136	T512-Break-M. Ravenscraft	29SEP06	04OCT06	4
BDPPCX1910	68 - Asbestos Abatement	02OCT06	05OCT06	4
BDTRLR1025	T25-7 Plex South	02OCT06	08NOV06	28
BDMACC0010	MACTEC DEMOBILIZATION	02OCT06	29DEC06	60
BDTRLR1137	T513-Construction Coordinators	05OCT06	10OCT06	4
BDPPCX1920	68 - Interior Transite Removal	09OCT06	12OCT06	4
BDTRLR1138	T514-Construction (Conference Room)	11OCT06	16OCT06	4
BDTRLR1140	T529-Storage	17OCT06	20OCT06	4
BDPPCX1930	68 - Release Cleaning	18OCT06	24OCT06	4
BDTRLR1141	T540-Triplex - Porter Breakroom	23OCT06	01NOV06	8
BDPPCX1940	68 - Exterior Transite Removal	25OCT06	07NOV06	8
BDTRLR1142	T603-Storage - Semi Trailer	02NOV06	07NOV06	4



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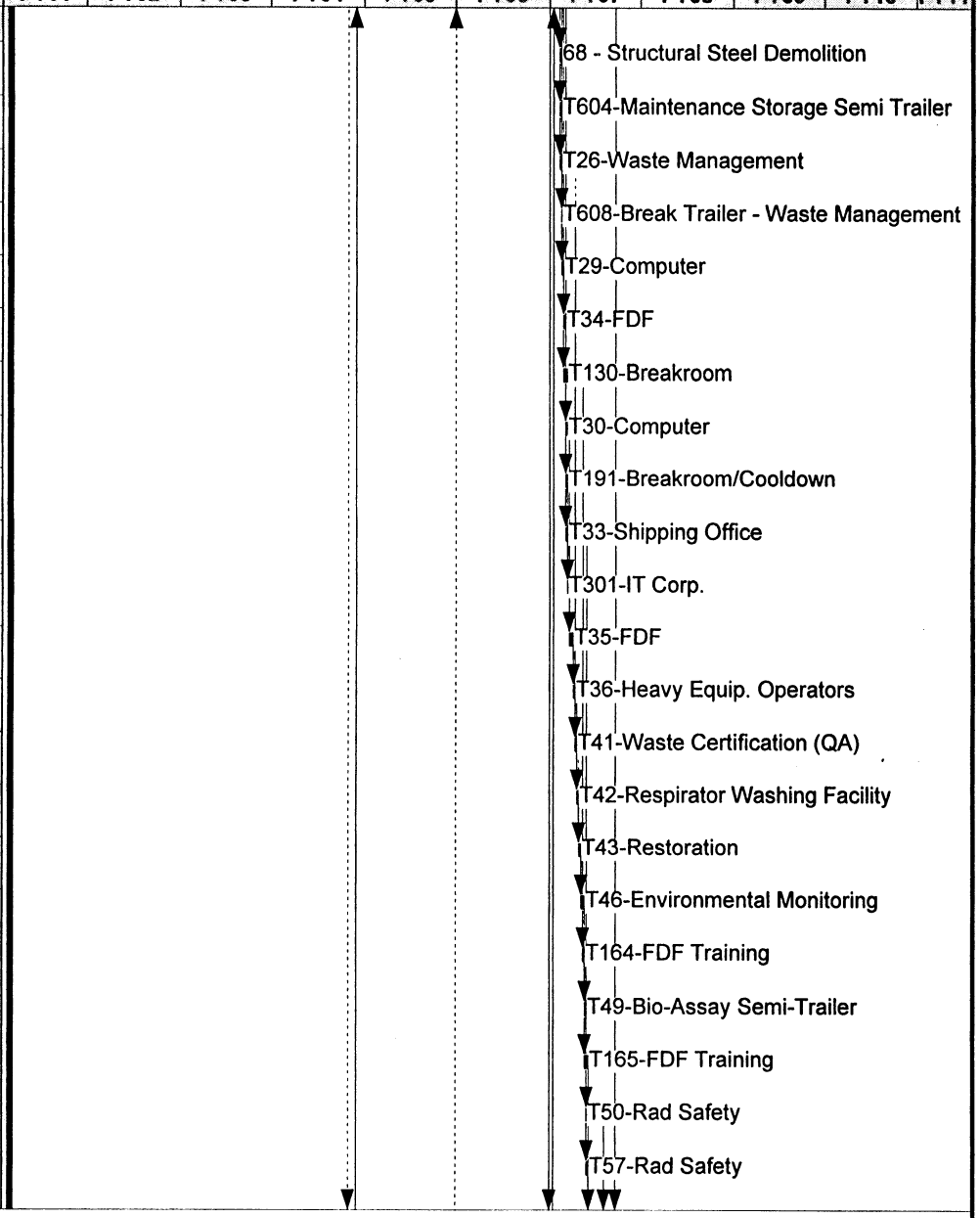
Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDPPCX1950	68 - Structural Steel Demolition	08NOV06	14NOV06	4
BDTRLR1143	T604-Maintenance Storage Semi Trailer	08NOV06	14NOV06	4
BDTRLR1026	T26-Waste Management	09NOV06	15NOV06	4
BDTRLR1144	T608-Break Trailer - Waste Management	15NOV06	20NOV06	4
BDTRLR1027	T29-Computer	21NOV06	28NOV06	4
BDTRLR1030	T34-FDF	28NOV06	01DEC06	4
BDTRLR1085	T130-Breakroom	29NOV06	08DEC06	8
BDTRLR1028	T30-Computer	01DEC06	06DEC06	4
BDTRLR1113	T191-Breakroom/Cooldown	04DEC06	07DEC06	4
BDTRLR1029	T33-Shipping Office	05DEC06	08DEC06	4
BDTRLR1114	T301-IT Corp.	08DEC06	13DEC06	4
BDTRLR1031	T35-FDF	19DEC06	02JAN07	8
BDTRLR1032	T36-Heavy Equip. Operators	03JAN07	08JAN07	4
BDTRLR1034	T41-Waste Certification (QA)	11JAN07	16JAN07	4
BDTRLR1035	T42-Respirator Washing Facility	19JAN07	24JAN07	4
BDTRLR1036	T43-Restoration	25JAN07	05FEB07	8
BDTRLR1039	T46-Environmental Monitoring	06FEB07	15FEB07	8
BDTRLR1093	T164-FDF Training	08FEB07	20FEB07	8
BDTRLR1040	T49-Bio-Assay Semi-Trailer	16FEB07	22FEB07	4
BDTRLR1094	T165-FDF Training	21FEB07	02MAR07	8
BDTRLR1041	T50-Rad Safety	23FEB07	28FEB07	4
BDTRLR1042	T57-Rad Safety	27FEB07	08MAR07	8



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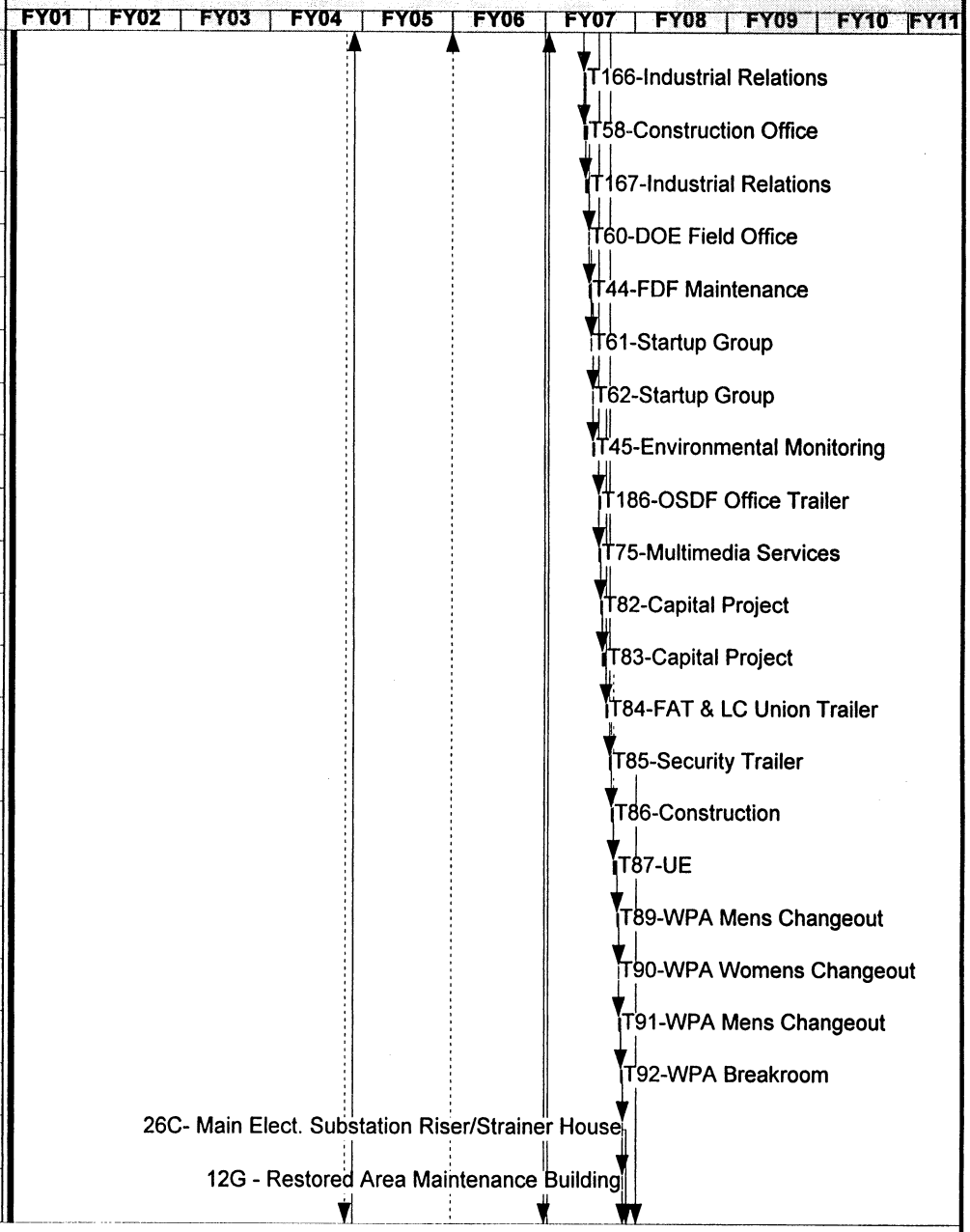
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDTRLR1095	T166-Industrial Relations	05MAR07	14MAR07	8
BDTRLR1043	T58-Construction Office	09MAR07	20MAR07	8
BDTRLR1096	T167-Industrial Relations	15MAR07	26MAR07	8
BDTRLR1045	T60-DOE Field Office	27MAR07	30MAR07	4
BDTRLR1037	T44-FDF Maintenance	27MAR07	05APR07	8
BDTRLR1046	T61-Startup Group	02APR07	05APR07	4
BDTRLR1047	T62-Startup Group	09APR07	12APR07	4
BDTRLR1038	T45-Environmental Monitoring	09APR07	18APR07	8
BDTRLR1112	T186-OSDF Office Trailer	08MAY07	11MAY07	4
BDTRLR1056	T75-Multimedia Services	09MAY07	14MAY07	4
BDTRLR1057	T82-Capital Project	15MAY07	24MAY07	8
BDTRLR1058	T83-Capital Project	25MAY07	06JUN07	8
BDTRLR1059	T84-FAT & LC Union Trailer	05JUN07	14JUN07	8
BDTRLR1060	T85-Security Trailer	18JUN07	27JUN07	8
BDTRLR1061	T86-Construction	27JUN07	09JUL07	8
BDTRLR1062	T87-UE	10JUL07	19JUL07	8
BDTRLR1063	T89-WPA Mens Changeout	20JUL07	25JUL07	4
BDTRLR1064	T90-WPA Womens Changeout	26JUL07	31JUL07	4
BDTRLR1065	T91-WPA Mens Changeout	01AUG07	06AUG07	4
BDTRLR1066	T92-WPA Breakroom	07AUG07	10AUG07	4
BDELST2000	26C- Main Elect. Substation Riser/Strainer House	13AUG07	13AUG07	1
BDMSS10300	12G - Restored Area Maintenance Building	13AUG07	13AUG07	1



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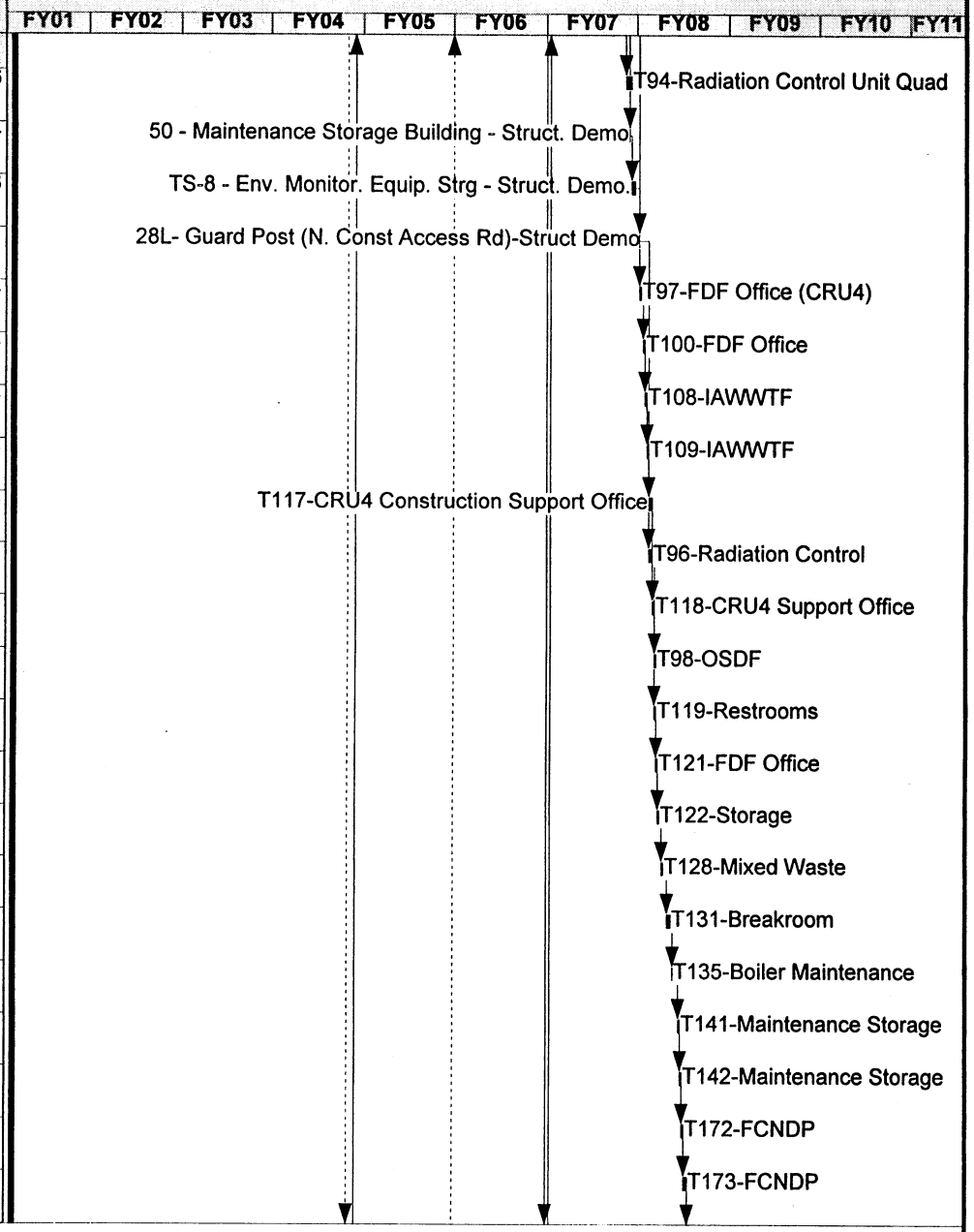
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDTRLR1068	T94-Radiation Control Unit Quad	13AUG07	04SEP07	16
BDADMN1090	50 - Maintenance Storage Building - Struct. Demo	27AUG07	30AUG07	4
BDADMN1105	TS-8 - Env. Monitor. Equip. Strg - Struct. Demo.	04SEP07	17SEP07	8
BDADMN1080	28L- Guard Post (N. Const Access Rd)-Struct Demo	08OCT07	08OCT07	1
BDTRLR1071	T97-FDF Office (CRU4)	10OCT07	15OCT07	4
BDTRLR1073	T100-FDF Office	22OCT07	25OCT07	4
BDTRLR1075	T108-IAWWTF	01NOV07	06NOV07	4
BDTRLR1076	T109-IAWWTF	07NOV07	13NOV07	4
BDTRLR1077	T117-CRU4 Construction Support Office	14NOV07	27NOV07	8
BDTRLR1070	T96-Radiation Control	16NOV07	29NOV07	8
BDTRLR1078	T118-CRU4 Support Office	28NOV07	07DEC07	8
BDTRLR1072	T98-OSDF	06DEC07	11DEC07	4
BDTRLR1079	T119-Restrooms	10DEC07	13DEC07	4
BDTRLR1080	T121-FDF Office	14DEC07	19DEC07	4
BDTRLR1081	T122-Storage	20DEC07	27DEC07	4
BDTRLR1083	T128-Mixed Waste	04JAN08	15JAN08	8
BDTRLR1086	T131-Breakroom	01FEB08	12FEB08	8
BDTRLR1088	T135-Boiler Maintenance	20FEB08	25FEB08	4
BDTRLR1091	T141-Maintenance Storage	19MAR08	25MAR08	4
BDTRLR1092	T142-Maintenance Storage	26MAR08	31MAR08	4
BDTRLR1101	T172-FCNDP	01APR08	10APR08	8
BDTRLR1102	T173-FCNDP	11APR08	22APR08	8



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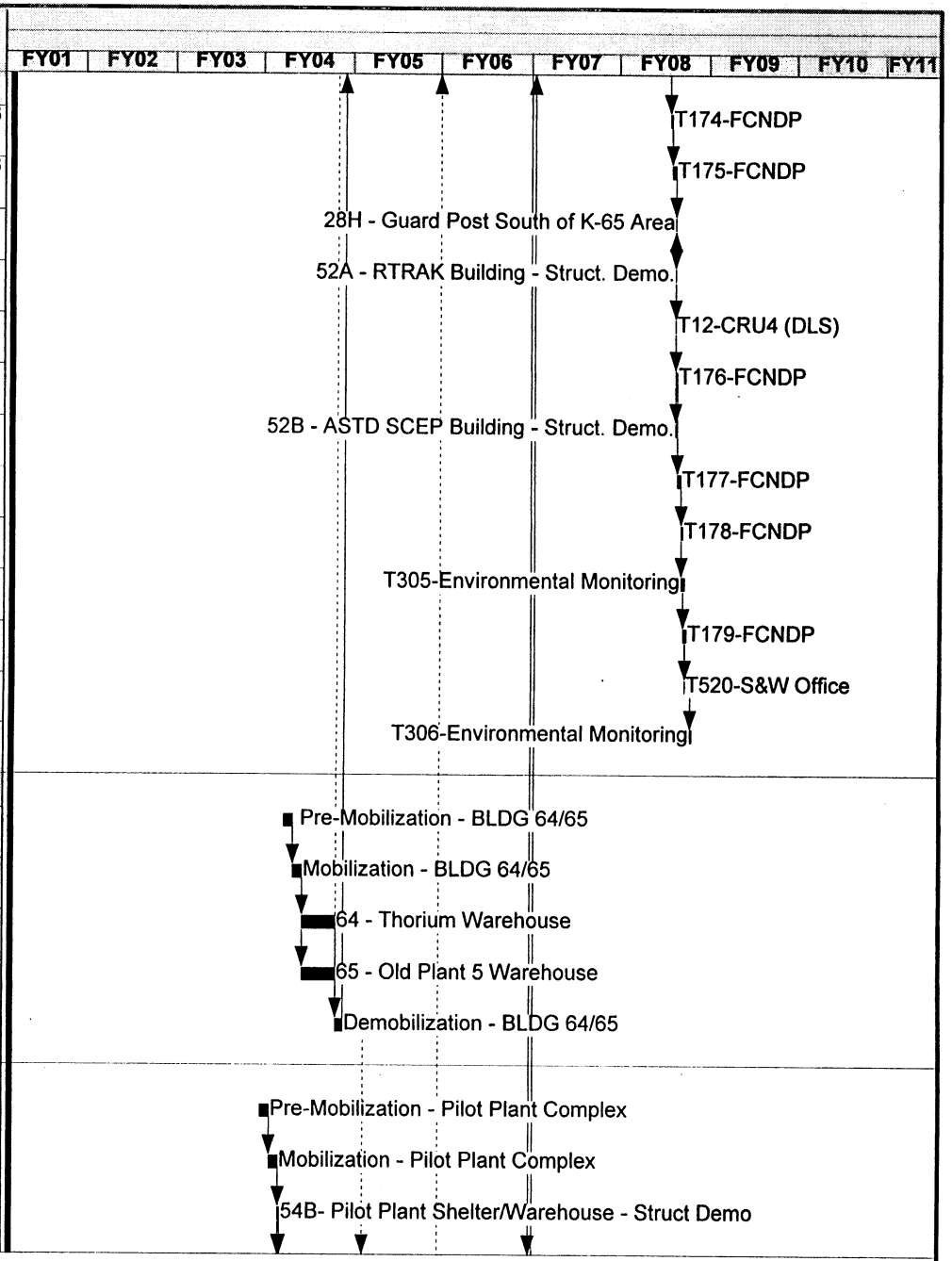
BFDDM D&D SUB - MISCELLANEOUS STRUCTURES				
BDTRLR1103	T174-FCNDP	23APR08	02MAY08	8
BDTRLR1104	T175-FCNDP	05MAY08	14MAY08	8
BDMSS10500	28H - Guard Post South of K-65 Area	14MAY08	14MAY08	1
BDADMN1095	52A - RTRAK Building - Struct. Demo.	14MAY08	15MAY08	2
BDTRLR1019	T12-CRU4 (DLS)	14MAY08	19MAY08	4
BDTRLR1105	T176-FCNDP	15MAY08	27MAY08	8
BDADMN1100	52B - ASTD SCEP Building - Struct. Demo.	19MAY08	20MAY08	2
BDTRLR1106	T177-FCNDP	28MAY08	06JUN08	8
BDTRLR1107	T178-FCNDP	09JUN08	18JUN08	8
BDTRLR1115	T305-Environmental Monitoring	12JUN08	23JUN08	8
BDTRLR1108	T179-FCNDP	19JUN08	30JUN08	8
BDTRLR1139	T520-S&W Office	24JUN08	27JUN08	4
BDTRLR1116	T306-Environmental Monitoring	18JUL08	23JUL08	4
BFDDN BUILDINGS 64 & 65				
BDMNTF0016	Pre-Mobilization - BLDG 64/65	31DEC03	04FEB04	20
BDMNTF0017	Mobilization - BLDG 64/65	05FEB04	11MAR04	20
BDMNTF0010	64 - Thorium Warehouse	15MAR04	28JUL04	77
BDMNTF0015	65 - Old Plant 5 Warehouse	15MAR04	28JUL04	77
BDMNTF0018	Demobilization - BLDG 64/65	29JUL04	01SEP04	20
BFDDP D&D SUB - PILOT PLANT COMPLEX				
BDPPCX1005	Pre-Mobilization - Pilot Plant Complex	01OCT03	04NOV03	20
BDPPCX1008	Mobilization - Pilot Plant Complex	05NOV03	11DEC03	20
BDPPCX1200	54B- Pilot Plant Shelter/Warehouse - Struct Demo	15DEC03	18DEC03	4



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Start Date	01DEC00
Finish Date	11DEC08
Data Date	01DEC00
Run Date	10SEP01 15:25

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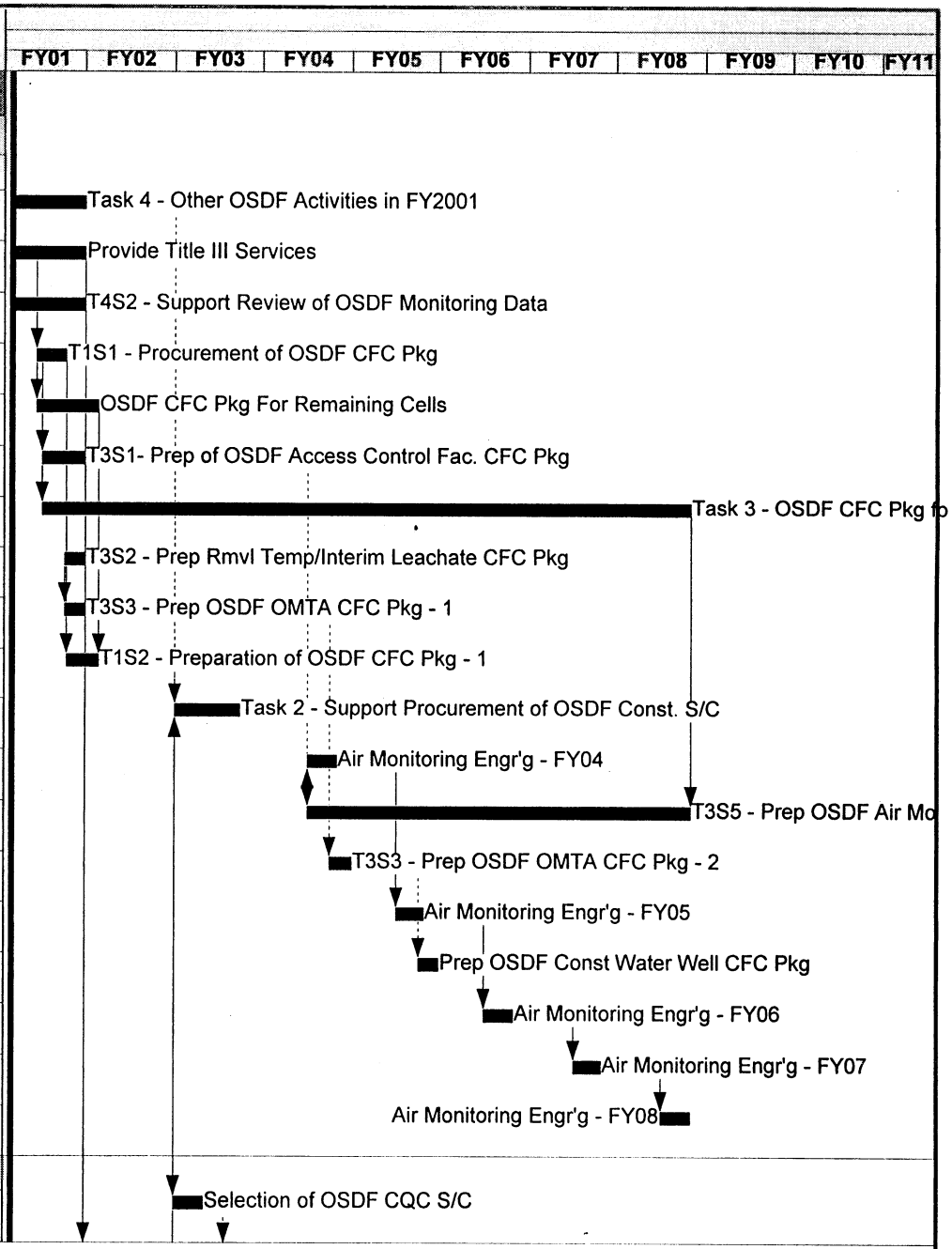
FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
C PBS 03 - ON-SITE DISPOSAL FACILITY				
1.1.C.B ENGINEERING				
CAEN1 OSDF DESIGN - EXCLUDING FINAL CELL				
CCAEN10120	Task 4 - Other OSDF Activities in FY2001	01DEC00	27SEP01	186
CCAEN10130	Provide Title III Services	01DEC00	27SEP01	186
CCAEN10140	T4S2 - Support Review of OSDF Monitoring Data	01DEC00	27SEP01	186
CCAEN10020	T1S1 - Procurement of OSDF CFC Pkg	15MAR01	09JUL01	71
CCAEN10010	OSDF CFC Pkg For Remaining Cells	15MAR01	19NOV01	155
CCAEN10060	T3S1- Prep of OSDF Access Control Fac. CFC Pkg	02APR01	27SEP01	113
CCAEN10050	Task 3 - OSDF CFC Pkg for Infrastructure Const.	02APR01	31JUL08	1,643
CCAEN10070	T3S2 - Prep Rmvl Temp/Interim Leachate CFC Pkg	02JUL01*	27SEP01	56
CCAEN10075	T3S3 - Prep OSDF OMTA CFC Pkg - 1	02JUL01	27SEP01	56
CCAEN10030	T1S2 - Preparation of OSDF CFC Pkg - 1	10JUL01	19NOV01	84
CCAEN10040	Task 2 - Support Procurement of OSDF Const. S/C	01OCT02	30JUN03	167
CCAEN10111	Air Monitoring Engr'g - FY04	01APR04	29JUL04	75
CCAEN10110	T3S5 - Prep OSDF Air Monitoring CFC Pkg	01APR04*	31JUL08	971
CCAEN10080	T3S3 - Prep OSDF OMTA CFC Pkg - 2	01JUL04*	30SEP04	57
CCAEN10112	Air Monitoring Engr'g - FY05	01APR05	28JUL05	75
CCAEN10100	Prep OSDF Const Water Well CFC Pkg	05JUL05*	30SEP05	57
CCAEN10113	Air Monitoring Engr'g - FY06	03APR06	31JUL06	74
CCAEN10114	Air Monitoring Engr'g - FY07	02APR07	31JUL07	75
CCAEN10115	Air Monitoring Engr'g - FY08	01APR08	29JUL08	75
CAEN5 OSDF CQC SERVICES				
CCAEN50010	Selection of OSDF CQC S/C	01OCT02	31JAN03	83



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Start Date	01DEC00
Finish Date	27DEC09
Data Date	01DEC00
Run Date	10SEP01 15:37

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Sheet 1 of 3

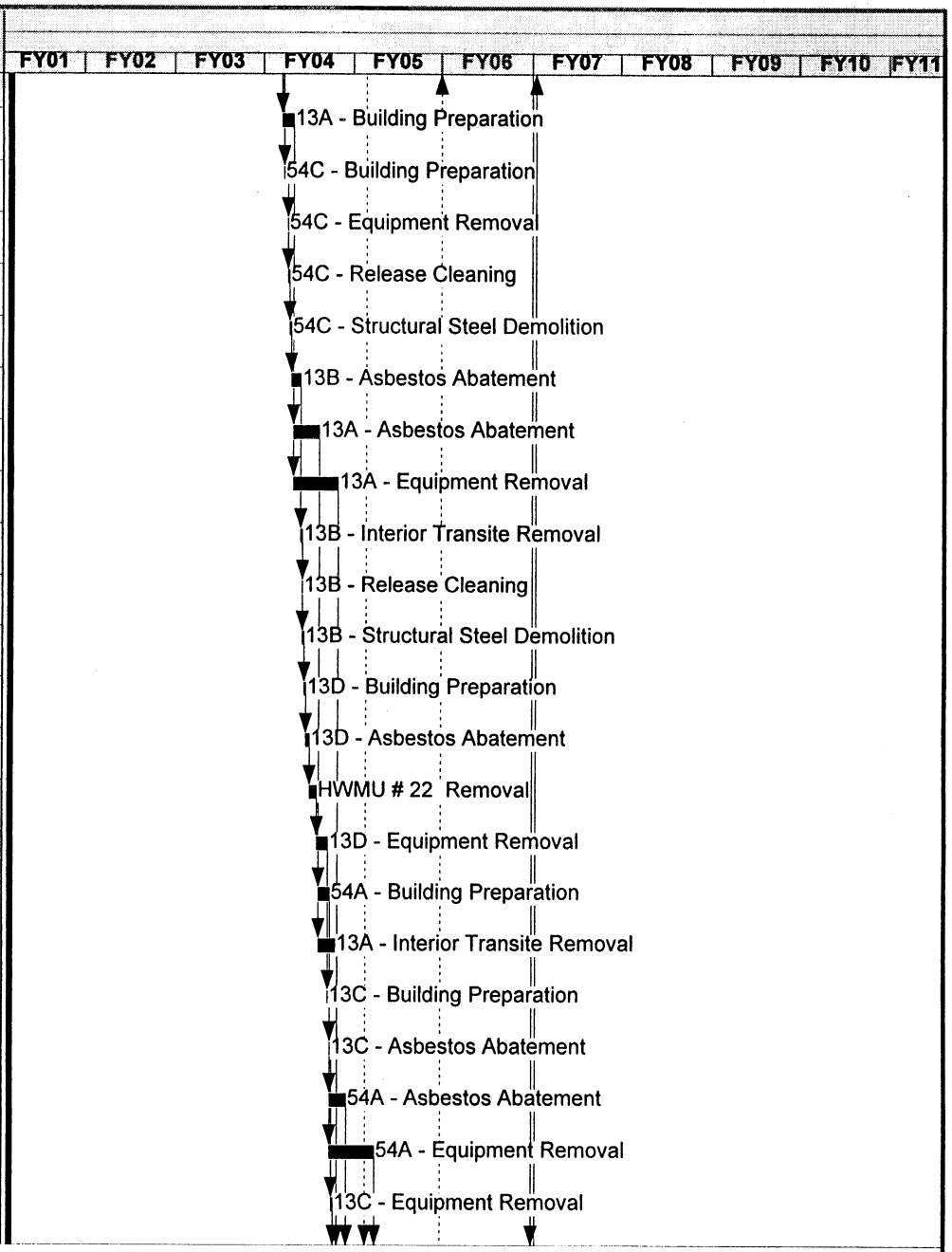
ON-SITE DISPOSAL FACILITY

1.1.C.B ENGINEERING

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	R1-F03-010		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDP D&D SUB - PILOT PLANT COMPLEX				
BDPPCX1010	13A - Building Preparation	15DEC03	28JAN04	24
BDPPCX1310	54C - Building Preparation	22DEC03	23DEC03	2
BDPPCX1330	54C - Equipment Removal	06JAN04	07JAN04	2
BDPPCX1350	54C - Release Cleaning	08JAN04	12JAN04	2
BDPPCX1370	54C - Structural Steel Demolition	13JAN04	19JAN04	4
BDPPCX1420	13B - Asbestos Abatement	20JAN04	02MAR04	24
BDPPCX1020	13A - Asbestos Abatement	29JAN04	13MAY04	60
BDPPCX1030	13A - Equipment Removal	29JAN04	03AUG04	104
BDPPCX1440	13B - Interior Transite Removal	03MAR04	04MAR04	2
BDPPCX1450	13B - Release Cleaning	08MAR04	08MAR04	1
BDPPCX1470	13B - Structural Steel Demolition	09MAR04	15MAR04	4
BDPPCX1510	13D - Building Preparation	16MAR04	22MAR04	4
BDPPCX1520	13D - Asbestos Abatement	23MAR04	05APR04	8
BDPPCX1525	HWMU # 22 Removal	06APR04	10MAY04	20
BDPPCX1530	13D - Equipment Removal	11MAY04	22JUN04	24
BDPPCX1710	54A - Building Preparation	17MAY04	28JUN04	24
BDPPCX1040	13A - Interior Transite Removal	17MAY04	27JUL04	40
BDPPCX1110	13C - Building Preparation	23JUN04	24JUN04	2
BDPPCX1120	13C - Asbestos Abatement	28JUN04	01JUL04	4
BDPPCX1720	54A - Asbestos Abatement	29JUN04	08SEP04	40
BDPPCX1730	54A - Equipment Removal	29JUN04	04JAN05	104
BDPPCX1130	13C - Equipment Removal	06JUL04	12JUL04	4



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Start Date	01DEC00
Finish Date	11DEC08
Data Date	01DEC00
Run Date	10SEP01 15:25

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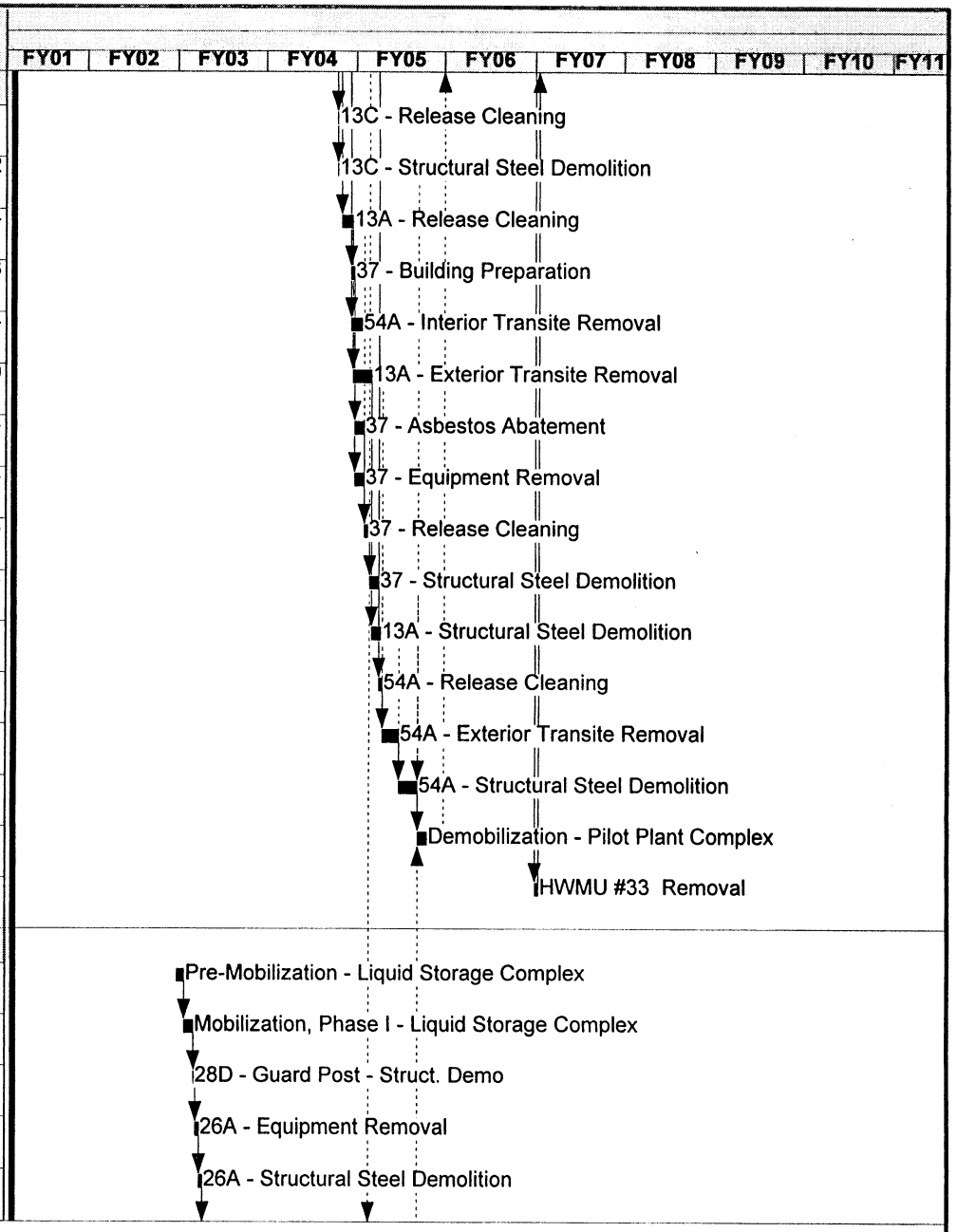
FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDP D&D SUB - PILOT PLANT COMPLEX				
BDPPCX1150	13C - Release Cleaning	13JUL04	13JUL04	1
BDPPCX1170	13C - Structural Steel Demolition	14JUL04	15JUL04	2
BDPPCX1050	13A - Release Cleaning	04AUG04	15SEP04	24
BDPPCX1610	37 - Building Preparation	09SEP04	22SEP04	8
BDPPCX1740	54A - Interior Transite Removal	09SEP04	20OCT04	24
BDPPCX1060	13A - Exterior Transite Removal	16SEP04	29NOV04	40
BDPPCX1620	37 - Asbestos Abatement	23SEP04	03NOV04	24
BDPPCX1630	37 - Equipment Removal	23SEP04	03NOV04	24
BDPPCX1650	37 - Release Cleaning	04NOV04	18NOV04	8
BDPPCX1670	37 - Structural Steel Demolition	22NOV04	04JAN05	24
BDPPCX1070	13A - Structural Steel Demolition	30NOV04	11JAN05	24
BDPPCX1750	54A - Release Cleaning	05JAN05	18JAN05	8
BDPPCX1760	54A - Exterior Transite Removal	19JAN05	30MAR05	40
BDPPCX1770	54A - Structural Steel Demolition	31MAR05	09JUN05	40
BDPPCX1011	Demobilization - Pilot Plant Complex	13JUN05	18JUL05	20
BDPPCX1915	HWMU #33 Removal	02OCT06	17OCT06	10
BFDDQ D&D SUB - LIQUID STORAGE COMPLEX				
BDLQS71005	Pre-Mobilization - Liquid Storage Complex	01OCT02	04NOV02	20
BDLQS71008	Mobilization, Phase I - Liquid Storage Complex	05NOV02	11DEC02	20
BDADMN1038	28D - Guard Post - Struct. Demo	12DEC02*	12DEC02	1
BDLQS71730	26A - Equipment Removal	16DEC02	31DEC02	8
BDLQS71770	26A - Structural Steel Demolition	02JAN03	15JAN03	8



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Start Date	01DEC00
Finish Date	11DEC08
Data Date	01DEC00
Run Date	10SEP01 15:25

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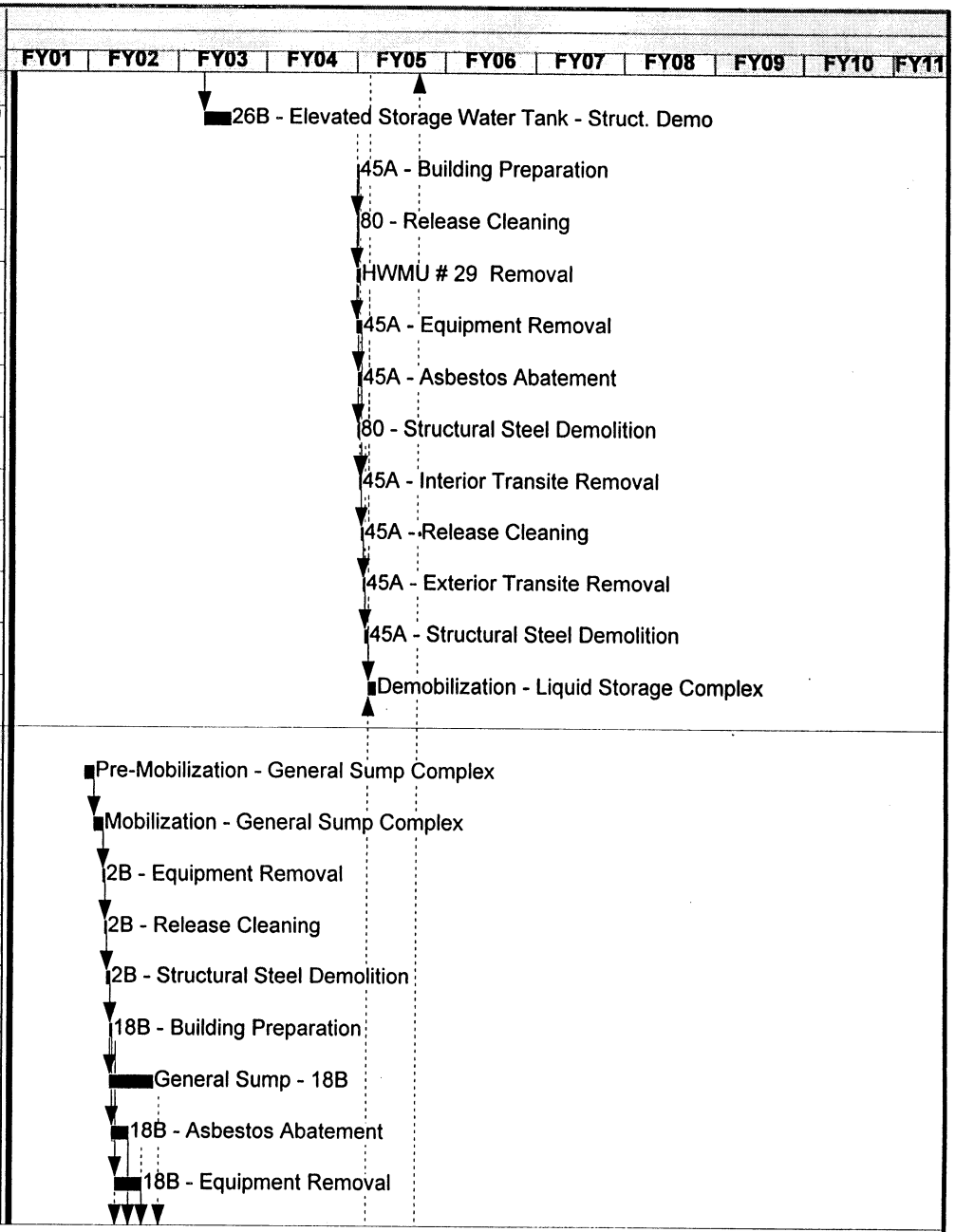
FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
Progress Bar
Critical Activity

Date	Revision	hecked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDQ D&D SUB - LIQUID STORAGE COMPLEX				
BDLQS71800	26B - Elevated Storage Water Tank - Struct. Demo	16JAN03	01MAY03	60
BDLQS72110	45A - Building Preparation	04OCT04*	06OCT04	3
BDLQS72050	80 - Release Cleaning	04OCT04	07OCT04	4
BDLQS72005	HWMU # 29 Removal	04OCT04	14OCT04	8
BDLQS72130	45A - Equipment Removal	04OCT04	25OCT04	13
BDLQS72120	45A - Asbestos Abatement	07OCT04	25OCT04	10
BDLQS72070	80 - Structural Steel Demolition	11OCT04	14OCT04	4
BDLQS72140	45A - Interior Transite Removal	19OCT04	25OCT04	4
BDLQS72150	45A - Release Cleaning	26OCT04	01NOV04	4
BDLQS72160	45A - Exterior Transite Removal	02NOV04	08NOV04	4
BDLQS72170	45A - Structural Steel Demolition	09NOV04	23NOV04	8
BDLQS79000	Demobilization - Liquid Storage Complex	24NOV04	22DEC04	16
BFDDS D&D SUB - GENERAL SUMP COMPLEX				
BDGSPC1005	Pre-Mobilization - General Sump Complex	01OCT01*	01NOV01	20
BDGSPC1008	Mobilization - General Sump Complex	05NOV01	11DEC01	20
BDGSPC1030	2B - Equipment Removal	12DEC01	18DEC01	4
BDGSPC1050	2B - Release Cleaning	19DEC01	27DEC01	4
BDGSPC1070	2B - Structural Steel Demolition	31DEC01	14JAN02	8
BDGSPC1110	18B - Building Preparation	15JAN02	21JAN02	4
BDGSPC1100	General Sump - 18B	15JAN02	11JUL02	100
BDGSPC1120	18B - Asbestos Abatement	22JAN02	02APR02	40
BDGSPC1130	18B - Equipment Removal	05FEB02	21MAY02	60



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Start Date	01DEC00
Finish Date	11DEC08
Data Date	01DEC00
Run Date	10SEP01 15:25

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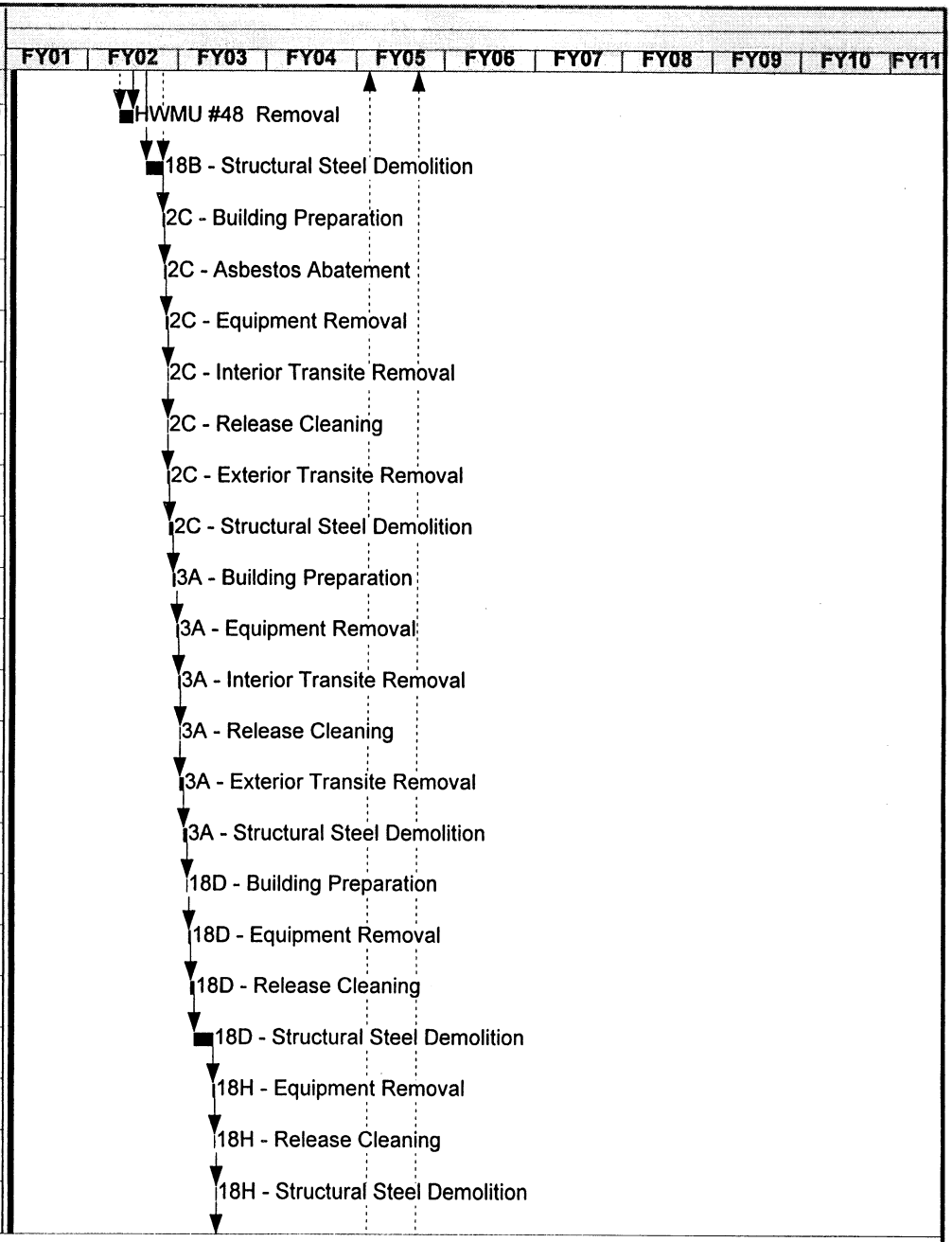
FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDS D&D SUB - GENERAL SUMP COMPLEX				
BDGSPC1125	HWMU #48 Removal	07FEB02	02APR02	30
BDGSPC1170	18B - Structural Steel Demolition	22MAY02	01AUG02	40
BDGSPC1210	2C - Building Preparation	05AUG02	06AUG02	2
BDGSPC1220	2C - Asbestos Abatement	07AUG02	13AUG02	4
BDGSPC1230	2C - Equipment Removal	14AUG02	20AUG02	4
BDGSPC1240	2C - Interior Transite Removal	21AUG02	22AUG02	2
BDGSPC1250	2C - Release Cleaning	26AUG02	27AUG02	2
BDGSPC1260	2C - Exterior Transite Removal	28AUG02	04SEP02	4
BDGSPC1270	2C - Structural Steel Demolition	05SEP02	18SEP02	8
BDGSPC1310	3A - Building Preparation	19SEP02	23SEP02	2
BDGSPC1330	3A - Equipment Removal	01OCT02	07OCT02	4
BDGSPC1340	3A - Interior Transite Removal	08OCT02	14OCT02	4
BDGSPC1350	3A - Release Cleaning	15OCT02	16OCT02	2
BDGSPC1360	3A - Exterior Transite Removal	17OCT02	30OCT02	8
BDGSPC1370	3A - Structural Steel Demolition	31OCT02	14NOV02	8
BDGSPC1410	18D - Building Preparation	18NOV02	18NOV02	1
BDGSPC1430	18D - Equipment Removal	26NOV02	03DEC02	4
BDGSPC1450	18D - Release Cleaning	04DEC02	17DEC02	8
BDGSPC1470	18D - Structural Steel Demolition	18DEC02	04MAR03	40
BDGSPC1530	18H - Equipment Removal	05MAR03	11MAR03	4
BDGSPC1550	18H - Release Cleaning	12MAR03	13MAR03	2
BDGSPC1570	18H - Structural Steel Demolition	17MAR03	20MAR03	4



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Start Date	01DEC00
Finish Date	11DEC08
Data Date	01DEC00
Run Date	10SEP01 15:25

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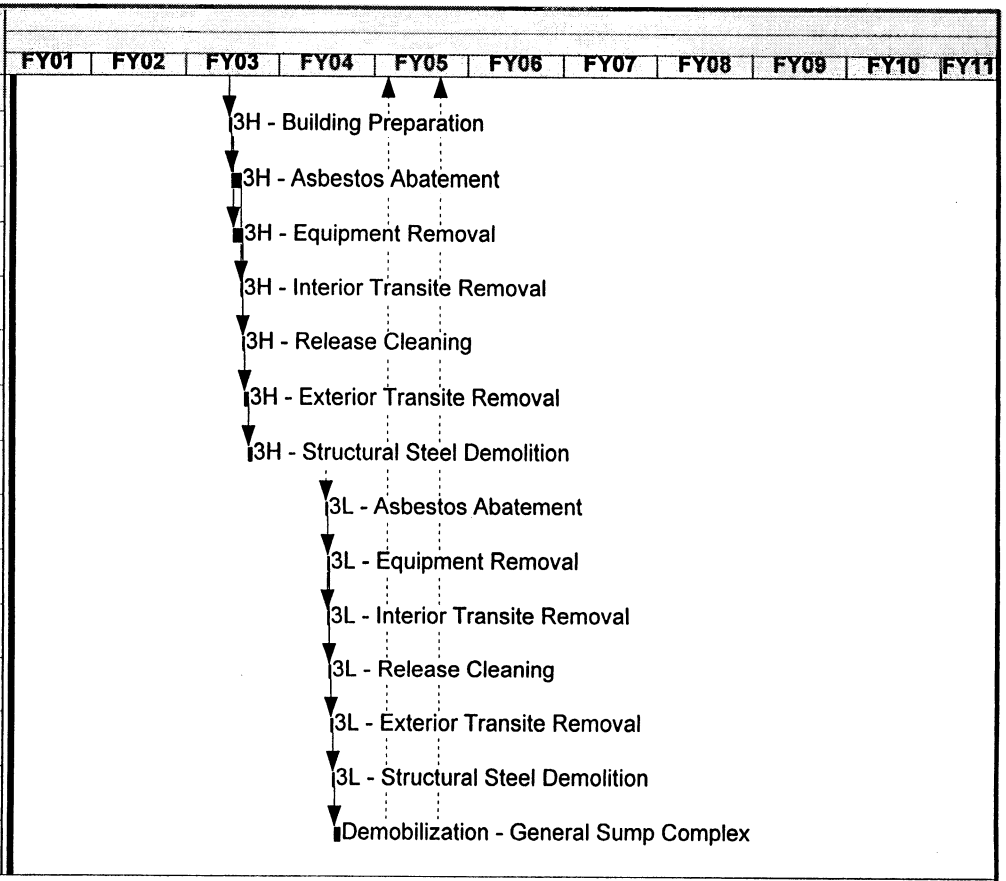
FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
BFDDS D&D SUB - GENERAL SUMP COMPLEX				
BDGSPC1610	3H - Building Preparation	24MAR03	25MAR03	2
BDGSPC1620	3H - Asbestos Abatement	26MAR03	06MAY03	24
BDGSPC1630	3H - Equipment Removal	02APR03	13MAY03	24
BDGSPC1640	3H - Interior Transite Removal	07MAY03	13MAY03	4
BDGSPC1650	3H - Release Cleaning	14MAY03	20MAY03	4
BDGSPC1660	3H - Exterior Transite Removal	21MAY03	04JUN03	8
BDGSPC1670	3H - Structural Steel Demolition	05JUN03	18JUN03	8
BDGSPC1720	3L - Asbestos Abatement	01APR04*	07APR04	4
BDGSPC1730	3L - Equipment Removal	08APR04	14APR04	4
BDGSPC1740	3L - Interior Transite Removal	08APR04	14APR04	4
BDGSPC1750	3L - Release Cleaning	15APR04	19APR04	2
BDGSPC1760	3L - Exterior Transite Removal	20APR04	03MAY04	8
BDGSPC1770	3L - Structural Steel Demolition	04MAY04	10MAY04	4
BDGSPC1900	Demobilization - General Sump Complex	11MAY04	27MAY04	11



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Finish Date	11DEC08
Data Date	01DEC00
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FACILITY D&D

1.1.B.C D&D PROJECTS

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	D-257		
	D-436		
	D-438		
	D-705 & 861		
	R1-F02-029		
	R1-F02-043 & 47		

SECTION 1

3.0 ESTIMATE

BFDD1

PLANT 1 PHASE II COMPLEX D&D

09/07/2001
10:25 AM

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDD1 PLANT 1 PHASE II COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: FIELDSUB **FIELD SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	6,270.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	6,270.0	6,270.0	6,270.0	6,270.0	6,270.0
Yr Total Cost:	0	0	0	0	0	7,191	0	0	0	0
Cum Total Cost:	0	0	0	0	0	7,191	7,191	7,191	7,191	7,191

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	4,953,658.5	46,341.5	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	4,953,658.5	5,000,000.0	5,000,000.0	5,000,000.0	5,000,000.0
Yr Total Cost:	0	0	0	0	0	4,953,659	46,341	0	0	0
Cum Total Cost:	0	0	0	0	0	4,953,659	5,000,000	5,000,000	5,000,000	5,000,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	0	0	0	4,960,850	46,341	0	0	0
Cum Total Cost:	0	0	0	0	0	4,960,850	5,007,191	5,007,191	5,007,191	5,007,191

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDD

Demolition Closure Project
Price Evaluation Summary Sheet

TASK 1 – Plant 2, Plant 3, Plant 8, and General Sump

CONTRACT VALUE OF TASK 1
10,000,000

Item #	Component	% of value	$ value	
	Plant 2			40%
1	Building 2A		$0	
1	Building 2A –Digestion	30.00%	$1,200,000	
1	Building 2A – Extraction	23.00%	$920,000	
1	Building 2A – Denitration	20.00%	$800,000	
2	Building 2D	10.00%	$400,000	
3	Component 2F	5.00%	$200,000	
4	Component 2H	5.00%	$200,000	
	premob	1.00%	$40,000	
	mob	4.00%	$160,000	
	demob	2.00%	$80,000	
		100.00%		$4,000,000
	Plant 3			
5	Building 3B	actual		15%
6	Building 3C	actual		
7	Building 3D	20.00%	$300,000	
8	Building 3E	20.00%	$300,000	
9	Component 3J	20.00%	$300,000	
10	Component 3K	10.00%	$150,000	
11	Component 22E	10.00%	$150,000	
12	Building 39A	20.00%	$300,000	
	premob	actual		
	mob + T95 & T130	actual		
	demob	actual		
		100.00%		$1,500,000
	Plant 8			
13	Building 8A	33.00%	$990,000	30%
14	Building 8B	6.00%	$180,000	
15	Building 8C	20.00%	$600,000	
16	Building 8D	2.00%	$60,000	
17	Building 8E	2.00%	$60,000	
18	Component 8G	20.00%	$600,000	
19	Component 8H	10.00%	$300,000	
	premob	1.00%	$30,000	
	mob	4.00%	$120,000	
	demob	2.00%	$60,000	
		100.00%		$3,000,000
	General Sump			
21	Building 2B	10.00%	$150,000	15%
22	Building 2C	10.00%	$150,000	]
23	Building 3A	10.00%	$150,000	
24	Building 3H	10.00%	$150,000	
25	Building 3L	15.00%	$225,000	
26	Building 18B	10.00%	$150,000	
27	Building 18D	20.00%	$300,000	
	Building 18H	8.00%	$120,000	

	premob		1.00%		$15,000		
	mob		4.00%		$60,000		
	demob		2.00%		$30,000		
			100.00%				$1,500,000
29					$0		
			800.00%		$10,000,000		$10,000,000

TASK 1A – Building 53A

CONTRACT VALUE OF TASK 1A

Item #	Component		% of value		$ value		$2,000,000
44	Building 53A		93.00%		$1,860,000		
	premob		1.00%		$20,000		
	mob		4.00%		$80,000		
	demob		2.00%		$40,000		
			100.00%		$2,000,000		

TASK TOTAL

TASK 2 – Liquid Storage

CONTRACT VALUE OF TASK 2

Item #	Component		% of value		$ value		$2,000,000
					$0		
30	Building 20G		10.00%		$200,000		
31	Building 22D		5.00%		$100,000		
32	Building 26A		10.00%		$200,000		
33	Building 26B		33.00%		$660,000		
	Building 28D		10.00%		$200,000		
	Building 80		10.00%		$200,000		
34	Building 45A		15.00%		$300,000		
	premob		1.00%		$20,000		
	mob		4.00%		$80,000		
	demob		2.00%		$40,000		
			100.00%		$2,000,000		

TASK TOTAL

TASK 3 – Pilot Plant

CONTRACT VALUE OF TASK 3

Item #	Component		% of value		$ value		$6,000,000
35	Building 13A		25.00%		$1,500,000		
36	Building 13B		3.00%		$180,000		
37	Building 13C		3.00%		$180,000		
38	Building 13D		3.00%		$180,000		
39	Building 37		25.00%		$1,500,000		
40	Building 54A		23.00%		$1,380,000		
41	Building 54B		3.00%		$180,000		
42	Building 54C		3.00%		$180,000		
	premob		1.00%		$60,000		
	mob + T94 & T131		9.00%		$540,000		
	demob		2.00%		$120,000		
43							

			100.00%		$6,000,000		

TASK TOTAL

TASK 4 – Building 64&65

CONTRACT VALUE OF TASK 4 $1,200,000

Item #	Component		% of value		$ value		
44	Building 64		47.00%		$564,000		
45	Building 65		46.00%		$552,000		
	premob		1.00%		$12,000		
	mob		4.00%		$48,000		
	demob		2.00%		$24,000		
			100.00%		$1,200,000		

TASK TOTAL

TASK 5 – Administration Buildings Complex

CONTRACT VALUE OF TASK 5 $4,500,000

Item #	Component		% of value		$ value		
46	Building 11		25.00%		$1,125,000		
47	Building 14A		23.00%		$1,035,000		
48	Building 22B		5.00%		$225,000		
49	Building 20K		5.00%		$225,000		
	Building 31		12.00%		$540,000		
	Building 46		13.00%		$585,000		
51	Building 53B		5.00%		$225,000		
	premob		1.00%		$45,000		
	mob + T95 &T130		9.00%		$405,000		
	demob		2.00%		$90,000		
			100.00%		$4,500,000		

TASK TOTAL

TASK 6 – Laboratory Complex (15A and 15C)

CONTRACT VALUE OF TASK 6 $250,000

Item #	Component		% of value		$ value		
52	Building 15A		88.00%		$220,000		
53	Building 15B		0.00%		$0		
54	Building 15C		5.00%		$12,500		
	premob		1.00%		$2,500		
	mob		4.00%		$10,000		
	demob		2.00%		$5,000		
			100.00%		$250,000		

TASK 1B – Laboratory Complex (15B)

CONTRACT VALUE OF TASK 1B $18,800,000

Item #	Component		% of value		$ value		
52	Building 15A		0.00%		$0		
53	Building 15B		100.00%		$18,800,000		
54	Building 15C		0.00%		$0		
			100.00%		$18,800,000		

TASK TOTAL

TASK 7 – Warehouse Complex and Pipe Bridges

CONTRACT VALUE OF TASK 7

			% of value		$ value		$250,000
Item #	Component						
55	Building 20D		33.00%		$82,500		
56	Building 77		10.00%		$25,000		
57	Building 79		10.00%		$25,000		
58	Building 82A		15.00%		$37,500		
61	Building 5F Preparation		5.00%		$12,500		
62	Exterior Pipe Bridge and Associated Piping, conduit and		20.00%		$50,000		
	premob		1.00%		$2,500		
	mob		4.00%		$10,000		
	demob		2.00%		$5,000		
			100.00%		$250,000		

TASK TOTAL

TASK 8 – Plant 1 Phase II

CONTRACT VALUE OF TASK 8

			% of value		$ value		$5,000,000
Item #	Component						
63	Building 1B		5.00%		$250,000		
64	Building 20A		20.00%		$1,000,000		
65	Building 30A		10.00%		$500,000		
66	Building 56A		13.00%		$650,000		
70	Building 71		15.00%		$750,000		
71	Component TS-04		10.00%		$500,000		
72	Component TS-05		10.00%		$500,000		
73	Component TS-06		10.00%		$500,000		
	premob		1.00%		$50,000		
	mob		4.00%		$200,000		
	demob		2.00%		$100,000		
			100.00%		$5,000,000		

TASK TOTAL

TASK 9 – Building 68

CONTRACT VALUE OF TASK 9

			% of value		$ value		$5,400,000
Item #	Component						
75	Building 68		93.00%		$5,022,000		
	premob		1.00%		$54,000		
	mob		4.00%		$216,000		
	demob		2.00%		$108,000		
			100.00%		$5,400,000		

TASK 10 – Demobilization

CONTRACT VALUE OF TASK 10

			% of value		$ value		$750,000
Item #	Component						
76	Demobilization and Contract Closeout		100.00%		$750,000		
			100.00%		$750,000		

Demobilization totals $412,000

Total $56,150,000 $56,150,000

BFDD2

PLANT 2 COMPLEX D&D

09/07/2001
10:27 AM

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDD2 PLANT 2 COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

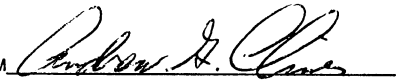
DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	2,013,678.8	1,260,794.5	725,526.8	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	2,013,678.8	3,274,473.3	4,000,000.1	4,000,000.1	4,000,000.1	4,000,000.1	4,000,000.1	4,000,000.1	4,000,000.1
Yr Total Cost:	0	2,013,679	1,260,794	725,527	0	0	0	0	0	0
Cum Total Cost:	0	2,013,679	3,274,473	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	2,013,679	1,260,794	725,527	0	0	0	0	0	0
Cum Total Cost:	0	2,013,679	3,274,473	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000

CAM CONTROL TEAM 

INCLUDES ESCALATION COSTS

BFDD3

PLANT 3 COMPLEX D&D

09/07/2001
10:27 AM

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDD3 PLANT 3 COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

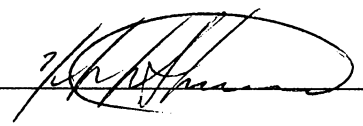
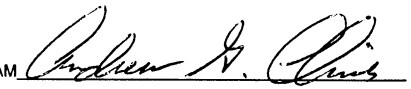
DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	903,198.0	1,324,000.0	176,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	903,198.0	2,227,198.0	2,403,198.0	2,403,198.0	2,403,198.0	2,403,198.0	2,403,198.0	2,403,198.0	2,403,198.0	2,403,198.0
Yr Total Cost:	903,198	1,324,000	176,000	0	0	0	0	0	0	0
Cum Total Cost:	903,198	2,227,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	903,198	1,324,000	176,000	0	0	0	0	0	0	0
Cum Total Cost:	903,198	2,227,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198	2,403,198

CAM  CONTROL TEAM 

INCLUDES ESCALATION COSTS

BFDD5

PLANT 5 COMPLEX D&D

09/07/2001
10:28 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDD5 PLANT 5 COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	2,079,753.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0	2,079,753.0
Yr Total Cost:	2,079,753	0	0	0	0	0	0	0	0	0
Cum Total Cost:	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	2,079,753	0	0	0	0	0	0	0	0	0
Cum Total Cost:	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753	2,079,753

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDD6

PLANT 6 COMPLEX D&D

09/07/2001
10:31 AM

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDD6 PLANT 6 COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

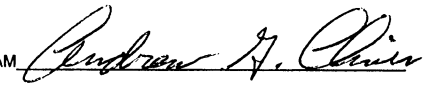
DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	3,567,887.6	1,344,421.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	3,567,887.6	4,912,309.1	4,912,309.1	4,912,309.1	4,912,309.1	4,912,309.1	4,912,309.1	4,912,309.1	4,912,309.1	4,912,309.1
Yr Total Cost:	3,567,888	1,344,421	0	0	0	0	0	0	0	0
Cum Total Cost:	3,567,888	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	3,567,888	1,344,421	0	0	0	0	0	0	0	0
Cum Total Cost:	3,567,888	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309	4,912,309

CAM CONTROL TEAM 

INCLUDES ESCALATION COSTS

BFDD8

PLANT 8 COMPLEX D&D

09/07/2001
10:31 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDD8 PLANT 8 COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	2,221,038.6	778,961.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	2,221,038.6	3,000,000.0	3,000,000.0	3,000,000.0	3,000,000.0	3,000,000.0	3,000,000.0	3,000,000.0	3,000,000.0
Yr Total Cost:	0	2,221,039	778,961	0	0	0	0	0	0	0
Cum Total Cost:	0	2,221,039	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	2,221,039	778,961	0	0	0	0	0	0	0
Cum Total Cost:	0	2,221,039	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDA

ADMINISTRATION COMPLEX D&D

09/07/2001
10:35 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDA ADMINISTRATION COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	3,062,825.4	1,212,174.6	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	3,062,825.4	4,274,999.9	4,274,999.9	4,274,999.9	4,274,999.9	4,274,999.9
Yr Total Cost:	0	0	0	0	3,062,825	1,212,175	0	0	0	0
Cum Total Cost:	0	0	0	0	3,062,825	4,275,000	4,275,000	4,275,000	4,275,000	4,275,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	0	0	3,062,825	1,212,175	0	0	0	0
Cum Total Cost:	0	0	0	0	3,062,825	4,275,000	4,275,000	4,275,000	4,275,000	4,275,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDB

LABORATORY COMPLEX D&D

09/07/2001
10:36 AM

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDB LABORATORY COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	19,046,190.5	3,809.5	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	19,046,190.5	19,050,000.0	19,050,000.0	19,050,000.0	19,050,000.0	19,050,000.0
Yr Total Cost:	0	0	0	0	19,046,190	3,810	0	0	0	0
Cum Total Cost:	0	0	0	0	19,046,190	19,050,000	19,050,000	19,050,000	19,050,000	19,050,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	0	0	19,046,190	3,810	0	0	0	0
Cum Total Cost:	0	0	0	0	19,046,190	19,050,000	19,050,000	19,050,000	19,050,000	19,050,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDE

EAST WAREHOUSE COMPLEX D&D

09/07/2001
10:37 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDE EAST WAREHOUSE COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	187,500.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	187,500.0	187,500.0	187,500.0	187,500.0	187,500.0
Yr Total Cost:	0	0	0	0	0	187,500	0	0	0	0
Cum Total Cost:	0	0	0	0	0	187,500	187,500	187,500	187,500	187,500

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	0	0	0	187,500	0	0	0	0
Cum Total Cost:	0	0	0	0	0	187,500	187,500	187,500	187,500	187,500

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDH

HEALTH & SAFETY BLDG D&D

09/07/2001
10:39 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDH HEALTH & SAFETY BLDG D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	2,000,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	2,000,000.0	2,000,000.0	2,000,000.0	2,000,000.0	2,000,000.0	2,000,000.0	2,000,000.0	2,000,000.0	2,000,000.0
Yr Total Cost:	0	2,000,000	0	0	0	0	0	0	0	0
Cum Total Cost:	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	2,000,000	0	0	0	0	0	0	0	0
Cum Total Cost:	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDM

MISCELLANEOUS STRUCTURES D&D

09/07/2001
10:42 AM

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDM MISCELLANEOUS STRUCTURES D&D
COMMENT NO: D-213, D-216, D-223, D-257, D-705, D-706, D-861, F02-027, F02-029, F02-043, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: FIELDSUB **FIELD SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	54,810.0	0.0	0.0	21,456.0	595,434.0	1,580,104.0	707,404.0	343,980.0	0.0	0.0
Cum Units:	54,810.0	54,810.0	54,810.0	76,266.0	671,700.0	2,251,804.0	2,959,208.0	3,303,188.0	3,303,188.0	3,303,188.0
Yr Total Cost:	54,810	0	0	23,264	663,683	1,812,292	834,883	417,740	0	0
Cum Total Cost:	54,810	54,810	54,810	78,074	741,757	2,554,049	3,388,931	3,806,672	3,806,672	3,806,672

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	150,000.0	150,000.0	37,500.0	233,377.7	16,622.3	6,150,000.0	0.0	0.0	0.0
Cum Units:	0.0	150,000.0	300,000.0	337,500.0	570,877.6	587,500.0	6,737,500.0	6,737,500.0	6,737,500.0	6,737,500.0
Yr Total Cost:	0	150,000	150,000	37,500	233,378	16,622	6,150,000	0	0	0
Cum Total Cost:	0	150,000	300,000	337,500	570,878	587,500	6,737,500	6,737,500	6,737,500	6,737,500

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	54,810	150,000	150,000	60,764	897,061	1,828,914	6,984,883	417,740	0	0
Cum Total Cost:	54,810	204,810	354,810	415,574	1,312,635	3,141,549	10,126,431	10,544,172	10,544,172	10,544,172

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

FLUOR FERNALD, INC.
PROJECTS CONTROLS
ESTIMATING SERVICES

May 12, 2001

PROJECT DESCRIPTION: D&D Miscellaneous Structures
WBS NUMBER: ~~1.1.B.6~~ 1.1.B.C
PROJECT ENGINEER: M. Stevens
ESTIMATOR: Ed Lumbert
ESTIMATE NUMBER: C3-2001-05-015

BASIS OF ESTIMATE

SUPPORTING DOCUMENTATION:

Verbal Scope	☐	P & ID's	☐	Work Plan	☐
Drawings	☒	Equipment List	☐	Site Walk	☒
Sketches	☐	Specifications	☐	Eng. Mtg.	☐
Flow Diagrams	☐	Written Scope	☒	Estimate	☐

TYPE OF ESTIMATE:

Change Proposal	☐	Government	☐
Plan/Feasibility	☐	Conceptual	☐
Construction	☐	Title I Design	☐
Budget	☒	Independent	☐

BASIS OF ESTIMATE:

Prepare a Control Estimate to determine the cost to D&D Miscellaneous Structures. Estimate to include labor, material, equipment and subcontract to demolish the complex from start (01/Oct/04) to finish (28/Sept/08). Based on the one contractor concept.

Scope to include:
Reference Attachment "E"

FLUOR FERNALD, INC.
PROJECTS CONTROLS
ESTIMATING SERVICES

May 12, 2001

PROJECT DESCRIPTION: D&D Miscellaneous Structures
WBS NUMBER: ~~1.1.B.10.B~~ 1.1.B.C
PROJECT ENGINEER: M. Stevens
ESTIMATOR: Ed Lumbert
ESTIMATE NUMBER: C3-2001-05-015

ESTIMATE ASSUMPTIONS

EXECUTION:

☒ This project is to be performed on a 40-hour week, 10 hours a day.
☐ This project is to be performed on a 40-hour week, 8 hours a day.
☐ Premium time allowed.

WAGE RATES:

☒ Wage rates within this estimate are based on Project Labor Agreement rates, effective October 2000 and are considered FY01 dollars for estimating.
☐ Wage rates within this estimate are based on FDF Support Contractor FSC 599 wage rates, effective October 2000 and are considered FY01 dollars for estimating.
☐ Wage rates within this estimate are based on FDF FTE Planning Labor Rates FY01

ENGINEERING:

☒ N/A
☐ Engineering dollars provided by the Project Engineer.
☐ Engineering dollars have been factored in at the standard 12% of the total direct and indirect field costs as per request of Project Engineer.

CONSTRUCTION MANAGEMENT:

☒ N/A
☐ Construction Management dollars provided by the Project Engineer.
☐ Construction Management dollars have been factored in at the standard 30% of the total direct and indirect field costs as per request of Project Engineer.

PROJECT MANAGEMENT:

☒ N/A
☐ Project Management dollars provided by the Project Engineer.
☐ Project Management dollars have been factored in at the standard 30% of the total direct and indirect field costs as per request of Project Engineer.

WASTE PROGRAM MANAGEMENT:

☒ N/A
☐ Waste Program Management dollars provided by the Project Engineer.

FLUOR FERNALD, INC.
PROJECTS CONTROLS
ESTIMATING SERVICES

May 12, 2001

PROJECT DESCRIPTION: D&D Miscellaneous Structures
WBS NUMBER: ~~1.1.B.1.B~~ 1.1.B.C
PROJECT ENGINEER: M. Stevens
ESTIMATOR: Ed Lumbert
ESTIMATE NUMBER: C3-2001-05-015

PRODUCTIVITY:

A productivity factor has been developed and applied to the unit man-hours derived from MEANS, Richardson, NECA, and or any other published estimating source. See attachment APPENDIX "A" and APPENDIX "B".

ESCALATION:

Escalation costs are excluded from the target estimate. The escalation costs are calculated within the Micro-Frame computer system according to the plan for rebaselining.

UNIT RATES:

Unit man-hours, equipment and material dollars are based on MEANS, McMaster-Carr, and or other published rates.

G & A (HO EXPENSE):

G & A are excluded from the target estimate. The G & A cost are calculated within the Micro-Frame computer system according to the plan for rebaselining.

HEALTH PHYSICS:

See attached APPENDIX "C".

RISK BUDGET:

N/A.

CONTINGENCY:

N/A.

ESTIMATE SUMMARY SHEET

PROJECT: D&D Miscellaneous Structures
ESTIMATE #: C3-2001-05-015
CLIENT: DOE
WBS #: 1.1.B.~~8~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDM

ITEM DESCRIPTION	M/H	RATE	LABOR $	S/C $	MAT'L $	EQUIP. $	TOTAL $
Single Wide Trailer	5,921		$127,140	$3,410	$4,520		$135,070
Single Wide Unit Cost	*78*		*$1,630*	*$44*	*$58*		*$1,732*
Double Wide Trailer	3,426		$73,600	$1,970	$4,320		$79,890
Double Wide Unit Cost	*46*		*$1,600*	*$43*	*$94*		*$1,737*
Tri Plex Trailer	258		$5,540	$150	$400		$6,090
Triplex Unit Cost	*3*		*$1,847*	*$50*	*$133*		*$2,030*
4 Plex	464		$9,970	$270	$710		$10,950
4 Plex Unit Cost	*4*		*$2,493*	*$68*	*$178*		*$2,738*
7 Plex	286		$8,290	$220	$620		$9,130
7 Plex Unit Cost	*2*		*$4,145*	*$110*	*$310*		*$4,565*
10 Plex	193		$5,580	$150	$440		$6,170
10 Plex Unit Cost	*1*		*$5,580*	*$150*	*$440*		*$6,170*
5F - Plant 5 Covered Storage Pad	604		$12,990	$348	$175		$13,513
12E - Maintenance Laborer Storage	58		$1,250	$30	$20		$1,300
12F - Maintenance Laborer Storage	58		$1,250	$30	$20		$1,300
12G- Restored Area Maintenance	58		$1,250	$30	$20		$1,300
16B - Electrical Sub Station	803		$17,250	$460	$230		$17,940
16C - Electrical Sub Station	82		$1,760	$50	$20		$1,830
16F - Electrical Sub Station	66		$1,420	$40	$20		$1,480
16G - Electrical Sub Station	80		$1,720	$50	$20		$1,790
16H - 10 Plex's North Substation	71		$1,520	$40	$20		$1,580
16J - 10 Plex's South Substation	71		$1,520	$40	$20		$1,580
20E - Well House #1	223		$4,780	$130	$70		$4,980
20F - Well House #2	250		$5,380	$140	$70		$5,590
20G - Well House #3	242		$5,200	$140	$70		$5,410
22B - Storm Sewer Lift St.	206		$4,420	$120	$130		$4,670
22D - Truck Scales	124		$2,670	$70	$170		$2,910
23 - Meteorlogical Tower	54		$1,170	$30	$20		$1,220
25C - Sewage Lift Station	97		$2,090	$60	$30		$2,180
25J - 10 Plexs Sewage Lift Station	833		$17,890	$480	$660		$19,030
26C - Main. Elect Substation Riser	292		$6,280	$170	$130		$6,580
28E - Guard Post OSDF S Entrance	54		$1,160	$30	$20		$1,210
28G - Guard Post NW Bldg 45	54		$1,160	$30	$20		$1,210
28H - Guard Post South K-65 Area	54		$1,160	$30	$20		$1,210
28J - Chpoint South Access Rd	54		$1,160	$30	$20		$1,210
28K - Chpoint East Parking Lot	54		$1,160	$30	$20		$1,210
28L - Gd Post N Const Access Rd	54		$1,160	$30	$20		$1,210
28M - Guard Post "F" Street	54		$1,160	$30	$20		$1,210
50 - Maintenance Storage Bldg	138		$2,950	$80	$40		$3,070
52A - RTRAK Building	95		$2,040	$50	$30		$2,120
52B - ASTD SCEP Building	95		$2,040	$50	$30		$2,120
60 - Quonset Hut #1	262		$5,620	$150	$350		$6,120
61 - Quonset Hut #2	262		$5,620	$150	$350		$6,120
62 - Quonset Hut #3	374		$8,040	$220	$460		$8,720
64 - Thorium Warehouse	1,390		$29,870	$800	$850		$31,520
65 - Old Plant 5 Warehouse	1,615		$34,690	$930	$470		$36,090
68 - Pilot Plant Warehouse	2,404		$51,640	$1,380	$5,830		$58,850
93A - Southwest Boilerhouse	1,988		$42,710	$1,150	$580		$44,440
G-008 - Pipe Bridges	14,032		$406,690	$10,900	$23,520		$441,110
TS-08 Env Monitor Eq Storage	487		$10,460	$280	$1,480		$12,220
DIRECT FIELD COSTS TOTAL	**38,349**	**$24.31**	**$932,420**	**$24,978**	**$47,055**		**$1,004,453**

BFDDM

ESTIMATE SUMMARY SHEET

Fluor Fernald, Inc.

PROJECT:	D&D Miscellaneous Structures	DATE:	12-May-01
ESTIMATE #:	C3-2001-05-015	ESTIMATOR:	EL/JW
CLIENT:	DOE	LOCATION:	Fernald
WBS #:	1.1.B~~B~~ C	TASK NO.:	~~BMSC3~~ BFDDM

SUPERVISION - CONTRACTOR	22,476		$678,450				$678,450
SMALL TOOLS & CONSUMABLES	-	-	-		$18,600		$18,600
MISC. EQUIP. RENTAL	-	-	-	$1,000	$314,630	$1,652,360	$1,967,990
TEMPORARY FACILITIES	-	-	-	-	-	-	-
TEMPORARY UTILITY HOOK-UP	499	-	$12,100		$6,500		$18,600
S/C Supplied Services for Project Duration	540	-	$11,600	-	-	-	$11,600
PER DIEM / SUBSISTANCE/INCENTIVE/LAB TEST	-	-	-	$144,100	$3,610		$147,710
HEALTH PHYSICS S/C	395	-	$9,600		$162,100		$171,700
CERCLA - TRAINING	200	-	$4,900				$4,900
GET/SITE ACCESS & JOB SPECIFIC TRAINING	81	-	$2,000				$2,000
PAYROLL BURDENS & BENEFITS	-	-	$941,100				$941,100
OVERHEAD & PROFIT	-	-	-	$1,000,800			$1,000,800
BOND	-	-	-	$187,400			$187,400
SALES TAX	-	-	-		$33,100	$99,100	$132,200
INDIRECT FIELD COSTS TOTAL	24,191		$1,659,750	$1,333,300	$538,540	$1,751,460	$5,283,050
DIRECT & INDIRECT FIELD COSTS TOTAL	62,540	$41.45	$2,592,170	$1,358,280	$585,600	$1,751,460	$6,287,510
TARGET ESTIMATE			(FY 01 DOLLARS)				$6,287,510

ESTIMATE PERFORMED BY ESTIMATING SERVICES

ESTIMATE SUMMARY SHEET

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.1

FACTORS

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDD1

FIXED PRICE $	LABOR $	S/C $	MAT'L. $	EQUIP. $	PPE $	TOTAL $
DFC DOLLARS	$932,420	$170,078	$47,055	$1,751,460	$162,100	$3,063,113
IFC COST FACTOR	2.7800	--	8.2967	0.9434	--	
BOND + OVERHEAD & PROFIT COST FACTOR	1.2330	1.2330	1.2330	1.2330	1.2330	
SALES TAX	-	-	1.0600	1.0600	1.0600	
DIRECT FIELD COST FACTOR =	3.4278	1.2330	10.8437	1.2330	1.3070	
BASE ESTIMATE $'s	$3,196,177	$209,708	$510,250	$2,159,580	$211,864	$6,287,578
BASE FACTOR	1.0000	1.0000	1.0000	1.0000	1.0000	
TARGET ESTIMATE FACTOR	3.4278	1.2330	10.8437	1.2330	1.3070	
FPS TARGET ESTIMATE (FY00 $)	$3,196,177	$209,708	$510,250	$2,159,580	$211,864	$6,287,580

NOTE:

1.)The above costs represent constant FY dollars and require de-escalation to FY96 for input to microframe. SEE De-Escalated Summary.
2.) If there are no DFC Equip. $, enter The IFC Equip. $'s into the direct field cost TOTAL and delete IFC Factor in G65.

The sales tax below may be included in the LOE estimates above. Choose where to show sales tax and whether Risk allowance applies.

ESTIMATE SUMMARY SHEET

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~U~~ C

Direct Field Cost w/FACTORS

AND RISK BL

YES	NO
X	

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: BEDDM ~~BMSC3~~

PAY ITEM NO.	DESCRIPTION	LABOR $	S/C $	MAT'L. $	EQUIP. $	PPE $	TOTAL $
		(ASSIGN OR PRORATE PPE MAT'L.$'s)-->>				162100	
	Single Wide Trailer	127140	23191	4520	238820	22103	415774.17
		$435,810	$28,590	$49,010	$294,470	$28,890	$836,770
	Unit Cost 78						10,728
	Double Wide Trailer	73600	13425	4320	138250	12795	242390.69
		$252,290	$16,550	$46,840	$170,470	$16,720	$502,870
	Unit Cost 46						10,932
	Tri Plex Trailer	5540	1011	400	10406	963	18319.99
		$18,990	$1,250	$4,340	$12,830	$1,260	$38,670
	Unit Cost 3						12,890
	4 Plex	9970	1819	710	18728	1733	32959.52
		$34,180	$2,240	$7,700	$23,090	$2,270	$69,480
	Unit Cost 4						17,370
	7 Plex	8290	1512	620	15572	1441	27435.30
		$28,420	$1,860	$6,720	$19,200	$1,880	$58,080
	Unit Cost 2						29,040
	10 Plex	5580	1018	440	10481	970	
		$19,130	$1,250	$4,770	$12,920	$1,270	$39,340
	Unit Cost 1						39,340
	5F - Plant 5 Covered Storage Pad	12990	2369	175	24400	2258	
		$44,530	$2,920	$1,900	$30,090	$2,950	$82,390
	12E - Maintenance Laborer Storage	1250	228	20	2348	217	
		$4,280	$280	$220	$2,900	$280	$7,960
	12F - Maintenance Laborer Storage	1250	228	20	2348	217	
		$4,280	$280	$220	$2,900	$280	$7,960
	12G- Restored Area Maintenance	1250	228	20	2348	217	
		$4,280	$280	$220	$2,900	$280	$7,960
	16B - Electrical Sub Station	17250	3146	230	32402	2999	
		$59,130	$3,880	$2,490	$39,950	$3,920	$109,370
	16C - Electrical Sub Station	$1,760	321	$20	3306	306	
		$6,030	$400	$220	$4,080	$400	$11,130
	16F - Electrical Sub Station	$1,420	259	$20	2667	247	
		$4,870	$320	$220	$3,290	$320	$9,020
	16G - Electrical Sub Station	1720	314	20	3231	299	
		$5,900	$390	$220	$3,980	$390	$10,880
	16H - 10 Plex's North Substation	1520	277	20	2855	264	
		$5,210	$340	$220	$3,520	$350	$9,640
	16J - 10 Plex's South Substation	1520	277	20	2855	264	
		$5,210	$340	$220	$3,520	$350	$9,640
	20E - Well House #1	4780	872	70	8979	831	
		$16,390	$1,080	$760	$11,070	$1,090	$30,390

ESTIMATE SUMMARY SHEET

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~U~~ C

Direct Field Cost w/FACTORS

AND RISK BL

YES	NO
X	

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDD

PAY ITEM NO.	DESCRIPTION	LABOR $	S/C $	MAT'L. $	EQUIP. $	PPE $	TOTAL $
	20F - Well House #2	$5,380	981	$70	10106	935	
		$18,440	$1,210	$760	$12,460	$1,220	$34,090
	20G - Well House #3	$5,200	949	$70	9768	904	
		$17,820	$1,170	$760	$12,040	$1,180	$32,970
	22B - Storm Sewer Lift St.	4420	806	130	8303	768	
		$15,150	$990	$1,410	$10,240	$1,000	$28,790
	22D - Truck Scales	2670	487	170	5015	464	
		$9,150	$600	$1,840	$6,180	$610	$18,380
	23 - Meteorlogical Tower	1170	213	20	2198	203	
		$4,010	$260	$220	$2,710	$270	$7,470
	25C - Sewage Lift Station	2090	381	30	3926	363	
		$7,160	$470	$330	$4,840	$470	$13,270
	25J - 10 Plexs Sewage Lift Station	$17,890	3263	$660	33605	3110	
		$61,320	$4,020	$7,160	$41,440	$4,060	$118,000
	26C - Main. Elect Substation Riser	$6,280	1146	$130	11796	1092	
		$21,530	$1,410	$1,410	$14,550	$1,430	$40,330
	28E - Guard Post OSDF S Entrance	1160	212	20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	28G - Guard Post NW Bldg 45	1160	212	20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	28H - Guard Post South K-65 Area	1160	212	20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	28J - Chpoint South Access Rd	$1,160	212	$20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	28K - Chpoint East Parking Lot	$1,160	212	$20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	28L - Gd Post N Const Access Rd	1160	212	20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	28M - Guard Post "F" Street	1160	212	20	2179	202	
		$3,980	$260	$220	$2,690	$260	$7,410
	50 - Maintenance Storage Bldg	2950	538	40	5541	513	
		$10,110	$660	$430	$6,830	$670	$18,700
	52A - RTRAK Building	2040	372	30	3832	355	
		$6,990	$460	$330	$4,720	$460	$12,960
	52B - ASTD SCEP Building	$2,040	372	$30	3832	355	
		$6,990	$460	$330	$4,720	$460	$12,960
	60 - Quonset Hut #1	$5,620	1025	$350	10557	977	
		$19,260	$1,260	$3,800	$13,020	$1,280	$38,620
	61 - Quonset Hut #2	5620	1025	350	10557	977	
		$19,260	$1,260	$3,800	$13,020	$1,280	$38,620

ESTIMATE SUMMARY SHEET

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~U~~ C

Direct Field Cost w/FACTORS

AND RISK BL

	YES	NO
	X	

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDr

PAY ITEM NO.	DESCRIPTION	LABOR $	S/C $	MAT'L. $	EQUIP. $	PPE $	TOTAL $
	62 - Quonset Hut #3	8040	1467	460	15102	1398	
		$27,560	$1,810	$4,990	$18,620	$1,830	$54,810
	64 - Thorium Warehouse	29870	5448	850	56108	5193	
		$102,390	$6,720	$9,220	$69,180	$6,790	$194,300
	65 - Old Plant 5 Warehouse	34690	6328	470	65162	6031	
		$118,910	$7,800	$5,100	$80,350	$7,880	$220,040
	68 - Pilot Plant Warehouse	$51,640	9419	$5,830	97001	8978	
		$177,010	$11,610	$63,220	$119,600	$11,730	$383,170
	93A - Southwest Boilerhouse	$42,710	7791	$580	80227	7425	
		$146,400	$9,610	$6,290	$98,920	$9,700	$270,920
	G-008 - Pipe Bridges	406690	74182	23520	763927	70703	
		$1,394,060	$91,470	$255,040	$941,940	$92,410	$2,774,920
	TS-08 Env Monitor Eq Storage	10460	1908	1480	19648	1818	
		$35,860	$2,350	$16,050	$24,230	$2,380	$80,870
TOTAL DIRECT		$3,196,180	$209,710	$510,250	$2,159,580	$211,860	$6,287,610

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B,~~V~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.	SUMMARY	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST / UNIT Labor	COST / UNIT S/C	COST / UNIT Mat'l	COST / UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	Single Wide Trailer				5,921						$127,140	$3,410	$4,520		$135,070
	Double Wide Trailer				3,426						$73,600	$1,970	$4,320		$79,890
	Tri Plex Trailer				258						$5,540	$150	$400		$6,090
	4 Plex				464						$9,970	$270	$710		$10,950
	7 Plex				286						$8,290	$220	$620		$9,130
	10 Plex				193						$5,580	$150	$440		$6,170
	5F - Plant 5 Covered Storage Pad				604						$12,990	$348	$175		$13,513
	12E - Maintenance Laborer Storage				58						$1,250	$30	$20		$1,300
	12F - Maintenance Laborer Storage				58						$1,250	$30	$20		$1,300
	12G- Restored Area Maintenance				58						$1,250	$30	$20		$1,300
	16B - Electrical Sub Station				803						$17,250	$460	$230		$17,940
	16C - Electrical Sub Station				82						$1,760	$50	$20		$1,830
	16F - Electrical Sub Station				66						$1,420	$40	$20		$1,480
	16G - Electrical Sub Station				80						$1,720	$50	$20		$1,790
	16H - 10 Plex's North Substation				71						$1,520	$40	$20		$1,580
	16J - 10 Plex's South Substation				71						$1,520	$40	$20		$1,580
	20E - Well House #1				223						$4,780	$130	$70		$4,980
	20F - Well House #2				250						$5,380	$140	$70		$5,590
	20G - Well House #3				242						$5,200	$140	$70		$5,410
	22B - Storm Sewer Lift St.				206						$4,420	$120	$130		$4,670
	22D - Truck Scales				124						$2,670	$70	$170		$2,910
	23 - Meteorlogical Tower				54						$1,170	$30	$20		$1,220
	25C - Sewage Lift Station				97						$2,090	$60	$30		$2,180
	25J - 10 Plexs Sewage Lift Station				833						$17,890	$480	$660		$19,030
	26C - Main. Elect Substation Riser				292						$6,280	$170	$130		$6,580
	28E - Guard Post OSDF S Entrance				54						$1,160	$30	$20		$1,210
	28G - Guard Post NW Bldg 45				54						$1,160	$30	$20		$1,210
	28H - Guard Post South K-65 Area				54						$1,160	$30	$20		$1,210
	28J - Chpoint South Access Rd				54						$1,160	$30	$20		$1,210
	28K - Chpoint East Parking Lot				54						$1,160	$30	$20		$1,210
	28L - Gd Post N Const Access Rd				54						$1,160	$30	$20		$1,210
	28M - Guard Post "F" Street				54						$1,160	$30	$20		$1,210
	50 - Maintenance Storage Bldg				138						$2,950	$80	$40		$3,070
	52A - RTRAK Building				95						$2,040	$50	$30		$2,120
	52B - ASTD SCEP Building				95						$2,040	$50	$30		$2,120
	60 - Quonset Hut #1				262						$5,620	$150	$350		$6,120
	61 - Quonset Hut #2				262						$5,620	$150	$350		$6,120
	62 - Quonset Hut #3				374						$8,040	$220	$460		$8,720
	64 - Thorium Warehouse				1,390						$29,870	$800	$850		$31,520
	65 - Old Plant 5 Warehouse				1,615						$34,690	$930	$470		$36,090
	68 - Pilot Plant Warehouse				2,404						$51,640	$1,380	$5,830		$58,850
	93A - Southwest Boilerhouse				1,988						$42,710	$1,150	$580		$44,440
	G-008 - Pipe Bridges				14,032						$406,690	$10,900	$23,520		$441,110
	TS-08 Env Monitor Eq Storage				487						$10,460	$280	$1,480		$12,220
	Subtotal Direct Cost	1	LOT		38,339	$24.32					$932,420	$24,978	$47,055		$1,004,453

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~U~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	SUMMARY OF MOBILIZATION & DEMOB														
	PREMOBILIZATION														
	A. Insurance Certificates, List of Sub-Tier Contractors Procurement Documents, Safe Work Plans, QA/QC Plan, Project Execution Plan, Construction and Engineering Documentation, Acceptable baseline Schedules														
	Duration:	[redacted]	wks												
	MOBILIZATION														
mD	Engineering Survey & Controls	5	s/c	1.0000	7			3,000				$15,000			$15,000
mD	Install Utilities, Telephone, etc.	5	hr	270.0000	1,832	22.69		2,000	0.25		$41,562	$10,000	$458		$52,020
mD	Install fencing as required	3	hr	270.0000	1,099	22.69			0.25		$24,937		$275		$25,212
mD	Other Site requirements - allowance	7	hr	270.0000	2,564	22.69			2.00		$58,186		$5,129		$63,315
	Total				5,502						$124,690	$25,000	$5,860		$155,550
	DEMOBILIZATION														
mD	Complete Punch List Items.	5	hr	270.0000	1,832	21.48			0.50		$39,350		$916		$40,266
C	Decontaminate Equipment.	2	hr	270.0000	996	21.48			3.00		$21,397		$2,988		$24,385
mD	Loadout contractors equipment.	1	hr	270.0000	366	21.48			2.50		$7,870		$916		$8,786
mD	Other area requirements.	7	hr	270.0000	2,564	21.48			0.75		$55,090		$1,923		$57,013
	Total				5,758						$123,710		$6,740		$130,450
	S/C Supplied Services for Project Duration														
mD	General Support & Housekeeping (1 FTE)	2	wks	270.0000	540	21.48					$11,600				$11,600
C	Debris Cleaning / Water Mgmt. (0 FTE)	0	wks			21.48									
	Total				540						$11,600				$11,600

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~&~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EUJW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BPDM

ITEM NO.			QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	Project Staffing	Each														
y	1. Project Manager	0.3	2,497	hr	1.0	2,497	54.42					$135,910				$135,910
y	2. Project Superintendent	0.3	2,497	hr	1.0	2,497	37.85					$94,530				$94,530
n	3. Project Engineer	0.3	2,497	hr	1.0	2,497	33.19					$82,900				$82,900
y	4. Safety Engineer	0.3	2,497	hr	1.0	2,497	30.34					$75,780				$75,780
n	5. Industrial Hygiene Tech.	0.3	2,497	hr	1.0	2,497	28.33					$70,760				$70,760
n	6. QA/QC Engineer	0.3	2,497	hr	1.0	2,497	28.05					$70,060				$70,060
n	7. Office Administration	0.3	2,497	hr	1.0	2,497	19.31					$48,220				$48,220
n	8. Contract Administration/ Scheduler	0.3	2,497	hr	1.0	2,497	25.58					$63,870				$63,870
n	9. Clerical	0.3	2,497	hr	1.0	2,497	14.58					$36,418				$36,418
	Project Staffir Sub-Total					22,476	30.19					$678,448				$678,448
	Minus Premobilization						30.19									
	Supervision - Contractor TOTAL (Forward to Estimate Summary Sheet)					22,476	30.19					$678,450				$678,450
	Perdiem		187	wks					500.00				$93,700			$93,700
	Safety incentive $10 per man month		361	ea						10.00				$3,610		$3,610
	O.S. Testing Lab. (Transite, ACM)		1,441	ea					35.00				$50,400			$50,400
	PER DIEM / : (Forward to Estimate Summary Sheet)												$144,100	$3,610		$147,710

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~3~~ C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.			QTY	UNIT	MONTHS Mo.	MONTHS Total	MONTHS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
		RENTAL EQUIPMENT														
1	Mobil Crane	200 Ton Capacity		ea						4,752	23,758					
2	Mobil Crane	60 Ton Capacity		ea						2,000	10,000					
3	Mobil Crane	50 Ton Capacity		ea						1,800	9,000					
4	Mobil Crane	28 Ton Capacity		ea						1,580	7,900					
5	Scissor Lift			ea						290	1,450					
6	Man Lift	60 - 70 Foot Reach	1	ea	48.0000	48				799	3,995			$38,350	$191,760	$230,110
7	Man Lift	80 - Foot Reach		ea						960	4,800					
8	Man Lift	130 - Foot Reach		ea						3,000	15,000					
9	VEC Loader			ea						500	2,500					
10	Pick-up Truck		1	ea	48.0000	48				160	800			$7,680	$38,400	$46,080
11	Front End Loader			ea						580	2,900					
12	Skid Stear Loader		1	ea	48.0000	48				300	1,500			$14,400	$72,000	$86,400
13	Fork Lift			ea						320	1,600					
14	5800 Link-Belt	w Rotating Shear	1	ea	48.0000	48				3,600	18,000			$172,800	$864,000	$1,036,800
15	5800 Link-Belt	w Grapler	1	ea	48.0000	48				1,600	8,000			$76,800	$384,000	$460,800
16	Backhoe - Bucket 1 1/2 CY/Ram Attached			ea						1,830	9,148					
17	Air Compressor			ea						100	500					
18	Pressure Washer			ea						14	68					
19	Pressure Washer	- High Pressure	1	ea	48.0000	48				26	129			$1,240	$6,200	$7,440
20	Contractor Office Trailer			ea							600					
21	Asbestos Trailer			ea							1,500					
22	Asbestos Removal Equip. (AFD/VAC)			lot							600					
23	Scaffolding		1	lot	48.0000	48					600				$28,800	$28,800
24	Water Stg. Tanks 6,500 Gal.	(Purchase)		lot							6,000					
25	Power Packs (Elect. Panel Boards)		1	ea	48.0000	48					750				$36,000	$36,000
26	Tool Trailer		1	ea	48.0000	48					300				$14,400	$14,400
27	Effluent Water Pump			ea						17	83					
28	Light Tower		1	ea	48.0000	48				70	350			$3,360	$16,800	$20,160
29	Man Lift (1 person lift)			ea						40	200					
30																
31																
32																
33	Freight (In & Out)		1	allow	1.0000	1			1,000				$1,000			$1,000
	Subtotal Direct Cost		1	LOT		481							$1,000	$314,630	$1,652,360	$1,967,990

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.W C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	Single Wide Trailer														
mC	Release Cleaning	720	sf	0.0050	6	21.48			0.05		$136		$36		$172
C+	Floor Tile (ACM)	100	sf	0.1000	21	21.48					$446				$446
mC	Sheet Metal Siding	2,592	sf	0.0053	24	21.48					$517				$517
mC	Structural Steel	2,400	lbs	0.0012	5	21.48					$109				$109
mD	Mobilization & Demobilization	1	ls	14	20	21.48		44	22		$422	$44	$22		$488
	Sub Total				76						$1,630	$44	$58		$1,732
	Single Wide Trailers Exhibit E	78	ea		5,921						$127,140	$3,410	$4,520		$135,070
	Double Wide Trailer														
mC	Release Cleaning	1,440	sf	0.0030	8	21.48			0.05		$163		$72		$235
mC	Sheet Metal Siding	4,032	sf	0.0053	37	21.48					$805				$805
mC	Structural Steel	4,800	lbs	0.0012	10	21.48					$218				$218
mD	Mobilization & Demobilization	1	ls	14	19	21.48		43	22		$414	$43	$22		$479
	Sub Total				74						$1,600	$43	$94		$1,737
	Double Wide Trailers Exhibit E	46	ea		3,426						$73,600	$1,970	$4,320		$79,890
	Tri Plex Trailer														
mC	Release Cleaning	2,160	sf	0.0030	11	21.48			0.05		$245		$108		$353
mC	Sheet Metal Siding	3,984	sf	0.0053	37	21.48					$795				$795
mC	Structural Steel	7,200	lbs	0.0012	15	21.48					$327				$327
mD	Mobilization & Demobilization	1	ls	16	22	21.48		49	25		$479	$49	$25		$553
	Sub Total				86						$1,846	$49	$133		$2,028
	Tri Plex Trailers Exhibit E	3	ea		258						$5,540	$150	$400		$6,090
	4 Plex														
mC	Release Cleaning	2,880	sf	0.0030	15	21.48			0.05		$327		$144		$471
mC	Sheet Metal Siding	4,608	sf	0.0053	43	21.48					$920				$920
mC	Dry Wall partitions	384	sf	0.0115	8	21.48					$167				$167
mC	Structural Steel	9,600	lbs	0.0012	20	21.48					$435				$435
mD	Mobilization & Demobilization	1	ls	22	30	21.48		67	34		$643	$67	$34		$744
	Sub Total				116						$2,492	$67	$178		$2,737
	4Plex Trailers Exhibit E	4	ea		464						$9,970	$270	$710		$10,950
	7 Plex														
mC	Release Cleaning	5,040	sf	0.0030	27	21.48			0.05		$572		$252		$824
mC	Sheet Metal Siding	7,344	sf	0.0053	68	21.48					$1,466				$1,466
mC	Dry Wall partitions	630	sf	0.0115	13	21.48					$274				$274
mC	Structural Steel	16,800	lbs	0.0012	35	21.48					$762				$762
mD	Mobilization & Demobilization	1	ls	37	50	21.48		111	56		$1,071	$111	$56		$1,238
	Sub Total				143						$4,145	$111	$308		$4,564
	7 Plex Trailers Exhibit E	2	ea		286						$8,290	$220	$620		$9,130

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.W C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BM3C3~~ BFDOM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	10 Plex														
mC	Release Cleaning	7,200	sf	0.0030	38	21.48			0.05		$817		$360		$1,177
mC	Sheet Metal Siding	10,080	sf	0.0053	94	21.48					$2,012				$2,012
mC	Dry Wall partitions	1,350	sf	0.0115	27	21.48					$587				$587
mC	Structural Steel	24,000	lbs	0.0008	34	21.48					$726				$726
mD	Mobilization & Demobilization	1	ls	49	67	21.48		150	75		$1,436	$150	$75		$1,661
	Sub Total				193						$5,578	$150	$435		$6,163
	10Plex Trailers Exhibit E	1	ea		193						$5,580	$150	$440		$6,170
	5F - Plant 5 Covered Storage Pad														
C+	Area Prep.	11	mh	1.0000	23	21.48					$502				$502
mD	Mobilization & Demobilization	1	ls	115	157	21.48		348	175		$3,364	$348	$175		$3,887
B+	Equipment Torch Cut S.S. Vessel		lf	0.2360		21.48			0.20						
C	Piping 5" through 8" (ACM)		lf	0.1600		21.48			0.65						
mC	Pipe 4" & <	1,418	lf	0.0400	100	21.48					$2,144				$2,144
mC	Pipe 6" through 12"		lf	0.1600		21.48									
mC	Electrical Conduit 4" &<	200	lf	0.0033	1	21.48					$25				$25
mC	Electrical Fixtures	28	ea	0.3200	16	21.48					$339				$339
mC	Fencing	143	lf	0.0540	14	21.48					$292				$292
mC	Sheet Metal Roof	15,591	sf	0.0053	145	21.48					$3,112				$3,112
mC	Gutters & Down Spouts	175	lf	0.0330	10	21.48					$218				$218
mC	Structural Steel	126,494	lbs	0.0006	139	21.48					$2,989				$2,989
	Total				604						$12,990	$348	$175		$13,513
	Subtotal Direct Cost														

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~5~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDOM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	12E - Maintenance Laborer Storage														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	11	15	21.48		33	17		$321	$33	$17		$371
mD	Structural Steel	1,030	lbs	0.0008	1	21.48					$24				$24
mD	Sheet Metal Siding	700	sf	0.0053	5	21.48					$108				$108
mD	Sheet Metal Roof	520	sf	0.0053	4	21.48					$80				$80
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Rollup Doors 12' * 12'	1	ea	4.0000	5	21.48					$117				$117
	Total				58						$1,250	$30	$20		$1,300
	12F - Maintenance Laborer Storage														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	11	15	21.48		33	17		$321	$33	$17		$371
mD	Structural Steel	1,030	lbs	0.0008	1	21.48					$24				$24
mD	Sheet Metal Siding	700	sf	0.0053	5	21.48					$108				$108
mD	Sheet Metal Roof	520	sf	0.0053	4	21.48					$80				$80
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Rollup Doors 12' * 12'	1	ea	4.0000	5	21.48					$117				$117
	Total				58						$1,250	$30	$20		$1,300
	12G- Restored Area Maintenance														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	11	15	21.48		33	17		$321	$33	$17		$371
mD	Structural Steel	1,030	lbs	0.0008	1	21.48					$24				$24
mD	Sheet Metal Siding	700	sf	0.0053	5	21.48					$108				$108
mD	Sheet Metal Roof	520	sf	0.0053	4	21.48					$80				$80
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Rollup Doors 12' * 12'	1	ea	4.0000	5	21.48					$117				$117
	Total				58						$1,250	$30	$20		$1,300
	Subtotal Direct Cost	1	LOT												

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~U~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: BMSC3
BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	93A - Southwest Boilerhouse														
mD	Building Prep.	160	mh	1.0000	217	21.48					$4,664				$4,664
mD	Mobilization & Demobilization	1	ls	379	515	21.48		1,145	577		$11,058	$1,145	$577		$12,780
mD	Building Vestabule/Entrance	80	mh	1.0000	109	21.48					$2,332				$2,332
mD	Concrete Other	13	cy	0.5000	9	21.48					$189				$189
mD	Structural Steel	51,160	lbs	0.0006	43	21.48					$932				$932
mD	Structural Stl Grating	106	sf	0.1000	14	21.48					$309				$309
mD	Structural Stl H.R.	86	lf	0.0080	1	21.48					$20				$20
mD	Sheet Metal Siding	5,220	sf	0.0053	37	21.48					$803				$803
mD	Sheet Metal Roof	4,800	sf	0.0053	34	21.48					$739				$739
mD	Gutters & Down Spouts	220	lf	0.0330	10	21.48					$212				$212
mD	Doors 3' * 7'	3	ea	0.5000	2	21.48					$44				$44
mD	Rollup Doors 12' * 12'	6	ea	4.0000	33	21.48					$700				$700
mD	Windows & Louvers	7	ea	0.6310	6	21.48					$129				$129
mD	Insulation F/G Batts	10,020	sf	0.0050	68	21.48					$1,460				$1,460
mD	Unit Heaters	1	ea	0.6500	1	21.48					$19				$19
mD	Equipment - Smsll (Machinery)	9	ton	2.5000	29	21.48					$619				$619
mD	Equipment Tanks	3	ton	4.8000	20	21.48					$420				$420
mD	Equipment Pumps Lrg	3	ton	5.0000	20	21.48					$437				$437
mD	Equipment - Large (Machinery)	19	ton	4.8000	124	21.48					$2,658				$2,658
mD	HVAC Duct Wk. 8"-18"	80	lf	0.0400	4	21.48					$93				$93
mD	Pipe 4" & <	4,424	lf	0.0400	240	21.48					$5,158				$5,158
mD	Pipe 6" through 12"	1,623	lf	0.1600	352	21.48					$7,569				$7,569
mD	Electrical Conduit 4" &<	4,361	lf	0.0033	20	21.48					$419				$419
mD	Electrical Fixtures	106	ea	0.3200	46	21.48					$989				$989
mD	Electrical Box	6	ea	0.5000	4	21.48					$87				$87
mD	Electrical Transformers (Large)	8	ton	2.5000	27	21.48					$583				$583
mD	Electrical Switches	2	ea	0.5000	1	21.48					$29				$29
mD	Instrumentation	12	ea	0.1000	2	21.48					$35				$35
	Total				1,988						$42,710	$1,150	$580		$44,440
	Subtotal Direct Cost														

CONTRACTOR - Stated in FY01 DOLLARS

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: BMSC3 BFDOM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	16B - Electrical Sub Station														
mC	Building Prep.	20	mh	1.0000	35	21.48					$756				$756
mD	Mobilization & Demobilization	1	ls	153	208	21.48		463	233		$4,457	$463	$233		$5,153
mC	Concrete Block, Masonry Type	888	cf	0.0180	28	21.48					$605				$605
mC	Structural Steel	1,420	lbs	0.0006	2	21.48					$34				$34
mC	Mineral Wool Insulation	210	cf	0.0240	9	21.48					$191				$191
mC	Built up Roof w/Gravel	840	sf	0.0250	37	21.48					$794				$794
mC	Doors 3' * 7'	6	ea	0.5000	5	21.48					$113				$113
mC	Lead removal	900	lbs	0.0050	8	21.48					$170				$170
mC	Equipment - Smsll (Machinery)	99	ton	2.5000	436	21.48					$9,375				$9,375
mC	Electrical Conduit 4" &<	2,000	lf	0.0033	12	21.48					$249				$249
mC	Building Debris	14	mh	1.0000	24	21.48					$510				$510
	Total				803						$17,250	$460	$230		$17,940
	16C - Electrical Sub Station														
mC	Building Prep.	20	mh	1.0000	35	21.48					$756				$756
mD	Mobilization & Demobilization	1	ls	15	21	21.48		47	24		$450	$47	$24		$521
mC	Sheet Metal Siding	90	sf	0.0053	1	21.48					$18				$18
mC	Equipment - Smsll (Machinery)	1	ton	2.5000	2	21.48					$47				$47
mC	Electrical Conduit 4" &<	500	lf	0.0033	3	21.48					$62				$62
mC	Building Debris	11	mh	1.0000	20	21.48					$425				$425
	Total				82						$1,760	$50	$20		$1,830
	16F - Electrical Sub Station														
mC	Building Prep.	20	mh	1.0000	35	21.48					$756				$756
mD	Mobilization & Demobilization	1	ls	13	17	21.48		38	19		$364	$38	$19		$421
mC	Structural Steel	1,320	lbs	0.0008	2	21.48					$40				$40
mC	Sheet Metal Roof	475	sf	0.0053	4	21.48					$95				$95
mC	Doors 3' * 7'	2	ea	0.5000	2	21.48					$38				$38
mC	Electrical Conduit 4" &<	120	lf	0.0033	1	21.48					$15				$15
mC	Building Debris	3	mh	1.0000	5	21.48					$113				$113
	Total				66						$1,420	$40	$20		$1,480
	16G - Electrical Sub Station														
mC	Building Prep.	20	mh	1.0000	35	21.48					$756				$756
mD	Mobilization & Demobilization	1	ls	15	21	21.48		46	23		$450	$46	$23		$519
mC	Structural Steel	1,220	lbs	0.0008	2	21.48					$37				$37
mC	Sheet Metal Roof	1,010	sf	0.0053	9	21.48					$202				$202
mC	Doors 3' * 7'	2	ea	0.5000	2	21.48					$38				$38
mC	Equipment - Smsll (Machinery)	0	ton	2.5000	1	21.48					$19				$19
mC	Electrical Conduit 4" &<	350	lf	0.0033	2	21.48					$44				$44
mC	Building Debris	5	mh	1.0000	8	21.48					$170				$170
	Total				80						$1,720	$50	$20		$1,790

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: ~~1.1.B.U~~ 1.1.B.C.

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	16H - 10 Plex's North Substation														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	13	18	21.48		41	21		$386	$41	$21		$448
mD	Equipment - Smsll (Machinery)	5	ton	2.5000	17	21.48					$364				$364
mD	Electrical Conduit 4" &<	500	lf	0.0033	2	21.48					$48				$48
mD	Pipe 4" & <	100	lf	0.0400	5	21.48					$117				$117
mD	Structural Steel	1,000	lbs	0.0008	1	21.48					$23				$23
	Total				71						$1,520	$40	$20		$1,580
	16J - 10 Plex's South Substation														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	13	18	21.48		41	21		$386	$41	$21		$448
mD	Equipment - Smsll (Machinery)	5	ton	2.5000	17	21.48					$364				$364
mD	Electrical Conduit 4" &<	500	lf	0.0033	2	21.48					$48				$48
mD	Pipe 4" & <	100	lf	0.0400	5	21.48					$117				$117
mD	Structural Steel	1,000	lbs	0.0008	1	21.48					$23				$23
	Total				71						$1,520	$40	$20		$1,580
	25C - Sewage Lift Station														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	18	25	21.48		56	28		$536	$56	$28		$620
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	4	ea	0.6310	3	21.48					$74				$74
mD	Glass	27	sf	0.0050	0	21.48					$4				$4
mD	Concrete Block, Masonry Type	510	cf	0.0180	12	21.48					$268				$268
mD	Concrete Elev. Slab	5	cy	1.8015	13	21.48					$278				$278
mD	Equipment - Smsll (Machinery)	2	ton	2.5000	7	21.48					$146				$146
mD	Electrical Conduit 4" &<	100	lf	0.0033	0	21.48					$10				$10
mD	Electrical Box	6	ea	0.5000	4	21.48					$87				$87
mD	Electrical Fixtures	6	ea	0.3200	3	21.48					$56				$56
mD	Structural Stl H.R.	30	lf	0.0080	0	21.48					$7				$7
mD	HVAC Duct Wk. 8"-18"	15	lf	0.0400	1	21.48					$17				$17
mD	Wood Construction, Plywood	16	sf	0.0110	0	21.48					$5				$5
	Total				97						$2,090	$60	$30		$2,180
	Subtotal Direct Cost														

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~1~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDOM

ITEM NO.		QTY	UNIT	Unit	Total	Rate	COST/UNIT Labor	S/C	Mat'l	Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	20E - Well House #1														
C	Building Release Cleaning Area	17	mh	1.0000	31	21.48					$669				$669
mD	Mobilization & Demobilization	1	ls	43	58	21.48		128	65		$1,243	$128	$65		$1,436
mC	Doors 3' * 7'	1	ea	0.5000	1	21.48					$19				$19
mC	Windows & Louvers	1	ea	0.6310	1	21.48					$24				$24
mC	Pipe 4" & <	71	lf	0.0400	5	21.48					$107				$107
mC	Pipe 6" through 12"	19	lf	0.1600	5	21.48					$115				$115
mC	Equipment Pumps Med	17	ton	3.0000	90	21.48					$1,928				$1,928
mC	Electrical MCC's	30	cf	0.0100	1	21.48					$11				$11
mC	Roof Wood Nailer	257	lf	0.0080	4	21.48					$78				$78
mC	Wood Construction, Plywood	192	sf	0.0110	4	21.48					$80				$80
mC	Built up Roof w/Gravel	192	sf	0.0250	8	21.48					$181				$181
mC	Concrete Block, Masonry Type	313	cf	0.0180	10	21.48					$213				$213
mC	Structural Steel	4,875	lbs	0.0006	5	21.48					$115				$115
	Total				223						$4,780	$130	$70		$4,980
	20F - Well House #2														
C	Building Release Cleaning Area	28	mh	1.0000	52	21.48					$1,114				$1,114
mD	Mobilization & Demobilization	1	ls	48	65	21.48		144	73		$1,393	$144	$73		$1,610
mC	Doors 3' * 7'	1	ea	0.5000	1	21.48					$19				$19
mC	Windows & Louvers	1	ea	0.6310	1	21.48					$24				$24
mC	Pipe 4" & <	71	lf	0.0400	5	21.48					$107				$107
mC	Pipe 6" through 12"	19	lf	0.1600	5	21.48					$115				$115
mC	Equipment Pumps Med	17	ton	3.0000	90	21.48					$1,928				$1,928
mC	Electrical MCC's	30	cf	0.0100	1	21.48					$11				$11
mC	Roof Wood Nailer	257	lf	0.0080	4	21.48					$78				$78
mC	Wood Construction, Plywood	192	sf	0.0110	4	21.48					$80				$80
mC	Built up Roof w/Gravel	192	sf	0.0250	8	21.48					$181				$181
mC	Concrete Block, Masonry Type	313	cf	0.0180	10	21.48					$213				$213
mC	Structural Steel	4,875	lbs	0.0006	5	21.48					$115				$115
	Total				250						$5,380	$140	$70		$5,590

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~B~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSCS~~ BFDPM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	20G - Well House #3														
C	Building Release Cleaning Area	28	mh	1.0000	52	21.48					$1,114				$1,114
mD	Mobilization & Demobilization	1	ls	46	63	21.48		139	70		$1,350	$139	$70		$1,559
mC	Doors 3' * 7'	1	ea	0.5000	1	21.48					$19				$19
mC	Windows & Louvers	1	ea	0.6310	1	21.48					$24				$24
mC	Pipe 4" & <	57	lf	0.0400	4	21.48					$86				$86
mC	Pipe 6" through 12"	19	lf	0.1600	5	21.48					$115				$115
mC	Equipment Pumps Med	17	ton	3.0000	90	21.48					$1,928				$1,928
mC	Electrical MCC's	30	cf	0.0100	1	21.48					$11				$11
mC	Roof Wood Nailer	257	lf	0.0080	4	21.48					$78				$78
mC	Wood Construction, Plywood	192	sf	0.0110	4	21.48					$80				$80
mC	Built up Roof w/Gravel	192	cf	0.0250	8	21.48					$181				$181
mC	Concrete Block, Masonry Type	313	cf	0.0180	10	21.48					$213				$213
	Total				242						$5,200	$140	$70		$5,410
	22B - Storm Sewer Lift St.														
C	Building Prep.	28	mh	1.0000	52	21.48					$1,114				$1,114
mD	Mobilization & Demobilization	1	ls	39	53	21.48		119	60		$1,136	$119	$60		$1,315
mC	Structural Steel	1,572	lbs	0.0006	2	21.48					$37				$37
mC	Doors 3' * 7'	1	ea	0.5000	1	21.48					$19				$19
mC	Windows & Louvers	2	ea	0.6310	2	21.48					$48				$48
mC	Electrical Fixtures	4	ea	0.3200	2	21.48					$48				$48
mC	Electrical MCC's	28	cf	0.0100	0	21.48					$11				$11
mC	Electrical Transformers (Small)	1	ea	2.2200	4	21.48					$84				$84
mC	Electrical Box	11	ea	0.5000	10	21.48					$208				$208
mC	Electrical Conduit 4" &<	389	lf	0.0033	2	21.48					$49				$49
mC	Instrumentation	5	ea	0.1000	1	21.48					$19				$19
mC	Unit Heaters	2	ea	0.6500	2	21.48					$49				$49
mC	Pipe 4" & <	51	lf	0.0400	4	21.48					$77				$77
mC	Pipe 6" through 12"	54	lf	0.1600	15	21.48					$327				$327
mC	Piping 4" and < (ACM)	105	lf	0.1420	26	21.48			0.65		$564		$68		$632
mC	Blower	0	ton	3.0000	1	21.48					$14				$14
mC	Equipment Pumps Med	1	ton	3.0000	6	21.48					$132				$132
mC	HVAC Duct Wk. 8"-18"	47	lf	0.0400	3	21.48					$71				$71
mC	Unit Heaters	2	ea	0.6500	2	21.48					$49				$49
mC	Built up Roof w/Gravel	145	sf	0.0250	6	21.48					$137				$137
mC	Roof Wood Nailer	59	lf	0.0080	1	21.48					$18				$18
mC	Concrete - Plank 2" - 4" Tk	48	cf	0.0180	2	21.48					$33				$33
mC	Concrete Block, Masonry Type	257	cf	0.0180	8	21.48					$175				$175
	Total				206						$4,420	$120	$130		$4,670

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B,C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: BMSC3 BFDM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	22D - Truck Scales														
mC	Building Prep.	11	mh	1.0000	20	21.48					$425				$425
mD	Mobilization & Demobilization	1	ls	24	32	21.48		72	36		$686	$72	$36		$794
mC	Doors 3' * 7'	1	ea	0.5000	1	21.48					$19				$19
mC	Windows & Louvers	1	ea	0.6310	1	21.48					$24				$24
mC	Building Debris	2	mh	1.0000	4	21.48					$76				$76
mC	Equipment - Smsll (Machinery)	13	ton	2.5000	55	21.48					$1,181				$1,181
mC	Structural Steel	300	lbs	0.0008	0	21.48					$9				$9
mC	Instrumentation	6	ea	0.1000	1	21.48					$23				$23
mC	Transite Siding	280	sf	0.0150	7	21.48			0.08		$159		$22		$181
mC	Encapsulation	280	sf	0.0060	3	21.48			0.40		$64		$112		$176
	Total				124						$2,670	$70	$170		$2,910
	23 - Meteorlogical Tower														
mD	Building Prep.	20	mh	1.0000	27	21.48					$583				$583
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Equipment - Smsll (Machinery)	1	ton	2.5000	3	21.48					$73				$73
mD	Electrical Conduit 4" &<	1,250	lf	0.0033	6	21.48					$120				$120
mD	Structural Steel	3,800	lbs	0.0008	4	21.48					$89				$89
	Total				54						$1,170	$30	$20		$1,220
	25J - 10 Plexs Sewage Lift Station														
mD	Building Prep.	32	mh	1.0000	43	21.48					$933				$933
mD	Mobilization & Demobilization	1	ls	159	215	21.48		480	242		$4,629	$480	$242		$5,351
mD	Building Vestabule/Entrance	64	mh	1.0000	87	21.48					$1,865				$1,865
C+	Building Release Cleaning Area	40	mh	1.0000	83	21.48					$1,785				$1,785
C+	Piping 4" and < (ACM)	500	lf	0.1420	148	21.48			0.65		$3,169		$325		$3,494
C+	Piping 5" through 8" (ACM)	60	lf	0.1600	20	21.48			0.65		$428		$39		$467
C+	ACM/ Hi Rad Containment Area	100	sf	0.7000	145	21.48			0.50		$3,124		$50		$3,174
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	4	ea	0.6310	3	21.48					$74				$74
mD	Concrete Block, Masonry Type	194	cf	0.0180	5	21.48					$102				$102
mD	Concrete Elev. Slab	21	cy	1.8015	53	21.48					$1,128				$1,128
mD	Equipment - Smsll (Machinery)	5	ton	2.5000	17	21.48					$373				$373
mD	Built up Roof w/Gravel	290	sf	0.0250	10	21.48					$211				$211
mD	Structural Steel	2,500	lbs	0.0008	3	21.48					$58				$58
	Total				833						$17,890	$480	$660		$19,030

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.VC

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	26C - Main. Elect Substation Riser														
mC	Building Prep.	5	mh	1.0000	9	21.48					$189				$189
mD	Mobilization & Demobilization	1	ls	56	76	21.48		168	85		$1,629	$168	$85		$1,882
mC	Structural Steel	560	lbs	0.0008	1	21.48					$17				$17
mC	Concrete Block, Masonry Type	268	cf	0.0180	8	21.48					$182				$182
mC	Mineral Wool Insulation	2,676	cf	0.0240	113	21.48					$2,428				$2,428
C+	Transite Siding	137	sf	0.0150	4	21.48			0.08		$92		$11		$103
mC	Doors 3' * 7'	2	ea	0.5000	2	21.48					$38				$38
mC	Equipment - Large (Machinery)	0	ton	4.8000	2	21.48					$42				$42
C+	Piping 4" and < (ACM)	46	lf	0.1420	14	21.48			0.65		$292		$30		$322
mC	Pipe 4" & <	165	lf	0.0400	12	21.48					$249				$249
mC	Pipe 6" through 12"	20	lf	0.1600	6	21.48					$121				$121
mC	Electrical Conduit 4" &<	1,200	lf	0.0033	7	21.48					$150				$150
mC	Building Debris	23	mh	1.0000	40	21.48					$851				$851
	Total				292						$6,280	$170	$130		$6,580
	28E - Guard Post OSDF S Entrance														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210
	28G - Guard Post NW Bldg 45														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~1~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	28H - Guard Post South K-65 Area														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210
	28J - Chpoint South Access Rd														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210
	28K - Chpoint East Parking Lot														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210
	28L - Gd Post N Const Access Rd														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~4~~ C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	28M - Guard Post "F" Street														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	10	14	21.48		31	16		$300	$31	$16		$347
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Windows & Louvers	3	ea	0.6310	3	21.48					$55				$55
mD	Dry Wall partitions	448	sf	0.0115	7	21.48					$150				$150
mD	Electrical Fixtures	3	ea	0.3200	1	21.48					$28				$28
mD	Insulation F/G Batts	384	sf	0.0050	3	21.48					$56				$56
mD	Sheet Metal Siding	320	sf	0.0053	2	21.48					$49				$49
mD	Structural Steel	1,856	lbs	0.0008	2	21.48					$43				$43
	Total				54						$1,160	$30	$20		$1,210
	50 - Maintenance Storage Bldg														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	26	36	21.48		79	40		$771	$79	$40		$890
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Rollup Doors 10' * 10'	1	ea	4.0000	5	21.48					$117				$117
mD	Electrical Conduit 4" &<	500	lf	0.0033	2	21.48					$48				$48
mD	Electrical Fixtures	30	ea	0.3200	13	21.48					$280				$280
mD	Sheet Metal Siding	3,360	sf	0.0053	24	21.48					$517				$517
mD	Sheet Metal Roof	2,880	sf	0.0053	21	21.48					$443				$443
mD	Structural Steel	12,720	lbs	0.0008	14	21.48					$297				$297
	Total				138						$2,950	$80	$40		$3,070
	52A - RTRAK Building														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	18	25	21.48		54	27		$536	$54	$27		$617
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Rollup Doors 10' * 10'	1	ea	4.0000	5	21.48					$117				$117
mD	Windows & Louvers	1	ea	0.6310	1	21.48					$18				$18
mD	HVAC Duct Wk. 8"-18"	20	lf	0.0400	1	21.48					$23				$23
mD	Equipment - Smsll (Machinery)	1	ton	2.5000	2	21.48					$36				$36
mD	Electrical Conduit 4" &<	120	lf	0.0033	1	21.48					$12				$12
mD	Electrical Fixtures	15	ea	0.3200	7	21.48					$140				$140
mD	Insulation F/G Batts	1,791	sf	0.0050	12	21.48					$261				$261
mD	Sheet Metal Siding	1,007	sf	0.0053	7	21.48					$155				$155
mD	Sheet Metal Roof	784	sf	0.0053	6	21.48					$121				$121
mD	Structural Steel	6,052	lbs	0.0008	7	21.48					$141				$141
	Total				95						$2,040	$50	$30		$2,120

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~4~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BM3C3~~ BFDDM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	52B - ASTD SCEP Building														
mD	Building Prep.	16	mh	1.0000	22	21.48					$466				$466
mD	Mobilization & Demobilization	1	ls	18	25	21.48		54	27		$536	$54	$27		$617
mD	Doors 3' * 7'	1	ea	0.5000	1	21.48					$15				$15
mD	Rollup Doors 10' * 10'	1	ea	4.0000	5	21.48					$117				$117
mD	Windows & Louvers	1	ea	0.6310	1	21.48					$18				$18
mD	HVAC Duct Wk. 8"-18"	20	lf	0.0400	1	21.48					$23				$23
mD	Equipment - Smsll (Machinery)	1	ton	2.5000	2	21.48					$36				$36
mD	Electrical Conduit 4" &<	120	lf	0.0033	1	21.48					$12				$12
mD	Electrical Fixtures	15	ea	0.3200	7	21.48					$140				$140
mD	Insulation F/G Batts	1,791	sf	0.0050	12	21.48					$261				$261
mD	Sheet Metal Siding	1,007	sf	0.0053	7	21.48					$155				$155
mD	Sheet Metal Roof	784	sf	0.0053	6	21.48					$121				$121
mD	Structural Steel	6,052	lbs	0.0008	7	21.48					$141				$141
	Total				95						$2,040	$50	$30		$2,120
	60 - Quonset Hut #1														
mD	Release Cleaning	5,487	sf	0.0173	128	21.48			0.05		$2,759		$274		$3,033
mD	Mobilization & Demobilization	1	ls	50	68	21.48		151	76		$1,457	$151	$76		$1,684
mD	Structural Steel	12,827	lbs	0.0008	14	21.48					$299				$299
mD	Sheet Metal Siding	4,772	sf	0.0053	34	21.48					$734				$734
mD	Windows & Louvers	4	ea	0.6310	3	21.48					$74				$74
mD	Electrical Conduit 4" &<	300	lf	0.0033	1	21.48					$29				$29
mD	Electrical Fixtures	6	ea	0.3200	3	21.48					$56				$56
mD	Electrical Box	3	ea	0.5000	2	21.48					$44				$44
mD	Electrical Switches	4	ea	0.5000	3	21.48					$58				$58
mD	Doors 3' * 7'	4	mh	0.5000	3	21.48					$58				$58
mD	Glass	48	sf	0.0050	0	21.48					$7				$7
mD	Roof Vent Small	3	ea	0.5100	2	21.48					$45				$45
	Total				262						$5,620	$150	$350		$6,120

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~D~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	61 - Quonset Hut #2														
mD	Release Cleaning	5,487	sf	0.0173	128	21.48			0.05		$2,759		$274		$3,033
mD	Mobilization & Demobilization	1	ls	50	68	21.48		151	76		$1,457	$151	$76		$1,684
mD	Structural Steel	12,827	lbs	0.0008	14	21.48					$299				$299
mD	Sheet Metal Siding	4,772	sf	0.0053	34	21.48					$734				$734
mD	Windows & Louvers	4	ea	0.6310	3	21.48					$74				$74
mD	Electrical Conduit 4" &<	300	lf	0.0033	1	21.48					$29				$29
mD	Electrical Fixtures	6	ea	0.3200	3	21.48					$56				$56
mD	Electrical Box	3	ea	0.5000	2	21.48					$44				$44
mD	Electrical Switches	4	ea	0.5000	3	21.48					$58				$58
mD	Doors 3' * 7'	4	mh	0.5000	3	21.48					$58				$58
mD	Glass	48	sf	0.0050	0	21.48					$7				$7
mD	Roof Vent Small	3	ea	0.5100	2	21.48					$45				$45
	Total				262						$5,620	$150	$350		$6,120
	62 - Quonset Hut #3														
mD	Release Cleaning	6,950	sf	0.0173	163	21.48			0.05		$3,494		$348		$3,842
mD	Mobilization & Demobilization	1	ls	71	97	21.48		216	109		$2,079	$216	$109		$2,404
mD	Structural Steel	14,878	lbs	0.0008	16	21.48					$347				$347
mD	Sheet Metal Siding	8,627	sf	0.0053	62	21.48					$1,328				$1,328
mD	Windows & Louvers	6	ea	0.6310	5	21.48					$110				$110
mD	Electrical Conduit 4" &<	600	lf	0.0033	3	21.48					$58				$58
mD	Electrical Fixtures	12	ea	0.3200	5	21.48					$112				$112
mD	Electrical Box	4	ea	0.5000	3	21.48					$58				$58
mD	Electrical Switches	4	ea	0.5000	3	21.48					$58				$58
mD	Doors 3' * 7'	7	mh	0.5000	5	21.48					$102				$102
mD	Glass	72	sf	0.0050	0	21.48					$10				$10
mD	Roof Vent Small	6	ea	0.5100	4	21.48					$89				$89
mD	Dry Wall partitions	440	sf	0.0115	7	21.48					$147				$147
mD	Unit Heaters	1	ea	0.6500	1	21.48					$19				$19
mD	Misc. Allowance	1	mh	1.0000	1	21.48					$29				$29
	Total				374						$8,040	$220	$460		$8,720

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B,~~U~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

ITEM NO.	Subtotal Direct Cost	QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	64 - Thorium Warehouse														
C	Building Prep.		mh	1.0000		21.48									
mD	Mobilization & Demobilization	1	ls	265	360	21.48		801	404		$7,736	$801	$404		$8,941
C	Pipe 4" & <	2,206	lf	0.0400	163	21.48					$3,496				$3,496
C	Electrical Conduit 4" &<	3,376	lf	0.0033	21	21.48					$441				$441
C	Electrical Fixtures	51	ea	0.3200	30	21.48					$647				$647
C	Electrical Box	37	ea	0.5000	34	21.48					$733				$733
C	Electrical Transformers (Small)	1	ea	2.2200	4	21.48					$88				$88
C	Unit Heaters	1	ea	0.6500	1	21.48					$26				$26
C	Windows & Louvers	20	ea	0.6310	23	21.48					$500				$500
C	Glass	280	sf	0.0050	3	21.48					$55				$55
C	Doors 3' * 7'	7	ea	0.5000	6	21.48					$139				$139
C	Rollup Doors 10' * 10'	13	ea	4.0000	96	21.48					$2,060				$2,060
C	Equipment Tanks	10	ton	4.8000	84	21.48					$1,807				$1,807
C	Equipment Pumps Med	1	ton	3.0000	4	21.48					$89				$89
C	Equipment Torch Cut C.S.	200	lf	0.1430	53	21.48					$1,133				$1,133
mC	Concrete Block, Masonry Type	1,819	cf	0.0180	58	21.48					$1,238				$1,238
mC	Concrete Elev. Slab	2	cy	1.8015	8	21.48					$166				$166
mC	Concrete Other	14	cy	0.5000	12	21.48					$261				$261
C	Transite Interior, Flat Style	924	sf	0.0160	27	21.48			0.08		$586		$74		$660
C	Encapsulation	924	sf	0.0060	10	21.48			0.40		$220		$370		$590
mC	Sheet Metal Siding	9,804	sf	0.0053	91	21.48					$1,957				$1,957
mC	Sheet Metal Roof	18,760	sf	0.0053	174	21.48					$3,744				$3,744
mC	Structural Steel	116,348	lbs	0.0006	128	21.48					$2,749				$2,749
	Total				1,390						$29,870	$800	$850		$31,520

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~0~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS			COST/UNIT				LABOR	S/C	MAT'L	EQUIP	TOTAL
				Unit	Total	Rate	Labor	S/C	Mat'l	Equip					
	65 - Old Plant 5 Warehouse														
mC	Building Prep.	140	mh	1.0000	247	21.48					$5,302				$5,302
mD	Mobilization & Demobilization	1	ls	308	418	21.48		930	469		$8,979	$930	$469		$10,378
mC	Doors 3' * 7'	15	ea	0.5000	13	21.48					$284				$284
mC	Windows & Louvers	93	ea	0.6310	103	21.48					$2,218				$2,218
mC	Rollup Doors 10' * 10'	32	ea	4.0000	225	21.48					$4,839				$4,839
mC	Glass	2,208	sf	0.0050	19	21.48					$417				$417
mC	Electrical Conduit 4" &<	1,435	lf	0.0033	8	21.48					$179				$179
mC	Electrical Fixtures	48	ea	0.3200	27	21.48					$581				$581
mC	Electrical Box	6	ea	0.5000	5	21.48					$113				$113
mC	Unit Heaters	2	ea	0.6500	2	21.48					$49				$49
mC	Electrical Transformers (Small)	1	ea	2.2200	4	21.48					$84				$84
mC	Pipe 4" & <	651	lf	0.0400	46	21.48					$984				$984
mC	Concrete Block, Masonry Type	223	cf	0.0180	7	21.48					$152				$152
mC	Sheet Metal Siding	11,268	sf	0.0053	105	21.48					$2,249				$2,249
mC	Sheet Metal Roof	15,956	sf	0.0053	148	21.48					$3,185				$3,185
mC	Gutters & Down Spouts	169	lf	0.0330	10	21.48					$211				$211
mC	Ridge Vent	5	lf	0.2000	2	21.48					$38				$38
mC	Structural Steel	204,248	lbs	0.0006	225	21.48					$4,826				$4,826
	Total				1,615						$34,690	$930	$470		$36,090

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~C~~

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: B~~MSC3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	68 - Pilot Plant Warehouse														
C+	Building Prep.		mh	1.0000		21.48									
mD	Mobilization & Demobilization	1	ls	459	623	21.48		1,384	698		$13,372	$1,384	$698		$15,454
C+	Building Vestabule/Entrance	80	mh	1.0000	166	21.48					$3,571				$3,571
C+	Building Release Cleaning Area	200	mh	1.0000	416	21.48					$8,927				$8,927
C+	Doors 3' * 7'	10	ea	0.5000	10	21.48					$223				$223
C+	Rollup Doors 10' * 10'	1	ea	4.0000	8	21.48					$179				$179
C+	Windows & Louvers	1	ea	0.6310	1	21.48					$28				$28
C+	Ceiling Tile	400	sf	0.0110	9	21.48					$196				$196
C+	Dry Wall partitions	4,225	sf	0.0115	101	21.48					$2,169				$2,169
C+	Metal Studs		lf	0.0050		21.48									
C+	Concrete Wall	50	cy	0.5000	52	21.48					$1,116				$1,116
C+	Concrete Other	15	cy	0.5000	16	21.48					$335				$335
C+	Equipment Exchangers	1	ton	5.0000	10	21.48					$223				$223
C+	Equipment - Large (Machinery)	3	ton	4.8000	30	21.48					$643				$643
C+	Electrical Conduit 4" &<	1,440	lf	0.0033	10	21.48					$212				$212
C+	Electrical Fixtures	188	ea	0.3200	125	21.48					$2,685				$2,685
C+	Electrical Box	24	ea	0.5000	25	21.48					$536				$536
C+	Electrical Transformers (Large)	2	ton	2.5000	10	21.48					$223				$223
C+	Mineral Wool Insulation	225	cf	0.0240	11	21.48					$241				$241
C+	Pipe 4" & <	1,740	lf	0.0400	145	21.48					$3,106				$3,106
C+	Structural Steel	11,908	lbs	0.0006	15	21.48					$332				$332
C+	Transite Roof	5,454	sf	0.0300	340	21.48			0.08		$7,303		$436		$7,739
C+	Transite Siding	4,678	sf	0.0150	146	21.48			0.08		$3,132		$374		$3,506
C+	Encapsulation	10,800	sf	0.0060	135	21.48			0.40		$2,892		$4,320		$7,212
	Total				2,404						$51,640	$1,380	$5,830		$58,850

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.W C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	Plant 8 Pipe Rack														
C	Area Prep.	98	mh	1.0000	180	21.48					$3,863				$3,863
C	Piping 4" and < (ACM)	5,479	lf	0.1420	1,435	21.48			0.65		$30,828		$3,561		$34,389
C	Piping 5" through 8" (ACM)	2,312	lf	0.1600	682	21.48			0.65		$14,657		$1,503		$16,160
mC	Pipe 4" & <	3,428	lf	0.0400	241	21.48					$5,183				$5,183
mC	Pipe 6" through 12"	1,028	lf	0.1600	289	21.48					$6,218				$6,218
mC	Pipe 6" through 12"	2,658	lf	0.1600	748	21.48					$16,076				$16,076
mC	Electrical Conduit 4" &<	5,000	lf	0.0033	29	21.48					$624				$624
mC	Electrical Box	3	ea	0.5000	3	21.48					$57				$57
mC	Electrical Fixtures	8	ea	0.3200	5	21.48					$97				$97
mC	Electrical Conduit 4" &<	3,500	lf	0.0033	20	21.48					$437				$437
	Subtotal				3,633						$78,040		$5,060		$83,100
	Pipe Rack N-S "A" St Liq Storage														
C	Piping 4" and < (ACM)	1,064	lf	0.1420	279	21.48			0.65		$5,987		$692		$6,679
mD	Pipe 4" & <	284	lf	0.0400	15	21.48					$331				$331
mD	Pipe 4" & <	285	lf	0.0400	15	21.48					$332				$332
mD	Electrical Conduit 4" &<	919	lf	0.0033	4	21.48					$88				$88
mD	Structural Steel	19,260	lbs	0.0006	16	21.48					$351				$351
	Subtotal				330						$7,090		$690		$7,780
	Pipe Rack E-W 1st St E Warehouse														
mC	Area Prep.	39	mh	1.0000	69	21.48					$1,488				$1,488
mC	Pipe 4" & <	25	c	0.0400	2	21.48					$38				$38
mC	Electrical Conduit 4" &<	1,020	lf	0.0033	6	21.48					$127				$127
C+	Piping 4" and < (ACM)	1,714	lf	0.1420	506	21.48			0.65		$10,863		$1,114		$11,977
mC	Structural Steel	58,100	lbs	0.0006	64	21.48					$1,373				$1,373
	Subtotal				647						$13,890		$1,110		$15,000
	Pipe Rack E-W 2nd St N of Plant 2														
C+	Piping 4" and < (ACM)	1,731	lf	0.1420	511	21.48			0.65		$10,971		$1,125		$12,096
mC	Pipe 4" & <	2,315	lf	0.0400	163	21.48					$3,500				$3,500
mC	Electrical Conduit 4" &<	350	lf	0.0033	2	21.48					$44				$44
mC	Structural Steel	15,075	lbs	0.0006	17	21.48					$356				$356
	Subtotal				692						$14,870		$1,130		$16,000

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~8~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	Pipe Rack N-S "B" St. E of Plant 2														
C+	Piping 4" and < (ACM)	948	lf	0.1420	280	21.48			0.65		$6,008		$616		$6,624
C+	Piping 5" through 8" (ACM)	1,127	lf	0.1600	375	21.48			0.65		$8,048		$733		$8,781
C+	Piping 18" and > (ACM)	1,020	sf	0.1960	415	21.48			0.25		$8,923		$255		$9,178
mC	Pipe 4" & <	3,752	lf	0.0400	264	21.48					$5,673				$5,673
mC	Pipe 6" through 12"	565	lf	0.1600	159	21.48					$3,417				$3,417
mC	Pipe 14" & >	243	lf	0.2670	114	21.48					$2,453				$2,453
mC	Electrical Conduit 4" &<	1,740	lf	0.0033	10	21.48					$217				$217
mC	Structural Steel	16,875	lbs	0.0006	19	21.48					$399				$399
	Subtotal				1,636						$35,140		$1,600		$36,740
	Pipe Rack (S.side of Bld 45, W. and S. to Boiler)														
mC	Pipe 4" & <	1,550	lf	0.0400	109	21.48					$2,344				$2,344
mC	Pipe 6" through 12"	1,595	lf	0.1600	449	21.48					$9,647				$9,647
mC	Structural Steel	34,500	lbs	0.0006	38	21.48					$815				$815
	Subtotal				596						$12,810				$12,810
	Pipe Rack Plant 5 E-W on 2nd St.														
mC	Area Prep.	65	mh	1.0000	114	21.48					$2,457				$2,457
C+	Piping 5" through 8" (ACM)	1,380	lf	0.1600	459	21.48			0.65		$9,855		$897		$10,752
C+	Piping 18" and > (ACM)	2,579	sf	0.1960	1,050	21.48			0.25		$22,561		$645		$23,206
mC	Electrical Conduit 4" &<	1,600	lf	0.0033	9	21.48					$200				$200
mC	Electrical Box	5	ea	0.5000	4	21.48					$95				$95
mC	Pipe 4" & <	2,377	lf	0.0400	167	21.48					$3,594				$3,594
mC	Pipe 6" through 12"	275	lf	0.1600	77	21.48					$1,663				$1,663
mC	Pipe 14" & >	625	lf	0.2670	294	21.48					$6,308				$6,308
mC	Structural Steel	46,580	lbs	0.0006	51	21.48					$1,100				$1,100
	Subtotal				2,227						$47,830		$1,540		$49,370
	Pipe Rack Plant 6														
mC	Area Prep.	45	mh	1.0000	79	21.48					$1,701				$1,701
C+	Piping 4" and < (ACM)	912	lf	0.1420	269	21.48			0.65		$5,780		$593		$6,373
C+	Piping 5" through 8" (ACM)	1,523	lf	0.1600	506	21.48			0.65		$10,876		$990		$11,866
C+	Piping 10" through 12" (ACM)	350	lf	0.2275	165	21.48			0.65		$3,554		$228		$3,782
mC	Pipe 4" & <	2,730	lf	0.0400	192	21.48					$4,128				$4,128
mC	Structural Steel	55,400	lbs	0.0006	61	21.48					$1,309				$1,309
	Subtotal				1,273						$27,350		$1,810		$29,160

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.U C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

ITEM NO.			QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	Pipe Rack - East-West on 102nd St.															
C+	Piping 4" and <	(ACM)	4,866	lf	0.1420	1,436	21.48			0.65		$30,840		$3,163		$34,003
C+	Piping 5" through 8"	(ACM)	161	lf	0.1600	54	21.48			0.65		$1,150		$105		$1,255
C+	Piping 18" and >	(ACM)	914	sf	0.1960	372	21.48			0.25		$7,996		$229		$8,225
mC	Pipe 4" & <		3,217	lf	0.0400	226	21.48					$4,864				$4,864
mC	Pipe 6" through 12"		291	lf	0.1600	82	21.48					$1,760				$1,760
mC	Electrical Conduit 4" &<		4,430	lf	0.0033	26	21.48					$553				$553
mC	Structural Steel		16,860	lbs	0.0006	19	21.48					$398				$398
mC	Misc. Allowance		11	mh	1.0000	20	21.48					$425				$425
		Subtotal				2,234						$47,990		$3,500		$51,490
	Pipe Rack, Plant 3															
mC	Release Cleaning		7,500	sf	0.0030	40	21.48			0.05		$851		$375		$1,226
mC	Building Debris		79	mh	1.0000	139	21.48					$2,986				$2,986
mC	Structural Steel		6,500	lbs	0.0006	7	21.48					$154				$154
C+	Piping 4" and <	(ACM)	1,460	lf	0.1420	431	21.48			0.65		$9,253		$949		$10,202
		Subtotal				616						$13,240		$1,320		$14,560
	Pipe Rack, General Sump															
mC	Pipe 4" & <		298	lf	0.0400	21	21.48					$451				$451
C+	Piping 4" and <	(ACM)	403	lf	0.1420	119	21.48			0.65		$2,554		$262		$2,816
mC	Electrical Conduit 4" &<		270	lf	0.0033	2	21.48					$34				$34
mC	Structural Steel		6,900	lbs	0.0006	8	21.48					$163				$163
		Subtotal				149						$3,200		$260		$3,460
mD	Mobilization & Demobilization		1	ls	3611	4,899	21.48		10,904	5,496		$105,240	$10,904	$5,496		$121,640
	G-008 - Pipe Bridges Total					14,032						$406,690	$10,900	$23,520		$441,110

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~U~~C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

ITEM NO.		QTY	UNIT	MAN-HOURS Unit	MAN-HOURS Total	MAN-HOURS Rate	COST/UNIT Labor	COST/UNIT S/C	COST/UNIT Mat'l	COST/UNIT Equip	LABOR	S/C	MAT'L	EQUIP	TOTAL
	TS-08 Env Monitor Eq Storage														
mD	Building Prep.	40	mh	1.0000	54	21.48					$1,166				$1,166
mD	Mobilization & Demobilization	1	ls	93	126	21.48		280	141		$2,700	$280	$141		$3,121
mD	Doors 3' * 7'	2	ea	0.5000	1	21.48					$29				$29
mD	Rollup Doors 10' * 10'	2	ea	4.0000	11	21.48					$233				$233
mD	Windows & Louvers	4	ea	0.6310	3	21.48					$74				$74
mD	Electrical Fixtures	20	ea	0.3200	9	21.48					$187				$187
mD	Electrical Box	1	ea	0.5000	1	21.48					$15				$15
mD	Cover w/ Poly for Containmt. Wk.	16,774	sf	0.0110	250	21.48			0.08		$5,378		$1,342		$6,720
mD	Structural Steel	34,500	lbs	0.0006	29	21.48					$629				$629
mD	Roof Vent Small	3	ea	0.5100	2	21.48					$45				$45
	Total				487						$10,460	$280	$1,480		$12,220

APPENDIX " A"

PROJECT: D&D Miscellaneous Structures
ESTIMATE NC C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~.0~~C

SITE SPECIFIC

EFFICIENCY / MULTIPLIER ANALYSIS

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BM3C3~~

BFDDM

PERCENT OF INFLUENCE ON CHART MANHOURS

	40%	50%	60%	70%	80%	90%	100%	105%	110%	% OF INFLUENCE	WT'D VALUE	PROD. RESULT
CRAFT SKILL (NOTE 1)	POOR			FAIR			STD	V.GOOD	EXCELLENT	100.0%	12.0%	0.12
CRAFT AVAIL.(NOTE 1)		POOR		FAIR			STD			100.0%	8.0%	0.08
CLIMATE (NOTE 2)	SEVERE	ICE/SNOW			RAIN		+40 TO +85			90.0%	20.0%	0.18
PLANT ELEVATION		OVER 10,000FT			5,000' TO 10,000 FT		UNDER 5,000 FT			100.0%	5.0%	0.05
WORK SPACE	<---- MULTIPLE SHIFTS-			200 SF	250 SF	300 SF	350 SF			100.0%	10.0%	0.1
WORK WEEK							4-10s / 5-8s			100.0%	15.0%	0.15
50 HOUR WORK WEEK	//// MULTIPLE-SHIFT ////			OVER 7 WEEKS	3 TO 7 WEEKS	UP TO 3 WEEKS				0.0%	0.0%	0
60 HOUR WORK WEEK	//// MULTIPLE-SHIFT ////		OVER 7 WEEKS	3 TO 7 WEEKS	UP TO 3 WEEKS					0.0%	0.0%	0
SHIFTWORK 2ND SHIFT 3RD SHIFT			 3RD SHIFT		2ND SHIFT		OR ONE SHIFT ONLY			 100.0% 100.0%	 3.0% 5.0%	 0.03 0.05
PROJECT SIZE					400M MH AND UP	300M TO 400M MH	200M TO 300M MH	200M MH OR LESS		100.0%	4.0%	0.04
PLANT TYPE				REVAMP ONLY	REVAMP & NEW	NEW IN EXIST PLT	GRASS ROOTS			90.0%	8.0%	0.072
AREA/UNION INFLUENCE	STRONG		MILD		SOME		NONE			70.0%	10.0%	0.07
											100.0%	94.2%

NOTES.....
1. TURNOVER HAS BEEN CONSIDERED
2. FOR EXTERIOR WORK ONLY

EFFICIENCY (AS A % OFF CHART MANHOURS) 94.2%

MULTIPLIER - (TO BE APPLIED TO CHART M.H.'S TO OBTAIN SITE M.H.'S) 1.06

APPENDIX "B"

EFFICIENCY FACTORS

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.U.C

Fluor Fernald, Inc.

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

EXAMPLE:

STANDARD CHART MANHOURS =	NET	100
EFFICIENCY FACTORS:		
* SITE SPECIFIC (SEE APPENDIX A)	[redacted]	6.0
S/T = BASE UNIT MANHOURS		106
OVERTIME PRODUCTIVITY FACTOR (SEE DETAIL WORKSHEET BACK-UP)	0.00%	0 / 106
* TASK SPECIFIC (confined space, high elevation, congestion, etc.)	0.0%	0 / 106
* PPE SPECIFIC (Based on current data and estimating knowledge)		

	PPE LEVEL											
	D		Mod.'D'		Mod. "C"		C		C+		B	
PRODUCTIVITY HOURS		MH's	MULTIPLIER	MH's	MULTIPLIER	MH's	MULTIPLIER	MH's	MULTIPLIER			MH's
(AS A %) / ADD MH's	4.00%	4	28.00%	30	66.00%	70	74.00%	78	96.00%	102	110.00%	117
(AS A MULTIPLIER)/TOTAL HRS	1.04	110.2	1.28	135.7	1.66	176	1.74	184.4	1.96	207.8	2.10	222.6
TOTAL MULTIPLIER w/SITE PROD.	1.1024		1.3568		1.7596		1.8444		2.0776		2.226	

NOTE : Use the Default Productivity Factor of 'mC' for working in a contaminated area if the Safety Level cannot be determined.

(SEE FD FERNALD ESTIMATING SERVICES REFERENCE MANUAL IM-6006 8.10)

Total hours worked in a specific PPE level divided by 10 hour working days = (PPE) ManDays to determine material cost of PPE's.
(SEE APPENDIX C - HEALTH PHYSICS)

11.0	Man Days	14.0	Man Days	18.0	Man Days	18.0	Man Days	21.0	Man Days	22.0	Man Days

THESE EFFICIENCY FACTORS WERE APPLIED INDIVIDUALLY THROUGHOUT THE ESTIMATE AT A TASK SPECIFIC LEVEL, TO OBTAIN A MORE ACCURATE ACCOUNT OF OVERALL EFFICIENCY IMPACT DUE TO PPE REQUIREMENTS IN HANDLING CONTAMINATED AND HAZARDOUS WASTE.

APPENDIX "B"

EFFICIENCY FACTORS

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.~~B.0~~ C

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

PPE MULTIPLIER DEVELOPEMENT

		D	mD	mC	C	C+	B
CREW SIZE & MAKE-UP	STANDARD	7	7	7	7	7	7
	WORKER-BUDDY	0	0	0	0	0	0
	SUPPORT TEAM	0	0	0	0	0	0
	TOTAL CREW	7	7	7	7	7	7
CREW SIZE RATIO		1.00	1.00	1.00	1.00	1.00	1.00
AVAILABLE WORK TIME FACTOR		0.96	0.78	0.7	0.7	0.68	0.68
PPE LABOR PRODUCTIVITY FACTOR		1	1	0.86	0.82	0.75	0.70
NET PRODUCTIVITY RATIO		0.96	0.78	0.602	0.574	0.51	0.476
NET PRODUCTIVITY MULTIPLIER		1.04	1.28	1.66	1.74	1.96	2.10

These factors were based on Tables 6.1 and 6.2, Moderate Work Efforts, 66F to 85F temperature of 'Hazardous Waste Cost Control' by R.A.Selg.
Modifications were made to reflect a 10 hour work day and no buddy system or support team for levels D, mC and C.
The worker-buddy and support team members, if required, may be covered under Construction Mgmt. (Rad Techs).

AVAILABLE WORK TIME FACTOR		D	mD	mC	C	C+	B
TOTAL WORK MINUTES per 4 - 10's		600	600	600	600	600	600
ADDITN'L SITE SAFETY MEETINGS NOT INCLD	QUANTITY	1	1	1	1	1	1
	MINUTES	25	25	25	25	25	25
TOTAL		25	25	25	25	25	25
PPE DON & DOFFING	QUANTITY	0	0	3	3	3	3
(ADJUST LEVEL D per WORK PLAN)	MINUTES	0	0	15	15	20	20
TOTAL			0	45	45	60	60
WORK BREAKS	QUANTITY	N/A	2	2	2	2	2
(ADJUST LEVEL D per WORK PLAN)	MINUTES	N/A	15	15	15	15	15
TOTAL			30	30	30	30	30
MOBILIZATION - ROUND TRIPS	QUANTITY	N/A	4	4	4	4	4
(ADJUST LEVEL D per WORK PLAN)	MINUTES	N/A	15	15	15	15	15
TOTAL			60	60	60	60	60
COOLDOWNS PER DAY	QUANTITY	N/A	4	4	4	4	4
** (4 OUT OF 12 MONTHS) 33.33%	MINUTES	N/A	15	15	15	15	15
TOTAL			20	20	20	20	20
AIR TANK REPLACEMENT	QUANTITY	N/A	N/A	N/A	N/A	N/A	N/A
	MINUTES	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL							
AVAILABLE WORK TIME		575	465	420	420	405	405
AVAILABLE WORK TIME FACTOR		0.96	0.78	0.7	0.7	0.68	0.68

NOTE: Adjust 'Work Minutes per Day' basis to: 5 - 8's, or leave as 4 - 10's. Any other circumstances, over-ride the minutes per day.

** Assumption based on work performed in May, June, July & August, pro-rating cost over one year. Adjust % to individual circumstances.

PPE Level Descriptions

"D"	For work outside the controlled zone. No special dress out required.
"mD"	For work inside the controlled zone. No special dress out required.
"mC"	For work inside the controlled zone. Single PPE dress out required, no respirator.
"C"	For work inside the controlled zone. Single PPE dress out required, with respirator.
"C+"	For work inside the controlled zone. Double PPE dress out required, with respirator.
"B"	For work inside the controlled zone. Double PPE dress out required, outer layer is fire retard Nomex, with breathable air supply.

APPENDIX "C"

HEALTH PHYSICS

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.4 C

DATE: 12-May-01
MATOR: EL/JW
TION: Fernald
NO.: ~~BMSC3~~

Fluor Fernald, Inc.

BFDDM

PPE"s - PERSONAL PROTECTIVE EQUIPMENT

DESCRIPTION	UNIT	UNIT COST	* NO. OF CHANGE OUTS PER WORKER PER DAY	MAN DAYS	MAT'L.$'s	PPE LEVEL	
			Man Days (TOTAL HOURS worked in PPE's Div. by WORK HOURS / DAY)				
PPE LEVEL C / C+ / B : F/HF MASK w/RESP.&CART.			*	MAN DAYS	MAT'L.$'s	PPE LEVEL	
TYVEK COVER-ALL w/HOOD & BOOTIES - DISPOSABLE	EA	$3.22	3	1510	$14,604	C / C+/ B/ B+	
BREATHABLE WATERPROOF OUTER WARE- DISPOSABL	EA	$25.95	3	1079	$83,967	C+/ B	(DOUBLE PPE)
GLOVE LINER - DISPOSABLE	PR	$0.24	3	1510	$1,087	C / C+/ B/ B+	
GLOVE, LASTEX - DISPOSABLE	PR	$0.26	3	1510	$1,178	C / C+/ B/ B+	
GLOVE, WORK - DISPOSABLE	PR	$1.02	3	1510	$4,622	C / C+/ B/ B+	
APR CARTRIDGES - DISPOSABLE	PR	$7.16	3	1510	$32,443	C / C+/ B/ B+	
SUB-TOTAL		$37.85	3		$137,901		
				$/MD =	$0.00		

PPE LEVEL mC : FULL DRESS w/ FACE SHIELD				MAN DAYS	MAT'L.$'s	PPE LEVEL
LT.WT. DISPOSABLE COVERALLS W/HOOD & BOOTIES	PR	$3.22	3	1428	$13,806	mC
GLOVE LINER - DISPOSABLE	PR	$0.24	3	1428	$1,028	mC
GLOVE, LASTEX - DISPOSABLE	PR	$0.26	3	1428	$1,114	mC
GLOVE, WORK - DISPOSABLE	PR	$1.02	3	1428	$4,369	mC
SUB-TOTAL		$4.74	3		$20,317	
				$/MD =	$14.23	

PPE LEVEL mD :				MAN DAYS	MAT'L.$'s	PPE LEVEL
COTTON BLUE COVERALLS - WASHABLE	EA	$0.00	1	2563	$0	mD
GLOVE LINER - DISPOSABLE	PR	$0.24	1	2563	$615	mD
GLOVE, LASTEX - DISPOSABLE	PR	$0.26	1	2563	$666	mD
GLOVE, WORK - DISPOSABLE	PR	$1.02	1	2563	$2,614	mD
SUB-TOTAL		$1.52	1		$3,895	
				$/MD =	$0.00	

SUBCONTRACTOR REQUIRED PURCHASES			QTY. PER WKR.	NO. OF WORKERS	MAT'L.$'s	PPE LEVEL
RUBBER BOOT COVERS-(1)PR.PER WORKER	PR	$12.70	1	0	$0	D/C/B
				0	$0	
				0	$0	
NOMEX FIRE RETARD OUTERWARE ($89.00, 10 USES)	EA	$8.90	3	0	$0	B+
COOL VESTS	EA	$137.50	1	0	$0	C/B
				0	$0	
SUB-TOTAL					$0	

	MAT'L.$'s
TOTAL PPE's =	$162,100

(FORWARD TO PAGE 2 OF 2)

OTHER PPE's SUCH AS HARD HAT, SAFETY GLASSES/GOGGLES, STEEL TOED SAFETY SHOES, HEARING PROTECTION, ARE CONSIDERED THE SUBCONTRACTORS RESPONSIBILITY AND ARE COVERED IN HIS OVERHEAD EXPENSE. THE COST TO SUPPLY & MAINTAIN FLUOR FERNALD SUPPLIED PPE's WILL BE BUDGETED BY THE PROJECTS.

APPENDIX "C"

HEALTH PHYSICS

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~D~~ C

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BEDDM

--MEDICAL MONITORING --

MEDICAL - PHYSICAL and IN-VIVO MONITORING - LOST WORKER TIME for RAD II WORKERS ONLY

DESCRIPTION PHYSICAL (3hrs), IN-VIVO (1hr)	QTY	HRS	WKR	TOTAL HOURS	AVG. LABOR RATE	TOTAL LABOR $
BASELINE PHYSICALS	1	4	8	32	$24.31	$780
ANNUAL PHYSICALS	4	4	8	128	$24.31	$3,110
EXIT (TERMINATION) PHYSICALS (IN-VIVO)	1	1	8	8	$24.31	$190
SUB-TOTAL						$4,080

RADIATION IN-VITRO SURVEILLANCE - LOST WORKER TIME for RAD II WORKERS ONLY

DESCRIPTION	QTY	HRS	WKR	TOTAL HOURS	AVG. LABOR RATE	TOTAL LABOR $
BI-MONTHLY BIOASSAY	24	1	8	192	$24.31	$4,670
SUB-TOTAL						$4,670

RANDOM DRUG TESTING

	TESTS	HRS	TOTAL HOURS	AVG. RATE	LABOR $'s
	17	2	34	$24.31	$800

NO. OF WKRS. TESTED	TESTING DAYS PER YR.	AVG. NO. OF TESTS PER DAY	CHANCE/ DAY FOR TEST	NO. OF WKRS. FOR THIS ESTIMATE	CHANCES /DAY FOR TEST FOR PROJECT	CONSTR WORKING DAYS
2340	226	10	0.0042735	4.5	0.0192	905

		LABOR $'s THRU SAFETY	LABOR $'s
WORK DELAYS CAUSED BY MONITORING	0.0%	$1,622,970	$0
			LABOR $'s
WORK DELAYS CAUSED BY RAD CHECKING	0.0%	$1,622,970	$0

	TOTAL LABOR	TOTAL MAT'L.	GRAND TOTAL
TOTAL HEALTH PHYSICS	$9,600	$162,100	$171,700

(FORWARD TO ESTIMATE SUMMARY SHEET)

APPENDIX "D"

ACTIVITY DURATIONS

Fluor Fernald, Inc.

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO. C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.~~U~~ C

DATE: 12-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

ACTIVITY	EST. DATE	START DATE	MID POINT	COMPL. DATE	ACTIVITY	DURATION
CONSTRUCTION:	10-Jan-01	01-Oct-04	01-Oct-06	30-Sep-08	48.0	MONTHS
						MONTHS
TOTAL					48.0	MONTHS

	DATE of EST. to MID-POINT ACTIVITY DURATION	
a.	68.8	MONTHS
b.		MONTHS

ACTIVITY	EST. DATE	START DATE	MID POINT	COMPL. DATE	ACTIVITY	DURATION
OPERATIONS						MONTHS

DATE of EST. to MID-POINT ACTIVITY DURATION	
	MONTHS

ACTIVITY DURATION IS USED IN DETERMINING NUMBER of WORKERS for CERCLA/SAT TRAINING HOURS and HEALTH PHYSICS COSTS.

APPENDIX "E"

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.V C

Fluor Fernald, Inc.

DATE: 13-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~

BFDDM

MISCELLANEOUS STRUCTURES				Type
T23	10 Plex	Admin. Complex	Oct. 2005	10 Plex
			10 Plex Count	1
T1	FDF	Admin. Complex	Oct. 2005	4 Plex
T93	Radiation Control Unit Quad	Plant 1 Complex - Phase II	Oct. 2006	4 Plex
T94	Radiation Control Unit Quad	Plant 6 Complex	Oct. 2007	4 Plex
T95	Radiation Control Unit Quad	Plant 5 Complex	Oct. 2007	4 Plex
			4 Plex Count	4
T24	7 Plex North	Admin. Complex	Oct. 2005	7 Plex
T25	7 Plex South	Admin. Complex	Oct. 2006	7 Plex
			7 Plex Count	2
T18	Break Trailer	Admin. Complex	Oct. 2005	Double
T35	FDF	OU5 Complex	Oct. 2006	Double
T43	Restoration	Maint./Tank Farm Complex	Oct. 2006	Double
T44	FDF Maintenance	Plant 1 Complex - Phase II	Oct. 2008	Double
T45	Environmental Monitoring	Admin. Complex	Oct. 2008	Double
T46	Environmental Monitoring	Admin. Complex	Oct. 2006	Double
T57	Rad Safety	Admin. Complex	Oct. 2006	Double
T58	Construction Office	Admin. Complex	Oct. 2006	Double
T82	Capital Project	Admin. Complex	Oct. 2006	Double
T83	Capital Project	Admin. Complex	Oct. 2006	Double
T84	Capital Project	Admin. Complex	Oct. 2006	Double
T85	Capital Project	Admin. Complex	Oct. 2006	Double
T86	Capital Project	Admin. Complex	Oct. 2006	Double
T87	Capital Project	Plant 5 Complex	Oct. 2006	Double
T96	Radiation Control	General Sump Complex	Oct. 2007	Double
T117	CRU4 Construction Support Office	OU5 Complex	Oct. 2007	Double
T118	CRU4 Support Office	OU5 Complex	Oct. 2007	Double
T128	Mixed Waste	OU4 Complex	Oct. 2007	Double
T130	Breakroom	Admin. Complex	Oct. 2007	Double
T131	Breakroom	OU1 Complex	Oct. 2007	Double
T138	Southern Waste Unit Site Prep. Grp	Plant 6 Complex	Oct. 2007	Double
T139	Southern Waste Unit Site Prep. Grp	Plant 6 Complex	Oct. 2007	Double
T164	FDF Training	OU4 Complex	Oct. 2007	Double
T165	FDF Training	OU5 Complex	Oct. 2007	Double
T166	Industrial Relations	OU5 Complex	Oct. 2007	Double
T167	Industrial Relations	Admin. Complex	Oct. 2007	Double
T168	ARASA Contractor	Admin. Complex	Oct. 2007	Double
T169	ARASA Contractor	Admin. Complex	Oct. 2007	Double
T170	ARASA Contractor	Admin. Complex	Oct. 2007	Double
T171	ARASA Contractor	OU1 Complex	Oct. 2007	Double
T172	FCNDP	OU1 Complex	Oct. 2007	Double
T173	FCNDP	OU1 Complex	Oct. 2007	Double
T174	FCNDP	OU1 Complex	Oct. 2007	Double
T175	FCNDP	OU5 Complex	Oct. 2007	Double
T176	FCNDP	OU5 Complex	Oct. 2007	Double
T177	FCNDP	OU5 Complex	Oct. 2007	Double
T178	FCNDP	OU5 Complex	Oct. 2007	Double
T179	FCNDP	OU5 Complex	Oct. 2007	Double
T181	FDF Office	OU5 Complex	Oct. 2005	Double
T182	FDF Office	OU5 Complex	Oct. 2005	Double
T183	FDF Office	OU5 Complex	Oct. 2005	Double
T305	Environmental Monitoring	OU5 Complex	Oct. 2008	Double
T320	ARASA Laun./Resp. wash facility	Plant 1 Complex - Phase II	Oct. 2005	Double
T540	Triplex - Porter Breakroom	Plant 1 Complex - Phase II	Oct. 2005	Double
			Double Count	44
T2	Rad Safety	Admin. Complex	Oct. 2005	Single
T3	Wise Construction	Admin. Complex	Oct. 2005	Single
T4	FDF Training	Admin. Complex	Oct. 2005	Single
T5	FDF Construction	Admin. Complex	Oct. 2005	Single
T6	Restrooms	Admin. Complex	Oct. 2005	Single
T7	FDF	Admin. Complex	Oct. 2005	Single
T8	Wise Construction	Admin. Complex	Oct. 2005	Single
T12	CRU4 (DLS)	OU4 Complex	Oct. 2008	Single
T17	FDF	Admin. Complex	Oct. 2005	Single

APPENDIX "E"

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B.5C

Fluor Fernald, Inc.

DATE: 13-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

T19	Rad Safety	Admin. Complex	Oct. 2005	Single
T26	Waste Management	Plant 1 Complex - Phase II	Oct. 2006	Single
T29	Computer	Admin. Complex	Oct. 2006	Single
T30	Computer	Admin. Complex	Oct. 2006	Single
T33	Shipping Office	OU1 Complex	Oct. 2006	Single
T34	FDF	Plant 1 Complex - Phase II	Oct. 2006	Single
T36	Heavy Equip. Operators	Admin. Complex	Oct. 2006	Single
T40	Thorium Overpack	Admin. Complex	Oct. 2006	Single
T41	Waste Certification (QA)	Admin. Complex	Oct. 2006	Single
T42	Respirator Washing Facility	Admin. Complex	Oct. 2006	Single
T49	Bio-Assay Semi-Trailer	Admin. Complex	Oct. 2006	Single
T50	Rad Safety	Admin. Complex	Oct. 2006	Single
T59	FDF Waste Management	Admin. Complex	Oct. 2006	Single
T60	DOE Field Office	Admin. Complex	Oct. 2006	Single
T61	Startup Group	Admin. Complex	Oct. 2006	Single
T62	Startup Group	Admin. Complex	Oct. 2006	Single
T65	Plant 1 Pad MC&A Office	Plant 1 Complex - Phase II	Oct. 2006	Single
T67	Rad. Tech.	Admin. Complex	Oct. 2006	Single
T69	Control Point - RIMIA	Plant 1 Complex - Phase II	Oct. 2006	Single
T71	Safe Shutdown	E. Warehouse Complex	Oct. 2006	Single
T72	Safe Shutdown	OU1 Complex	Oct. 2006	Single
T75	Multimedia Services	E. Warehouse Complex	Oct. 2006	Single
T89	WPA Mens Changeout	Plant 5 Complex	Oct. 2006	Single
T90	WPA Womens Changeout	Plant 5 Complex	Oct. 2006	Single
T91	WPA Mens Changeout	Plant 5 Complex	Oct. 2006	Single
T92	WPA Breakroom	OU4 Complex	Oct. 2006	Single
T97	FDF Office (CRU4)	OU5 Complex	Oct. 2007	Single
T98	OSDF	OU4 Complex	Oct. 2007	Single
T100	FDF Office	OU5 Complex	Oct. 2007	Single
T103	Storage	OU4 Complex	Oct. 2007	Single
T108	IAWWTF	Admin. Complex	Oct. 2007	Single
T109	IAWWTF	Admin. Complex	Oct. 2007	Single
T119	Restrooms	OU5 Complex	Oct. 2007	Single
T121	FDF Office	OU4 Complex	Oct. 2007	Single
T122	Storage	OU4 Complex	Oct. 2007	Single
T132	Kelchner Office	Plant 6 Complex	Oct. 2007	Single
T135	Boiler Maintenance	OU1 Complex	Oct. 2007	Single
T141	Maintenance Storage	OU5 Complex	Oct. 2007	Single
T142	Maintenance Storage	OU5 Complex	Oct. 2007	Single
T186	OSDF Office Trailer	Admin. Complex	Oct. 2007	Single
T191	Breakroom/Cooldown	Admin. Complex	Oct. 2007	Single
T301	IT Corp.	Admin. Complex	Oct. 2007	Single
T306	Environmental Monitoring	OU4 Complex	Oct. 2007	Single
T312	Cell 1 Personal Cool Down	OU1 Complex	Oct. 2005	Single
T315	ARASA Laboratory Office	OU5 Complex	Oct. 2005	Single
T316	ARASA Laboratory "A"	OU5 Complex	Oct. 2005	Single
T317	ARASA Laboratory "B"	OU5 Complex	Oct. 2005	Single
T318	ARASA MHB/RCLO Pow. Mod. Bld	OU1 Complex	Oct. 2005	Single
T319	ARASA Breakroom	Admin. Complex	Oct. 2005	Single
T321	ARASA MHB Rad. Cont. Trailer	Plant 8 Complex	Oct. 2005	Single
T322	ARASA Supervisor's Office	Plant 8 Complex	Oct. 2005	Single
T323	ARASA Control Room	Plant 8 Complex	Oct. 2005	Single
T325	ARASA GCS/WTS Pow. Mod. Bldg	Plant 1 Complex - Phase II	Oct. 2005	Single
T326	ARASA Cont. Emissions Mon. Tr.	Admin. Complex	Oct. 2005	Single
T327	Weigh Scale Ticket Office	Plant 8 Complex	Oct. 2005	Single
T330	Doffing Trailer	Admin. Complex	Oct. 2005	Single
T505	Facilities Shutdown Break Trailer	Admin. Complex	Oct. 2005	Single
T506	Office	Admin. Complex	Oct. 2005	Single
T512	Break-M. Ravenscraft	OU5 Complex	Oct. 2005	Single
T513	Construction Coordinators	OU5 Complex	Oct. 2005	Single
T514	Construction (Conference Room)	General Sump Complex	Oct. 2005	Single
T520	S&W Office	General Sump Complex	Oct. 2008	Single
T603	Storage - Semi Trailer	OU5 Complex	Oct. 2005	Single
T604	Maintenance Storage Semi Trailer	OU5 Complex	Oct. 2005	Single
T608	Break Trailer - Waste Management	OU5 Complex	Oct. 2005	Single

APPENDIX "E"

PROJECT: D&D Miscellaneous Structures
ESTIMATE NO.: C3-2001-05-015
CLIENT: DOE
WBS NO.: 1.1.B~~U~~C

Fluor Fernald, Inc.

DATE: 13-May-01
ESTIMATOR: EL/JW
LOCATION: Fernald
TASK NO.: ~~BMSC3~~

BFDDM

			Single Count	74
T66	RIMIA Tri-Plex	OU4 Complex	Oct. 2006	Tri Plex
T313	ARASA Admin. Office "A"	OU5 Complex	Oct. 2005	Tri Plex
T314	ARASA Admin. Office "B"	OU5 Complex	Oct. 2005	Tri Plex
			Tri Plex Count	3
5F	Plant 5 Covered Storage Pad	Pit. 5 Complex (Contract optio	Oct. 2004	
12E	Maintenance Laborer Storage Bldg.	OU5 Complex	Oct. 2007	
12F	Maintenance Laborer Storage Bldg.	OU5 Complex	Oct. 2007	
12G	Restored Area Maintenance Bldg.	OU5 Complex	Oct. 2007	
16B	Electrical Substation	Electrical Station Complex	Oct. 2005	
16C	Electrical Panels & Transformer	Electrical Station Complex	Oct. 2005	
16F	Trailer Substation #1	Electrical Station Complex	Oct. 2005	
16G	Trailer Substation #2	Electrical Station Complex	Oct. 2005	
16H	10 Plex's North Substation	Admin. Complex	Oct. 2008	
16J	10 Plex's South Substation	Admin. Complex	Oct. 2008	
20E	Well House #1	Liquid Storage Complex	Oct. 2007	
20F	Well House #2	Liquid Storage Complex	Oct. 2007	
20G	Well House #3	Liquid Storage Complex	Oct. 2007	
22B	Storm Sewer Lift Station	Liquid Storage Complex	Oct. 2005	
22D	Scale House & Weigh Scale	Liquid Storage Complex	Oct. 2005	
23	Meteorological Tower	Admin. Complex	Oct. 2007	
25C	Sewage Lift Station Bldg.	OU5 Complex	Oct. 2007	
25J	10 Plexs Sewage Lift Station	Admin. Complex	Oct. 2007	
26C	Main Elect. Substation Riser/Strainer Hous	Electrical Station Complex	Oct. 2007	
28E	Guard Post at OSDF South Entrance (form	Admin. Complex	Oct. 2004	
28G	Guard Post NW of Bldg. 45 (T327)	Admin. Complex	Oct. 2004	
28H	Guard Post South of K-65 Area	OU5 Complex	Apr. 2008	
28J	Security Checkpoint (South Access Rd.)	Admin. Complex	Oct. 2005	
28K	Security Checkpoint (E. Park. Lot)	Admin. Complex	Oct. 2007	
28L	Guard Post (N. Const. Access Rd)	Admin. Complex	Oct. 2007	
28M	Guard Post on "F" Street	Admin. Complex	Oct. 2007	
30D	Sampling Line Processing	Admin. Complex	Oct. 2005	
50	Maintenance Storage Building	Admin. Complex	Oct. 2007	
52A	RTRAK Building	Admin. Complex	Oct. 2008	
52B	ASTD SCEP Building	Admin. Complex	Oct. 2008	
60	Quonset Hut # 1	Plant 1 Complex - Phase II	Oct. 2005	
61	Quonset Hut # 2	Plant 1 Complex - Phase II	Oct. 2005	
62	Quonset Hut # 3	Plant 1 Complex - Phase II	Oct. 2005	
64	Thorium Warehouse	Maint./Tank Farm Complex	Oct. 2004	
65	Old Plant 5 Warehouse	Maint./Tank Farm Complex	Oct. 2004	
68	Pilot Plant Warehouse	Pilot Plant Complex	Oct. 2007	
93A	Southwest Boiler House	OU5 Complex	Oct. 2005	
G-008	Pipe Bridges	Various complexes	Oct. 2005	
TS-08	Environ. Monitor. Equip. Storage	Admin. Complex	Oct. 2007	
MISCELLANEOUS STRUCTURES (Continued)				
T68	CRU1 Office	Admin. Complex	Oct. 2006	
T74	ARASA Changeout Facility	OU1 Complex	Oct. 2006	
T127	OEPA (Part of T68)	0U4 Complex	Oct. 2007	
T129	OEPA (Part of T68)	0U4 Complex	Oct. 2007	
MISCELLANEOUS STRUCTURES (Continued)				
T502	IT Corp. ARASA	OU4 Complex	Oct. 2005	
T529	Storage	OU5 Complex	Oct. 2005	
			Grand Count	128
Storage	OU5 Complex	Oct. 2005		
		Grand Count	178	

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B~~U~~ C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ ~~[illegible]~~ BFDDM

6278750

Base Estimate Total	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	0.00									
$6,278,750	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$0	Base $	$0	Base $	$0	Base $	$0	Base $	$0
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor										
Material Pricing										
Equipment Rental										
Subcontract $'s										
Quantity Variation										
Contamination										
Environmental										
Schedule										
Project Definition										
Range - %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Range - $	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Distribution	U		U		U		U			
Correlation Rank										

[illegible]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	0.00									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$0	Base $	$0	Base $	$0	Base $	$0	Base $	$0
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	15%								
Material Pricing					-3%	12%			-2%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-5%	20%						
Quantity Variation	-5%	12%			-3%	12%			-2%	8%
Contamination	-3%	8%			-3%	10%			-2%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-13%	35%	-5%	20%	-9%	34%	-5%	20%	-6%	24%
Range - $	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Distribution	U									
Correlation Rank										

Analyst: _____

Client: [signature]

COST IMPACT MATRIX SHEET

Fluor Fernald, Inc.

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.0 C

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	0.00									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$0	Base $	$0	Base $	$0	Base $	$0	Base $	$0
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-5%	20%						
Quantity Variation	-3%	12%			-3%	10%			-3%	8%
Contamination	-3%	12%			-3%	10%	-5%	20%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-11%	44%	-5%	20%	-9%	32%	-10%	40%	-9%	24%
Range - $	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Distribution	U		U		U		U			
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	0.00		0.00		0.00		0.00		0.00	
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$0	Base $	$0	Base $	$0	Base $	$0	Base $	$0
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor										
Material Pricing										
Equipment Rental										
Subcontract $'s										
Quantity Variation										
Contamination										
Environmental										
Schedule										
Project Definition										
Range - %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Range - $	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Distribution	U				U		U			
Correlation Rank										

Analyst: _____

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Fluor Fernald, Inc.

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[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	Single Wide Trailer									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$435,200	Base $	$28,550	Base $	$48,940	Base $	$294,060	Base $	$28,850
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$369,920	$626,688	$27,694	$31,976	$44,535	$66,558	$267,595	$399,922	$26,254	$35,774
Distribution	U		U		U		U			
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	Double Wide Trailer									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$251,940	Base $	$16,530	Base $	$46,780	Base $	$170,230	Base $	$16,700
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$214,149	$362,794	$16,034	$18,514	$42,570	$63,621	$154,909	$231,513	$15,197	$20,708
Distribution	U		U		U		U			
Correlation Rank										

Analyst: _____

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COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
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Fluor Fernald, Inc.

Date: 12-May-01
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TASK NO.: ~~BMSG3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	Tri Plex Trailer									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$18,960	Base $	$1,240	Base $	$4,330	Base $	$12,810	Base $	$1,260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$16,116	$27,302	$1,203	$1,389	$3,940	$5,889	$11,657	$17,422	$1,147	$1,562
Distribution	U		U		U		U			
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	4 Plex									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$34,130	Base $	$2,240	Base $	$7,690	Base $	$23,060	Base $	$2,260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$29,011	$49,147	$2,173	$2,509	$6,998	$10,458	$20,985	$31,362	$2,057	$2,802
Distribution	U		U		U		U			
Correlation Rank										

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Fluor Fernald, Inc.

Estimate No.: C3-2001-05-015
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WBS: 1.1.B,~~C~~

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC~~3
BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	7 Plex									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$28,380	Base $	$1,860	Base $	$6,710	Base $	$19,170	Base $	$1,880
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$24,123	$40,867	$1,804	$2,083	$6,106	$9,126	$17,445	$26,071	$1,711	$2,331
Distribution	U		U		U		U			
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	10 Plex									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$19,100	Base $	$1,250	Base $	$4,760	Base $	$12,910	Base $	$1,270
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$16,235	$27,504	$1,213	$1,400	$4,332	$6,474	$11,748	$17,558	$1,156	$1,575
Distribution										
Correlation Rank										

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Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDOM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	5F - Plant 5 Covered Storage Pad									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$44,470	Base $	$2,920	Base $	$1,890	Base $	$30,040	Base $	$2,950
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$37,800	$64,037	$2,832	$3,270	$1,720	$2,570	$27,336	$40,854	$2,685	$3,658
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	12E - Maintenance Laborer Storage									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$4,280	Base $	$280	Base $	$220	Base $	$2,890	Base $	$280
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,638	$6,163	$272	$314	$200	$299	$2,630	$3,930	$255	$347
Distribution										
Correlation Rank										

Analyst: _____

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6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	12F - Maintenance Laborer Storage									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$4,280 High	Base $ Low	$280 High	Base $ Low	$220 High	Base $ Low	$2,890 High	Base $ Low	$280 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,638	$6,163	$272	$314	$200	$299	$2,630	$3,930	$255	$347
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	12G- Restored Area Maintenance									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$4,280 High	Base $ Low	$280 High	Base $ Low	$220 High	Base $ Low	$2,890 High	Base $ Low	$280 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,638	$6,163	$272	$314	$200	$299	$2,630	$3,930	$255	$347
Distribution										
Correlation Rank										

Analyst: _____

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[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	16B - Electrical Sub Station									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$59,050	Base $	$3,870	Base $	$2,490	Base $	$39,900	Base $	$3,910
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$50,193	$85,032	$3,754	$4,334	$2,266	$3,386	$36,309	$54,264	$3,558	$4,848
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	16C - Electrical Sub Station									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$6,020	Base $	$400	Base $	$220	Base $	$4,070	Base $	$400
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$5,117	$8,669	$388	$448	$200	$299	$3,704	$5,535	$364	$496
Distribution										
Correlation Rank										

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	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	16F - Electrical Sub Station									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$4,860 High	Base $ Low	$320 High	Base $ Low	$220 High	Base $ Low	$3,280 High	Base $ Low	$320 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$4,131	$6,998	$310	$358	$200	$299	$2,985	$4,461	$291	$397
Distribution										
Correlation Rank										

	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	16G - Electrical Sub Station									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$5,890 High	Base $ Low	$390 High	Base $ Low	$220 High	Base $ Low	$3,980 High	Base $ Low	$390 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$5,007	$8,482	$378	$437	$200	$299	$3,622	$5,413	$355	$484
Distribution										
Correlation Rank										

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[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	16H - 10 Plex's North Substation									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$5,200 High	Base $ Low	$340 High	Base $ Low	$220 High	Base $ Low	$3,520 High	Base $ Low	$340 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$4,420	$7,488	$330	$381	$200	$299	$3,203	$4,787	$309	$422
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	16J - 10 Plex's South Substation									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$5,200 High	Base $ Low	$340 High	Base $ Low	$220 High	Base $ Low	$3,520 High	Base $ Low	$340 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$4,420	$7,488	$330	$381	$200	$299	$3,203	$4,787	$309	$422
Distribution										
Correlation Rank										

Analyst: _____

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[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	20E - Well House #1									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$16,360 High	Base $ Low	$1,070 High	Base $ Low	$760 High	Base $ Low	$11,060 High	Base $ Low	$1,080 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$13,906	$23,558	$1,038	$1,198	$692	$1,034	$10,065	$15,042	$983	$1,339
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	20F - Well House #2									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$18,420 High	Base $ Low	$1,210 High	Base $ Low	$760 High	Base $ Low	$12,440 High	Base $ Low	$1,220 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$15,657	$26,525	$1,174	$1,355	$692	$1,034	$11,320	$16,918	$1,110	$1,513
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.~~4~~C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	20G - Well House #3									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$17,800	Base $	$1,170	Base $	$760	Base $	$12,030	Base $	$1,180
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$15,130	$25,632	$1,135	$1,310	$692	$1,034	$10,947	$16,361	$1,074	$1,463
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	22B - Storm Sewer Lift St.									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$15,130	Base $	$990	Base $	$1,410	Base $	$10,220	Base $	$1,000
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$12,861	$21,787	$960	$1,109	$1,283	$1,918	$9,300	$13,899	$910	$1,240
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.~~U~~C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	22D - Truck Scales									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$9,140	Base $	$600	Base $	$1,840	Base $	$6,180	Base $	$610
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$7,769	$13,162	$582	$672	$1,674	$2,502	$5,624	$8,405	$555	$756
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	23 - Meteorlogical Tower									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$4,000	Base $	$260	Base $	$220	Base $	$2,710	Base $	$270
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,400	$5,760	$252	$291	$200	$299	$2,466	$3,686	$246	$335
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.~~U~~C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSCS~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	25C - Sewage Lift Station									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$7,150	Base $	$470	Base $	$320	Base $	$4,830	Base $	$470
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$6,078	$10,296	$456	$526	$291	$435	$4,395	$6,569	$428	$583
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	25J - 10 Plexs Sewage Lift Station									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$61,240	Base $	$4,020	Base $	$7,150	Base $	$41,380	Base $	$4,060
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$52,054	$88,186	$3,899	$4,502	$6,507	$9,724	$37,656	$56,277	$3,695	$5,034
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.4.C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	26C - Main. Elect Substation Riser									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$21,500	Base $	$1,410	Base $	$1,410	Base $	$14,520	Base $	$1,420
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$18,275	$30,960	$1,368	$1,579	$1,283	$1,918	$13,213	$19,747	$1,292	$1,761
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28E - Guard Post OSDF S Entrance									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$3,970	Base $	$260	Base $	$220	Base $	$2,680	Base $	$260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.0 C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMS03~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28G - Guard Post NW Bldg 45									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$3,970 High	Base $ Low	$260 High	Base $ Low	$220 High	Base $ Low	$2,680 High	Base $ Low	$260 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28H - Guard Post South K-65 Area									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $ Low	$3,970 High	Base $ Low	$260 High	Base $ Low	$220 High	Base $ Low	$2,680 High	Base $ Low	$260 High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.4 C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDOM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28J - Chpoint South Access Rd									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$3,970	Base $	$260	Base $	$220	Base $	$2,680	Base $	$260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28K - Chpoint East Parking Lot									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$3,970	Base $	$260	Base $	$220	Base $	$2,680	Base $	$260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B,C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDOM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28L - Gd Post N Const Access Rd									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$3,970	Base $	$260	Base $	$220	Base $	$2,680	Base $	$260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	28M - Guard Post "F" Street									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$3,970	Base $	$260	Base $	$220	Base $	$2,680	Base $	$260
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$3,375	$5,717	$252	$291	$200	$299	$2,439	$3,645	$237	$322
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.~~5~~C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	50 - Maintenance Storage Bldg									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$10,100	Base $	$660	Base $	$430	Base $	$6,820	Base $	$670
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$8,585	$14,544	$640	$739	$391	$585	$6,206	$9,275	$610	$831
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	52A - RTRAK Building									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$6,980	Base $	$460	Base $	$320	Base $	$4,720	Base $	$460
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$5,933	$10,051	$446	$515	$291	$435	$4,295	$6,419	$419	$570
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.~~U~~C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: B~~MSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	52B - ASTD SCEP Building									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$6,980	Base $	$460	Base $	$320	Base $	$4,720	Base $	$460
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$5,933	$10,051	$446	$515	$291	$435	$4,295	$6,419	$419	$570
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	60 - Quonset Hut #1									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$19,240	Base $	$1,260	Base $	$3,790	Base $	$13,000	Base $	$1,280
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$16,354	$27,706	$1,222	$1,411	$3,449	$5,154	$11,830	$17,680	$1,165	$1,587
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Fluor Fernald, Inc.

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B~~.05~~C

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BM6C5~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	61 - Quonset Hut #2									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$19,240	Base $	$1,260	Base $	$3,790	Base $	$13,000	Base $	$1,280
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$16,354	$27,706	$1,222	$1,411	$3,449	$5,154	$11,830	$17,680	$1,165	$1,587
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	62 - Quonset Hut #3									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$27,520	Base $	$1,810	Base $	$4,980	Base $	$18,600	Base $	$1,820
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$23,392	$39,629	$1,756	$2,027	$4,532	$6,773	$16,926	$25,296	$1,656	$2,257
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.0 C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	64 - Thorium Warehouse									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$102,250	Base $	$6,710	Base $	$9,200	Base $	$69,090	Base $	$6,780
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$86,913	$147,240	$6,509	$7,515	$8,372	$12,512	$62,872	$93,962	$6,170	$8,407
Distribution										
Correlation Rank										

	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	65 - Old Plant 5 Warehouse									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost Drivers	Base $	$118,740	Base $	$7,790	Base $	$5,090	Base $	$80,230	Base $	$7,870
	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$100,929	$170,986	$7,556	$8,725	$4,632	$6,922	$73,009	$109,113	$7,162	$9,759
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B~~,0~~C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSC3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	68 - Pilot Plant Warehouse									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$176,770	Base $	$11,600	Base $	$63,130	Base $	$119,440	Base $	$11,720
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$150,255	$254,549	$11,252	$12,992	$57,448	$85,857	$108,690	$162,438	$10,665	$14,533
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	93A - Southwest Boilerhouse									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$146,200	Base $	$9,590	Base $	$6,280	Base $	$98,780	Base $	$9,690
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$124,270	$210,528	$9,302	$10,741	$5,715	$8,541	$89,890	$134,341	$8,818	$12,016
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

COST IMPACT MATRIX SHEET

Estimate No.: C3-2001-05-015
Project: D&D Miscellaneous Structures
Client: DOE
WBS: 1.1.B.U C

Fluor Fernald, Inc.

Date: 12-May-01
Estimator: EL/JW
Location: Fernald
TASK NO.: ~~BMSG3~~ BFDDM

6278750

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	G-008 - Pipe Bridges									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$1,392,110	Base $	$91,340	Base $	$254,690	Base $	$940,620	Base $	$92,280
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$1,183,294	$2,004,638	$88,600	$102,301	$231,768	$346,378	$855,964	$1,279,243	$83,975	$114,427
Distribution										
Correlation Rank										

[redacted]	Cost Element		Cost Element		Cost Element		Cost Element		Cost Element	
	TS-08 Env Monitor Eq Storage									
	LABOR $		S/C $		MAT'L. $		EQUIP. $		PPE $	
Cost	Base $	$35,800	Base $	$2,350	Base $	$16,030	Base $	$24,190	Base $	$2,370
Drivers	Low	High	Low	High	Low	High	Low	High	Low	High
Productivity/labor	-5%	20%								
Material Pricing					-3%	12%			-3%	8%
Equipment Rental							-5%	20%		
Subcontract $'s			-3%	12%						
Quantity Variation	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Contamination	-5%	12%			-3%	12%	-2%	8%	-3%	8%
Environmental										
Schedule										
Project Definition										
Range - %	-15%	44%	-3%	12%	-9%	36%	-9%	36%	-9%	24%
Range - $	$30,430	$51,552	$2,280	$2,632	$14,587	$21,801	$22,013	$32,898	$2,157	$2,939
Distribution										
Correlation Rank										

Analyst: _____

Client: _____

BFDDN

BLDG. 64/65 D&D

09/07/2001
10:43 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDN BLDG 64/65 D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	1,200,000.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	1,200,000.0	1,200,000.0	1,200,000.0	1,200,000.0	1,200,000.0	1,200,000.0	1,200,000.0
Yr Total Cost:	0	0	0	1,200,000	0	0	0	0	0	0
Cum Total Cost:	0	0	0	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	0	1,200,000	0	0	0	0	0	0
Cum Total Cost:	0	0	0	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDP

PILOT PLANT COMPLEX D&D

09/07/2001
10:44 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDP PILOT PLANT COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	3,428,872.1	2,571,128.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	3,428,872.1	6,000,000.1	6,000,000.1	6,000,000.1	6,000,000.1	6,000,000.1	6,000,000.1
Yr Total Cost:	0	0	0	3,428,872	2,571,128	0	0	0	0	0
Cum Total Cost:	0	0	0	3,428,872	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	0	3,428,872	2,571,128	0	0	0	0	0
Cum Total Cost:	0	0	0	3,428,872	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDQ

LIQUID STORAGE COMPLEX D&D

09/07/2001
10:45 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDQ LIQUID STORAGE COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	1,160,000.0	0.0	540,000.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	1,160,000.0	1,160,000.0	1,700,000.0	1,700,000.0	1,700,000.0	1,700,000.0	1,700,000.0	1,700,000.0
Yr Total Cost:	0	0	1,160,000	0	540,000	0	0	0	0	0
Cum Total Cost:	0	0	1,160,000	1,160,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	0	1,160,000	0	540,000	0	0	0	0	0
Cum Total Cost:	0	0	1,160,000	1,160,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BFDDS

GENERAL SUMP COMPLEX D&D

09/07/2001
10:38 AM

Fluor Fernald, Inc.

PBS: OHFN02 FACILITY D&D
WBS: 1.1.B.C D&D PROJECTS
CTRL ACCT: BFDD D&D PROJECTS
CHARGE NO: BFDDS GENERAL SUMP COMPLEX D&D
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY:
FISCAL YEAR: 2000-2010

Resource: USUBS **UNESCALATED SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** MAC **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	555,000.0	690,000.0	255,000.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	555,000.0	1,245,000.0	1,500,000.0	1,500,000.0	1,500,000.0	1,500,000.0	1,500,000.0	1,500,000.0	1,500,000.0
Yr Total Cost:	0	555,000	690,000	255,000	0	0	0	0	0	0
Cum Total Cost:	0	555,000	1,245,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Total Cost:	0	555,000	690,000	255,000	0	0	0	0	0	0
Cum Total Cost:	0	555,000	1,245,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

SECTION 1

4.0 RISK PLAN

Risk/Opportunity Identification and Analysis Form

Project: D&D Projects		PBS Number: 02	R1-F02-047		Total Baseline Dollars: (Minimum Case)						
Evaluator: M. Stevens	Date: 08.13.01	WBS Number: 1.1.6.G.3					R1-F02-047				
CAM: M. Stevens	Date: 08.13.01	Control Account Number: BFDD									
Project Task	Risk and/or Opportunity	Potential Impact	Internal Or External Driver	Impact Cost $ (Maximum Case)	Risk Impact Level	Risk Probability %	Risk Probability Level	Probable Cost $ (Likeliest Case)	Risk Critical Value	Risk Handling Strategy	
R1-F02-047											
Plant 2											
Demolition	Delay	Escalation	Internal	600,000	2	25	2	150,000	2	Accept	
Plant 3											
Demolition	Delay	Escalation	Internal	90,000	1	25	2	22,500	1	Accept	
General Sump											
Demolition	Delay	Escalation	Internal	30,000	1	25	2	7,500	1	Accept	
Plant 8											
Demolition	Delay	Escalation	Internal	240,000	2	25	2	60,000	2	Accept	
Health & Safety Building											
Demolition	Delay	Escalation	Internal	30,000	1	25	2	7,500	1	Accept	
Liquid Storage											
Demolition	Delay	Escalation	Internal	60,000	1	25	2	15,000	1	Accept	
Pilot Plant											
Demolition	Delay	Escalation	Internal	120,000	2	25	2	30,000	2	Accept	
Laboratory											
Demolition	Delay	Escalation	Internal	250,000	2	25	2	62,500	2	Accept	
Administration (includes Electrical Complex											
Demolition	Delay	Escalation	Internal	150,000	1	25	2	37,500	1	Accept	
East Warehouse											
Demolition	Delay	Escalation	Internal	50,000	1	25	2	12,500	1	Accept	
Miscellaneous Structures											
Demolition	Delay	Escalation	Internal	160,000	2	25	2	40,000	2	Accept	
Building 64/65											
Demolition	Delay	Escalation	Internal	10,000	2	25	2	2,500	2	Accept	
Plant 1 Phase II											
Demolition	Delay	Escalation	Internal	60,000	2	25	2	15,000	2	Accept	
Plant 5	none										
Plant 6	none										
		Total		1,850,000			Total	462,500			

WBS DICTIONARY
CONTROL ACCOUNT/CHARGE NUMBER

U.S. DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1. PROJECT TITLE	2. DATE OF CONTRACT
FEMP (DEFENSE)	12/01/2000

3. IDENTIFICATION NUMBER	4. INDEX LINE NO.
DE-AC24-01OH20115	23

5. WBS ELEMENT CODE	6. WBS ELEMENT TITLE
1.1.B.D	OFF-SITE DEBRIS DISPOSAL

7. APPROVED CP NO.	8. DATE OF CHANGES
NEW PER CP# FY01-0115-0002-00	08/15/2001

9. SYSTEM DESIGN DESCRIPTION	10. BUDGET AND REPORTING NUMBER
CERCLA / ACA	EW05H3020

11. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Material
Subcontracts

b. TECHNICAL CONTENT:

Includes support activities associated with the management of above-grade debris awaiting off-site treatment and/or disposition.

c. SCOPE OF WORK:

This scope of work includes all management support activities for all debris generated by above-grade D&D projects destined for treatment and/or off-site disposal. Debris management support activities included in this scope of work include, but are not limited to :

- purchasing of containers;
- delivery of empty containers to the queue area;
- debris categorization oversight and debris/container inspection;
- transportation of containers (once filled) to either interim storage, on-site treatment facility, or repackaging facility;
- treatment of mixed waste to meet off-site disposal facility waste acceptance criteria;
- additional characterization, as necessary, to demonstrate attainment of off-site disposal facility waste acceptance criiteria;
- repackaging activities for off-site disposal;
- certification/manifesting for off-site disposal;
- transportation for off-site disposal or off-site treatment.

WORK SCOPE DEFINITION
(Control Account)

1. PROJECT TITLE	2. DATE	
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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J.M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW PER CP #FY-01-0115-0002-00		10/01 - 12/08
12. TASK IDENTIFICATION (CONTROL ACCOUNT)	13. TASK DESCRIPTION (ONE LINE)	
BDFW	OFF-SITE DEBRIS DISPOSAL	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Material
Subcontracts

b. TECHNICAL CONTENT:

Includes support activities associated with the management of above-grade debris awaiting off-site treatment and/or disposition.

c. SCOPE OF WORK:

This scope of work includes all management support activities for all debris generated by above-grade D&D projects destined for treatment and/or off-site disposal. Debris management support activities included in this scope of work include, but are not limited to :

- Purchasing of containers;
- Delivery of empty containers to the queue area;
- Debris categorization oversight and debris/container inspection;
- Transportation of containers (once filled) to either interim storage, on-site treatment facility, or repackaging facility;
- Treatment of mixed waste to meet off-site disposal facility waste acceptance criteria;
- Additional characterization, as necessary, to demonstrate attainment of off-site disposal facility waste acceptance criiteria;
- Repackaging activities for off-site disposal;
- Certification/manifesting for off-site disposal;
- Transportation for off-site disposal or off-site treatment.

Project Manager	Control Account Manager	Control Team Manager

WORK SCOPE DEFINITION
(Control Account)

1. PROJECT TITLE	2. DATE	
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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J.M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW PER CP #FY-01-0115-0002-00		10/01 - 12/08
12. TASK IDENTIFICATION (CONTROL ACCOUNT)	13. TASK DESCRIPTION (ONE LINE)	
BDFW	OFF-SITE DEBRIS DISPOSAL	

14. ELEMENT TASK DESCRIPTION

d. WORK SPECIFICALLY EXCLUDED:

- Removal of underground equipment or piping (except for equipment and piping located in accessible trenches, sumps, and floor openings);
- Removal and/or demolition of concrete footers, concrete floor slabs and curbs, and concrete footers for overhead pipe racks at or below grade elevation;
- Treatment of HWMU rinse water and decontamination wastewater and final disposition of debris.
- Handling, transportation and disposition of on-site waste.
- D&D Subcontractor
- Off-site burial (other than NTS).
- D&D Project Management

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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/05 - 10/06
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW1	OFF-SITE DEBRIS DISPSL-PLT 1 PH II CMPLX	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

PLANT 1 PHASE II COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager

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1. PROJECT TITLE	2. DATE	
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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/05 - 10/06
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW1	OFF-SITE DEBRIS DISPSL-PLT 1 PH II CMPLX	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
Utility Redistribution and Facility Isolation
D&D Subcontractor
On-Site Debris Disposal
ODCs

WORK SCOPE DEFINITION
(Work Package)

1. PROJECT TITLE	2. DATE	
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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/01 - 05/04
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW2	OFF-SITE DEBRIS DISPOSAL - PLT 2 COMPLEX	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

PLANT 2 COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager
		Rodney Whitaker

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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/01 - 05/04
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW2	OFF-SITE DEBRIS DISPOSAL - PLT 2 COMPLEX	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
On-Site Debris Disposal
ODCs

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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/01 - 12/02
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW3	OFF-SITE DEBRIS DISPOSAL - PLT 3 COMPLEX	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

PLANT 3 COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager

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1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/01 - 12/02
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW3	OFF-SITE DEBRIS DISPOSAL - PLT 3 COMPLEX	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
On-Site Debris Disposal
ODCs

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1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/01 - 07/03
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW8	OFF-SITE DEBRIS DISPOSAL - PLT 8 COMPLEX	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

PLANT 8 COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager
		Rodney Whitaker

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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/01 - 07/03
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFW8	OFF-SITE DEBRIS DISPOSAL - PLT 8 COMPLEX	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
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48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/04 - 08/06
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWA	OFF-SITE DEBRIS DISPOSAL - ADMIN COMPLEX	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

ADMINISTRATION COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager

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48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
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12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWA	OFF-SITE DEBRIS DISPOSAL - ADMIN COMPLEX	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
On-Site Debris Disposal
ODCs

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3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/04 - 10/05
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWB	OFF-SITE DEBRIS DISPOSAL - LAB COMPLEX	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

LABORATORY COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager
		Rodney Whitaker

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1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/04 - 10/05
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWB	OFF-SITE DEBRIS DISPOSAL - LAB COMPLEX	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
On-Site Debris Disposal
ODCs

WORK SCOPE DEFINITION
(Work Package)

1. PROJECT TITLE	2. DATE	
FEMP (DEFENSE)	12/01/2000	Page 1

3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		01/05 - 09/05
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWE	OFF-SITE DEBRIS DISPOSAL - ELECTRICAL ST	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits)

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

ELECTRICAL COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager
		Rodney Whitaker

WORK SCOPE DEFINITION
(Work Package)

1. PROJECT TITLE	2. DATE	
FEMP (DEFENSE)	12/01/2000	Page 2

3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		01/05 - 09/05
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWE	OFF-SITE DEBRIS DISPOSAL - ELECTRICAL ST	

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
On-Site Debris Disposal
ODCs

WORK SCOPE DEFINITION
(Work Package)

1. PROJECT TITLE	2. DATE	
FEMP (DEFENSE)	12/01/2000	Page 1

3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME	
1.1.B.D	OFF-SITE DEBRIS DISPOSAL	
5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS
8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE	
EW05H3020	FACILITY D&D	
10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?		11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00		10/04 - 12/08
12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)	
BDFWM	OFF-SITE DEBRIS DISPOSAL - MISC STRUCTURES	

14. ELEMENT TASK DESCRIPTION

a. ELEMENTS OF COST:

Labor
Subcontractors
Materials

b. TECHNICAL CONTENT:

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C - Process Related Material
Waste Stream Category D - Lead
Waste Stream Category F - Acid Brick
Waste Stream Category J - (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits).

Each of these categories have specific packaging, shipping, and disposal requirements.

c. SCOPE OF WORK:

MISCELLANEOUS COMPLEX OFF-SITE DEBRIS

Category C offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off-boxes (ROBs) by a ROB transportation truck operated

Project Manager	Control Account Manager	Control Team Manager

WORK SCOPE DEFINITION
(Work Package)

1. PROJECT TITLE	2. DATE	
FEMP (DEFENSE)	12/01/2000	Page 2

3. WBS ELEMENT CODE	4. WBS ELEMENT TITLE/NAME
1.1.B.D	OFF-SITE DEBRIS DISPOSAL

5. PERFORMING DIV/DEPARTMENT CODE	6. ORIGINATOR NAME/PHONE	7. WBS ELEMENT MANAGER
48	J. M. STEVENS/5187	J.M. STEVENS

8. BUDGET AND REPORTING NUMBER	9. BUDGET TITLE
EW05H3020	FACILITY D&D

10. ORIGINAL SCOPE? / CHANGE TO WORK SCOPE? / NEW SCOPE?	11. ESTIMATED START / COMPLETION DATE
NEW SCOPE PER CP# FY01-0115-0002-00	10/04 - 12/08

12. TASK IDENTIFICATION (WORK PACKAGE)	13. TASK DESCRIPTION (ONE LINE)
BDFWM	OFF-SITE DEBRIS DISPOSAL - MISC STRUCTURES

14. ELEMENT TASK DESCRIPTION

by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

d. WORK SPECIFICALLY EXCLUDED:

D&D Project Management
D&D Subcontractor
Utility Redistribution and Facility Isolation
On-Site Debris Disposal
ODCs

SECTION 1

1.0 NARRATIVE

R1-
F02-
047

1. PROJECT TITLE: DEMOLITION AND DECONTAMINATION	2. DATE: 09/10/01	3. PBS#: 02
4. WBS ELEMENT CODE: 1.1.B.D ~~R~~.	5. WBS ELEMENT TITLE: OFF-SITE DEBRIS DISPOSAL	
6. CAM NAME/ PHONE: MIKE STEVENS/ 5187	7. CAM SIGNATURE:	
8. ORIGINAL/ CHANGE SCOPE/ PER CP#:	9. CONTROL ACCOUNT: BDFW	

SECTION 4 ~~17~~: BDFW – OFF-SITE DEBRIS DISPOSAL D&D

1.0 NARRATIVE

1.1 OVERVIEW

This work package provides for the planning, processing and transfer of D&D debris that does not meet the OSDF WAC and therefore must be disposed offsite. These materials will have been prepared by D&D Contractors in accordance with any specifications and applicable transportation guidelines prior to transfer. All debris will be managed in a manner that is consistent with the requirements of the FEMP S/RID and DOE Order 435.1. This work package is for future-generated D&D offsite debris/non-compactible waste.

1.2 ASSUMPTIONS/EXCLUSIONS

1.2.1 Assumptions

- Closure Baseline scenario 6 forms the basis for schedules and priorities.
- Offsite debris transfer from the D&D construction zone to the Plant 1 Pad or WPRAP will be performed by FAT&LC represented personnel.
- Work will be performed in full compliance with the Closure Contract S/RID.
- Funding will be made available to support the baseline as approved.
- Containers will be manufactured and delivered by vendors to support the schedule.
- NTS and Envirocare remains a viable disposal siter for offsite waste streams as planned.
- Regulatory requirements remain static during the baseline performance period.

- Materials do not require any type of criticality controls.
- None of the wastes incorporated in offsite waste streams require additional formal characterization or sampling for disposition. Existing process knowledge, sampling analysis and visual inspections will fulfill the need for characterization information.
- Prohibited articles and wastes that require treatment prior to disposition included in the work package can be effectively dispositioned through other processes included in the closure baseline, such as by utilizing existing planned RCRA treatment contracts.
- The Plant 1 Pad and WPRAP will have sufficient resources and capacity to receive and disposition offsite wastes so that no containers are required to be purchased for interim storage.
- FEMP Maintenance will provide budget for replacements and repairs of general use equipment for this work package, such as the ROB fleet and various vehicles used in the collection and processing of these wastes and containers.
- D&D offsite debris waste generation forecasts for these waste streams are reliable within +/- 5%.
- Necessary FEMP equipment is available to support operations, no rental of equipment is required.
- Debris complying with NTS or Envirocare WAC Attainment Plan requirements can be transferred to identified NTS or Envirocare Transfer Area(s).
- Delivery of accepted waste to an area identified by the Waste Generator Services Project, as a Transfer Area constitutes completion of work scope under this work package.
- Operation of WPRAP or NTS transfer area(s), associated waste staging costs, and waste placement costs are provided in Waste Generator Services Project budgets.
- Weather impacts on loading and shipping operations are typical for the FEMP.
- The sole source D&D contractor concept, to be performed by MACTEC, will be accepted by DOE by the end of July 2001 and awarded by the end of September 2001.

1.2.2 Exclusions

- Previously generated D&D offsite debris (includes: Plants 7, 4, 1, Boiler, 9, M/TF, STP, 5 and 6).
- Burial fees for NTS or Envirocare.
- Container purchase scope and budget.
- Onsite debris disposal scope and budget.
- Size reduction, packaging, movement or staging of debris not specifically associated with D&D projects as described in the D&D Closure Plans.
- SSR activities are excluded from the scope of this waste stream.

1.2.3 Government-Furnished Equipment/Services

Disposal Fees at Envirocare and NTS.

1.3 DRIVERS

- Drivers include either events (or activities) that must occur as predecessor or contemporart to the project, as well as significant requirements that must be met in the execution of the project.
- Closure Contract SRID
- Operable Unit 3 Requirements (decision and implementing documents)
- NTS WAC Attainment Plan
- DOE 435.1

1.4 PROJECT PHYSICAL DESCRIPTION

This work package provides for the transfer packaging and shipment of future generated D&D offsite debris. Previously generated D&D offsite debris is budgeted by WGS. This includes Plant 7, Plant 4, Plant1, Boiler Plant, Maintenance/Tank Farm, Plant 9, Plant5, Plant6 and other miscellaneous components

This scope includes offsite debris generated from the following D&D Complexes:

Complex	Charge Number
Administration	BDFW1
Electrical	BDFW2
General Sump	BDFW3
Plant 1 Phase II	BDFW4
Plant 2	BDFW5
Plant 3	BDFW6
Plant 8	BDFW7
Liquid Storage	BDFW8
Laboratory	BDFW9
Pilot Plant	BDFWA
East Warehouse	BDFWB
Other Structures	BDFWE

The scope of work for D&D offsite debris disposal includes the movement packaging, shipping and disposal of any D&D debris that must be disposed offsite. D&D offsite debris is divided into 4 offsite waste categories. The categories are as follows:

Waste Stream Category C – Process Related Material
Waste Stream Category D – Lead
Waste Stream Category F – Acid Brick

Waste Stream Category J – (e.g. capacitors, transformers, scabbled concrete, lead fastners, lead flashing/fastners, lead paint chips, fluorescent bulbs, ballasts, hydraulic fluid/oil/grease, sludge, soil, tires, wastewater, paint remover, and mineral spirits)

Each of these categories have specific packaging, shipping, and disposal requirements.

1.5 PROJECT PLAN/TECHNICAL SCOPE AND QUANTIFICATION

1.5.1 Task #1 - BDFW1 - Administration Complex Off-Site Debris Disposal

1) Plan/Scope - Administration Complex Off-Site Debris

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone/

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification - Administration Complex Off-Site Debris

The Administration Complex D&D includes the transfer of:

One (1) White Metal Box

This activity will take place throughout Administration Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Administration						
Cu. Yd.	0.0	2.0	0.0	0.0	0.0	2.0
Cu. Ft.	0	54	0	0	0	54.0
# Roll-Off-Boxes	0.0					0.0
# WM Boxes		0.5	0.0	0.0		0.5
# Drums					0.0	0.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 1:

Table 1
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.2 Task #2 - BDFW2 - Electrical Complex Off-Site Debris Disposal

1) Plan/Scope - Electrical Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification - Electrical Complex Off-Site Debris Disposal

The Electrical Station Complex D&D includes the transfer of:

The Electrical Station Complex D&D has no off-site debris.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Electrical Station						
Cu. Yd.	0.0	0.0	0.0	0.0	0.0	0.0
Cu. Ft.	0	0	0	0	0	0.0
# Roll-Off-Boxes	0.0					0.0
# WM Boxes		0.0	0.0	0.0		0.0
# Drums					0.0	0.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 2:

Table 2
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.3 Task #3 - BDFW3 - General Sump Complex Off-Site Debris Disposal

1) Plan/Scope – General Sump Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – General Sump Complex Off-Site Debris Disposal

The General Sump Complex D&D includes the transfer of:

- 13 Roll-Off Boxes
- 12 White Metal Boxes; and
- 26 Drum containers of debris.

This activity will take place throughout General Sump Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
General Sump						
Cu. Yd.	352.4	14.4	36.0	0.0	7.0	409.8
Cu. Ft.	9514.8	388.8	972	0	189	11064.6
# Roll-Off-Boxes	13.1					13.1
# WM Boxes		3.5	8.7	0.0		12.2
# Drums					26.3	26.3

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 3:

Table 3
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.4 Task #4 - BDFW4 - Plant 1 Phase II Complex Off-Site Debris Disposal

1) Plan/Scope – Plant 1 Phase II Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Plant 1 Phase II Complex Off-Site Debris Disposal

The Plant 1 Phase II Complex D&D includes the transfer of:

The Plant 1 Phase II Complex D&D has no offsite debris.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Plant 1 - Phase II						
Cu. Yd.	0.0	0.0	0.0	0.0	0.0	0.0
Cu. Ft.	0	0	0	0	0	0.0
# Roll-Off-Boxes	0.0					0.0
# WM Boxes		0.0	0.0	0.0		0.0
# Drums					0.0	0.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 4:

Table 4
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.5 Task #5 - BDFW5 - Plant 2 Complex Off-Site Debris Disposal

1) Plan/Scope – Plant 2 Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel.

The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Plant 2 Complex Off-Site Debris Disposal

The Plant 2 Complex D&D includes the transfer of:

- 14 Roll-Off Boxes
- 279 White Metal Boxes; and
- 131 Drum containers of debris.

This activity will take place throughout Plant 2 Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Plant 2						
Cu. Yd.	377.9	53.4	652	450	35	1,568.3
Cu. Ft.	10203.3	1441.8	17604	12150	945	42344.1
# Roll-Off-Boxes	14.0					14.0
# WM Boxes		12.9	157.2	108.5		278.5
# Drums					131.3	131.3

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 5:

Table 5
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.6 Task #6 - BDFW6 - Plant 3 Complex Off-Site Debris Disposal

1) Plan/Scope – Plant 3 Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Plant 3 Complex Off-Site Debris Disposal

The Plant 3 Complex D&D includes the transfer of:

- 8 Roll-Off Boxes
- 45 White Metal Boxes; and
- 116 Drum containers of debris.

This activity will take place throughout Plant 3 Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Plant 3						
Cu. Yd.	214.5	23.3	156.8	6	31	430.8
Cu. Ft.	5791.5	629.1	4233.6	162	837	11653.2
# Roll-Off-Boxes	7.9					7.9
# WM Boxes		5.6	37.8	1.4		44.9
# Drums					116.3	116.3

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald personnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 5:

Table 6
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.7 Task #7 - BDFW7 - Plant 8 Complex Off-Site Debris Disposal

1) Plan/Scope – Plant 8 Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel.

The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Plant 8 Complex Off-Site Debris Disposal

The Plant 8 Complex D&D includes the transfer of:

- 12 Roll-Off Boxes
- 106White Metal Boxes; and
- 113 Drum containers of debris.

This activity will take place throughout Plant 8 Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Plant 8						
Cu. Yd.	316.8	44.9	393	0	30	784.7
Cu. Ft.	8553.6	1212.3	10611	0	810	21186.9
# Roll-Off-Boxes	11.7					11.7
# WM Boxes		10.8	94.7	0.0		105.6
# Drums					112.5	112.5

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 7:

Table 7
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.8 Task #8 - BDFW8 - Liquid Storage Complex Off-Site Debris Disposal

1) Plan/Scope – Liquid Storage Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Liquid Storage Complex Off-Site Debris Disposal

The Liquid Storage Complex D&D includes the transfer of:

- 6 Roll-Off Boxes

This activity will take place throughout Liquid Storage Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Liquid Storage						
Cu. Yd.	161.8	0.0	0.0	0.0	0.0	161.8
Cu. Ft.	4368.6	0	0	0	0	4368.6
# Roll-Off-Boxes	6.0					6.0
# WM Boxes		0.0	0.0	0.0		0.0
# Drums					0.0	0.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald personnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 8:

Table 8
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.9 Task #9 - BDFW9 - Laboratory Complex Off-Site Debris Disposal

1) Plan/Scope – Laboratory Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Laboratory Complex Off-Site Debris Disposal

The Laboratory Complex D&D includes the transfer of:

One (1) Roll-Off Box

This activity will take place throughout Laboratory Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Laboratory						
Cu. Yd.	39.6	0.0	0.0	0.0	0.0	39.6
Cu. Ft.	1069.2	0	0	0	0	1069.2
# Roll-Off-Boxes	1.5					1.5
# WM Boxes		0.0	0.0	0.0		0.0
# Drums					0.0	0.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald prsonnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 9:

Table 9
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.10 Task #10 - BDFWA - Pilot Plant Complex Off-Site Debris Disposal

1) Plan/Scope – Pilot Plant Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Pilot Plant Complex Off-Site Debris Disposal

The Pilot Plant Complex D&D includes the transfer of:

- One (1) Roll-Off Box
- 396 White Metal Boxes; and
- 38 Drum containers of debris

This activity will take place throughout Pilot Plant Complex D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Pilot Plant						
Cu. Yd.	28.9	0.9	140	1500	10	1,679.8
Cu. Ft.	780.3	24.3	3780	40500	270	45354.6
# Roll-Off-Boxes	1.1					1.1
# WM Boxes		0.2	33.8	361.6		395.6
# Drums					37.5	37.5

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald personnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 10:

Table 10
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.11 Task #11 - BDFWB - East Warehouse Complex Off-Site Debris Disposal

1) Plan/Scope – East Warehouse Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – East Warehouse Complex Off-Site Debris Disposal

The East Warehouse Complex D&D includes the transfer of:

The East Warehouse Complex D&D has no offsite debris.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
East Warehouse						
Cu. Yd.						
Cu. Ft.	0	0	0	0	0	0.0
# Roll-Off-Boxes	0.0					0.0
# WM Boxes		0.0	0.0	0.0		0.0
# Drums					0.0	0.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald personnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 11:

Table 11
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

1.5.12 Task #12 - BDFWE – Other Structures Off-Site Debris Disposal

1) Plan/Scope – Other Structures Complex Off-Site Debris Disposal

Category C offsite debris will be relocated from the D&D construction zones to the waste pits roll-off-boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROB's, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone. Category D offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in white metal box containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled white metal box or drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment.

Category F offsite debris will be relocated from the D&D construction zones to the waste pits in roll-off boxes (ROBs) by a ROB transportation truck operated by FAT&LC personnel. The ROB transportation truck will pick up the filled ROBs, transport them to the waste pits and dump the contents and return the empty ROB to the D&D construction zone.

Category J offsite debris will be relocated from the D&D construction zones to the Plant 1 Pad in drum containers by a forktruck operated by FAT&LC personnel. The forktruck will pick up the filled drum containers, transport them to the Plant 1 Pad in preparation for offsite shipment

2) Quantification – Other Structures Off-Site Debris Disposal

The Miscellaneous Complex D&D includes the transfer of:

- Three (3) Roll-Off Box
- One (1) White Metal Box; and
- 30 Drum containers of debris

This activity will take place throughout Other Structure D&D activities.

Complex	Cat. C	D Lead	Cat. F	TH-C-Cat F	Cat. J	Totals
Other Structures						
Cu. Yd.	74.9	3.4	0.0	0.0	8.0	86.3
Cu. Ft.	2022.3	91.8	0	0	216	2330.1
# Roll-Off-Boxes	2.8					2.8
# WM Boxes		0.8	0.0	0.0		0.8
# Drums					30.0	30.0

Movement and packaging of D&D offsite debris will be conducted by Fluor Fernald personnel such as HAZWAT's, Heavy Equipment Operators, General Laborers, Industrial Vacuum Operators and Managerial Supervision. The duration of onsite debris activities is identified in Section 2. These personnel that are matrixed to support the project and estimated FTE's are identified in Section 3.

ODC's are provided in the Project Management Facility D&D Control Account BFDP. The materials, equipment and services that are required to support the onsite debris movement are identified in Table 12:

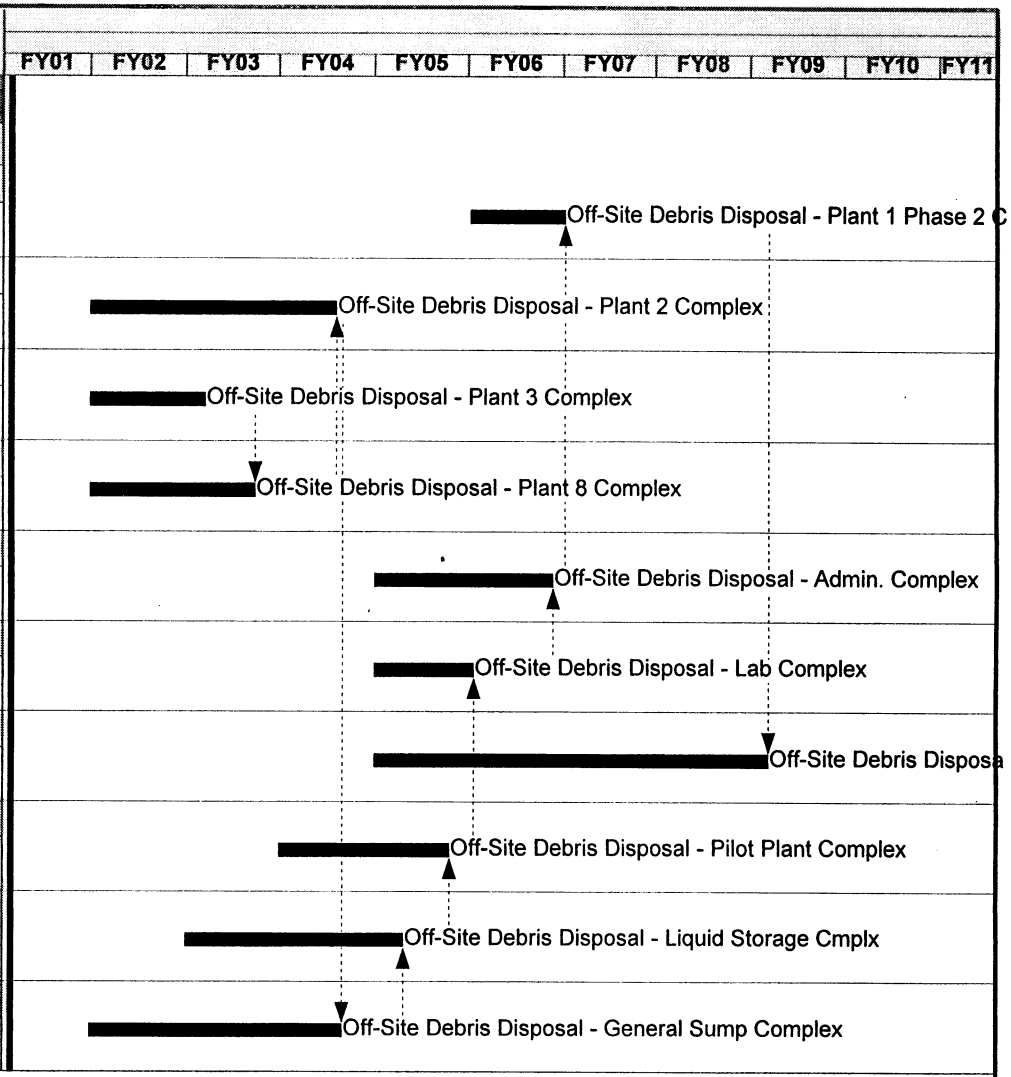
Table 12
Materials, Equipment and Services

DESCRIPTION	BASIS	COST PER PROJECT
Misc. PPE	WGS personnel	$1,000
Material	$5,000 misc allowance per project	$5,000
Equipment	FEMP Owned	$0
ODC's	Alloted in Control Account BFDP	$0

SECTION 1

2.0 SCHEDULE

Activity ID	Activity Description	Early Start	Early Finish	Orig Dur
B PBS 02 - FACILITY D&D				
1.1.B.D OFF-SITE DEBRIS DISPOSAL				
BDFW1 OFF-SITE DEBRIS DISPOSAL - PLT 1 PH II CMPLX				
BDFFWST030	Off-Site Debris Disposal - Plant 1 Phase 2 Cmplx	03OCT05	11OCT06	208
BDFW2 OFF-SITE DEBRIS DISPOSAL - PLT 2 COMPLEX				
BDFFWST035	Off-Site Debris Disposal - Plant 2 Complex	01OCT01	11MAY04	523
BDFW3 OFF-SITE DEBRIS DISPOSAL - PLT 3 COMPLEX				
BDFFWST040	Off-Site Debris Disposal - Plant 3 Complex	01OCT01	16DEC02	242
BDFW8 OFF-SITE DEBRIS DISPOSAL - PLT 8 COMPLEX				
BDFFWST045	Off-Site Debris Disposal - Plant 8 Complex	01OCT01	01JUL03	350
BDFWA OFF-SITE DEBRIS DISPOSAL - ADMIN. COMPLEX				
BDFFWST005	Off-Site Debris Disposal - Admin. Complex	04OCT04	21AUG06	380
BDFWB OFF-SITE DEBRIS DISPOSAL - LAB COMPLEX				
BDFFWST020	Off-Site Debris Disposal - Lab Complex	04OCT04	24OCT05	214
BDFWM OFF-SITE DEBRIS DISPOSAL - MISC. STRUCTURES D&D				
BDFFWST060	Off-Site Debris Disposal - Misc. Structures	04OCT04*	11DEC08	845
BDFWP OFF-SITE DEBRIS DISPOSAL - PILOT PLANT COMPLEX				
BDFFWST050	Off-Site Debris Disposal - Pilot Plant Complex	01OCT03	18JUL05	360
BDFWQ OFF-SITE DEBRIS DISPOSAL - LQD STRG CMPLX				
BDFFWST025	Off-Site Debris Disposal - Liquid Storage Cmplx	01OCT02	27JAN05	467
BDFWS OFF-SITE DEBRIS DISPOSAL - GENERAL SUMP COMPLEX				
BDFFWST015	Off-Site Debris Disposal - General Sump Complex	01OCT01	27MAY04	533



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Start Date	01DEC00
Finish Date	11DEC08
Data Date	01DEC00
Run Date	10SEP01 15:22

BLCF - BD01

Sheet 1 of 1

FACILITY D&D

1.1.B.D OFF-SITE DEBRIS DISPOSAL

Early Bar
Progress Bar
Critical Activity

Date	Revision	Checked	Approved
	D-705		
	D-861		
	R1-F02-047		

SECTION 1

3.0 MANPOWER PLANS

Manpower Planning Sheet (CR2)

MPS # 1BD01 OFFSITE DEBRIS DISPOSAL - ADMIN COMPLEX

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
206 ADMIN COMPLEX D&D		10/01/2004	07/03/2006																		xxx	xxx	xxx	xxx	xxx	xxx	xxx	x
	General Labor	Hazwat		1.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5	0.5	0	0	0
	General Labor	General Laborer		0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0
	Transportation Labor	Heavy Equipment Operator		1.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0	0	0
		Sheet Totals:		3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.30	1.30	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD01 OFFSITE DEBRIS DISPOSAL - ADMIN COMPLEX

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
206 ADMIN COMPLEX D&D		10/01/2004	07/03/2006																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD02 OFFSITE DEBRIS DISPOSAL - ELECTRICAL ST

DRIVERS	START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
216 Electrical Station (Garage/Heavy Equip. Bldg.)	01/10/2005	03/28/2005																		XXX							
217 Electrical Station (Main Electrical/Substations)	07/10/2006	09/28/2006																									XXX
General Labor	Hazwat		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD02 OFFSITE DEBRIS DISPOSAL - ELECTRICAL ST

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
216 Electrical Station (Garage/Heavy Equip. Bld		01/10/2005	03/28/2005																				
217 Electrical Station (Main Electrical/Substation		07/10/2006	09/28/2006																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD03 OFFSITE DEBRIS DISPOSAL - GEN SUMP CMPLX

DRIVERS	START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
218 General Sump Complex D&D	10/01/2001	01/07/2003						xxx	xxx	xxx	xxx	xxx	x														
219 General Sump (Elec. Power Center Bldg.)	04/01/2004	07/19/2004																xxx	x								
General Labor — Hazwat			1.60	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0
General Labor — General Laborer			1.60	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0
Transportation Labor — Heavy Equipment Operator			1.60	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0
Operations Labor — Industrial Vacuum Operator			0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management — Waste Engineer			0.80	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0
Sheet Totals:			5.60	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD03 OFFSITE DEBRIS DISPOSAL - GEN SUMP CMPLX

DRIVERS	START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
218 General Sump Complex D&D	10/01/2001	01/07/2003																				
219 General Sump (Elec. Power Center Bldg.)	04/01/2004	07/19/2004																				
General Labor	Hazwat		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD04 OFFSITE DEBRIS DISPSL - PLT 1 PH II CMPLX

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
209 PLANT 1 PHASE II D&D		10/04/2004	10/12/2005																		xxx	xxx	xxx	xxx	x			
	General Labor	Hazwat		0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0
	General Labor	General Laborer		0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		1.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
		Sheet Totals:		2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.90	0.90	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD04 OFFSITE DEBRIS DISPSL - PLT 1 PH II CMPLX

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
209 PLANT 1 PHASE II D&D		10/04/2004	10/12/2005																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD05 OFFSITE DEBRIS DISPOSAL - PLT 2 COMPLEX

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
220 Plant 2 Complex D&D		10/01/2001	04/01/2004						xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	x									
	General Labor	Hazwat		2.00	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	General Labor	General Laborer		2.00	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		2.00	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.80	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:		6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD05 OFFSITE DEBRIS DISPOSAL - PLT 2 COMPLEX

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
220 Plant 2 Complex D&D		10/01/2001	04/01/2004																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD06 OFFSITE DEBRIS DISPOSAL - PLT 3 COMPLEX

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
221 Plant 3 Complex D&D		10/01/2001	12/10/2002						xxx	xxx	xxx	xxx	xxx															
General Labor	Hazwat			1.50	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			1.50	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			1.50	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0.60	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:		5.10	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD06 OFFSITE DEBRIS DISPOSAL - PLT 3 COMPLEX

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
221 Plant 3 Complex D&D		10/01/2001	12/10/2002																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD07 OFFSITE DEBRIS DISPOSAL - PLT 8 COMPLEX

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
222 Plant 8 Complex D&D		10/01/2001	06/26/2003						xxx	xxx	xxx	xxx	xxx	xxx	xxx													
	General Labor	Hazwat		1.50	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	General Labor	General Laborer		1.50	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		1.50	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.60	0	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:		5.10	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD07 OFFSITE DEBRIS DISPOSAL - PLT 8 COMPLEX

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
222 Plant 8 Complex D&D		10/01/2001	06/26/2003																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD08 OFFSITE DEBRIS DISPOSAL - LQD STRG COMPL

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
223 Liquid Storage D&D		10/01/2002	03/31/2005										xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx							
	General Labor	Hazwat		0.40	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
	General Labor	General Laborer		0.40	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		2.00	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.80	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
		Sheet Totals:		3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.90	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD08 OFFSITE DEBRIS DISPOSAL - LQD STRG COMPL

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
223 Liquid Storage D&D		10/01/2002	03/31/2005																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD09 OFFSITE DEBRIS DISPOSAL - LAB COMPLEX

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
224 Lab Complex D&D		10/01/2004	10/31/2005																		xxx	xxx	xxx	xxx	x			
	General Labor	Hazwat		0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0
	General Labor	General Laborer		0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		0.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
		Sheet Totals:		1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.60	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD09 OFFSITE DEBRIS DISPOSAL - LAB COMPLEX

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
224 Lab Complex D&D		10/01/2004	10/31/2005																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD10 OFFSITE DEBRIS DISPOSAL - PILOT PLNT COMP

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
225 Pilot Plant Complex D&D		10/01/2003	09/27/2005														xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx				
	General Labor	Hazwat		2.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
	General Labor	General Laborer		2.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		2.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0
		Sheet Totals:		6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD10 OFFSITE DEBRIS DISPOSAL - PILOT PLNT COMP

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
225 Pilot Plant Complex D&D		10/01/2003	09/27/2005																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sheet Totals:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD11 OFFSITE DEBRIS DISPOSAL - EWC

DRIVERS		START DATE	END DATE	TOT	FY 2001 Q1	Q2	Q3	Q4	FY 2002 Q1	Q2	Q3	Q4	FY 2003 Q1	Q2	Q3	Q4	FY 2004 Q1	Q2	Q3	Q4	FY 2005 Q1	Q2	Q3	Q4	FY 2006 Q1	Q2	Q3	Q4
207 EAST WAREHOUSE D&D		10/04/2004	12/14/2004																		xxx							
	General Labor	Hazwat		0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
	General Labor	General Laborer		0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
	Transportation Labor	Heavy Equipment Operator		0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
		Sheet Totals:		0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD11 OFFSITE DEBRIS DISPOSAL - EWC

DRIVERS		START DATE	END DATE	FY 2007 Q1	Q2	Q3	Q4	FY 2008 Q1	Q2	Q3	Q4	FY 2009 Q1	Q2	Q3	Q4	FY 2010 Q1	Q2	Q3	Q4	FY 2011 Q1	Q2	Q3	Q4
207 EAST WAREHOUSE D&D		10/04/2004	12/14/2004																				
General Labor	Hazwat			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manpower Planning Sheet (CR2)

MPS # 1BD12 OFFSITE DEBRIS DISPOSAL - MISC STRUCTURES

DRIVERS		START DATE	END DATE	TOT	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
					#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er
	General Labor	Hazwat		0.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
	General Labor	General Laborer		0.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
	Transportation Labor	Heavy Equipment Operator		0.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
	Operations Labor	Industrial Vacuum Operator		0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Waste Management	Waste Engineer		1.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2
		Sheet Totals:		4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.50	0.50

Manpower Planning Sheet (CR2)

MPS # 1BD12 OFFSITE DEBRIS DISPOSAL - MISC STRUCTURES

DRIVERS	START DATE	END DATE	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
			#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er	#Er
General Labor	Hazwat		0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General Labor	General Laborer		0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Labor	Heavy Equipment Operator		0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Labor	Industrial Vacuum Operator		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management	Waste Engineer		0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sheet Totals:	0.50	0.50	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SECTION 1

4.0 ESTIMATE

BDFW1

OFF-SITE DEBRIS DISPOSAL PLT 1 PH II COMPLEX

09/07/2001
2:12 PM

Fluor Fernald, Inc.

PBS: PBS02

WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BFDW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BFDW1 OFFSITE DEBRIS DISPOSAL PLANT 1 PHS 2 COMPLEX
COMMENT NO: D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	185.3	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	185.3	185.3	185.3	185.3	185.3
Yr Total Cost:	0	0	0	0	0	6,867	0	0	0	0
Cum Total Cost:	0	0	0	0	0	6,867	6,867	6,867	6,867	6,867

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	160.3	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	160.3	160.3	160.3	160.3	160.3
Yr Total Cost:	0	0	0	0	0	6,647	0	0	0	0
Cum Total Cost:	0	0	0	0	0	6,647	6,647	6,647	6,647	6,647

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	701.5	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	701.5	701.5	701.5	701.5	701.5
Yr Total Cost:	0	0	0	0	0	30,013	0	0	0	0
Cum Total Cost:	0	0	0	0	0	30,013	30,013	30,013	30,013	30,013

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	5,813.2	186.8	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	5,813.2	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	0	0	0	0	6,667	220	0	0	0
Cum Total Cost:	0	0	0	0	0	6,667	6,888	6,888	6,888	6,888

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

INCLUDES ESCALATION COSTS

09/07/2001
2:12 PM

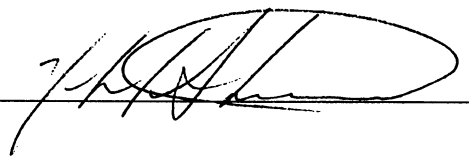
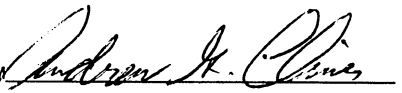
	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	2,475.5	79.5	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	2,475.5	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	0	0	0	0	2,839	94	0	0	0
Cum Total Cost:	0	0	0	0	0	2,839	2,933	2,933	2,933	2,933

Resource: WSTENG **WASTE ENGINEER** **EOC:** **LABOR**
Res Dept: **Overtime:** **Class:** **SAL**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	270.6	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	270.6	270.6	270.6	270.6	270.6
Yr Total Cost:	0	0	0	0	0	18,450	0	0	0	0
Cum Total Cost:	0	0	0	0	0	18,450	18,450	18,450	18,450	18,450

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	1,317.7	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	1,317.7	1,317.7	1,317.7	1,317.7	1,317.7
Yr Total Cost:	0	0	0	0	0	71,485	314	0	0	0
Cum Total Cost:	0	0	0	0	0	71,485	71,799	71,799	71,799	71,799

CAM  CONTROL TEAM 

INCLUDES ESCALATION COSTS

BDFW2

OFF-SITE DEBRIS DISPOSAL PLT 2 COMPLEX

09/07/2001
2:19 PM

PBS: PBS02

Fluor Fernald, Inc.

WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFW2 OFFSITE DEBRIS DISPOSAL PLANT 2 COMPLEX
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	771.4	2,260.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	771.4	3,031.6	3,031.6	3,031.6	3,031.6	3,031.6	3,031.6	3,031.6	3,031.6
Yr Total Cost:	0	20,102	62,131	0	0	0	0	0	0	0
Cum Total Cost:	0	20,102	82,232	82,232	82,232	82,232	82,232	82,232	82,232	82,232

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	231.0	673.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	231.0	904.0	904.0	904.0	904.0	904.0	904.0	904.0	904.0
Yr Total Cost:	0	7,152	21,923	0	0	0	0	0	0	0
Cum Total Cost:	0	7,152	29,074	29,074	29,074	29,074	29,074	29,074	29,074	29,074

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	231.0	673.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	231.0	904.0	904.0	904.0	904.0	904.0	904.0	904.0	904.0
Yr Total Cost:	0	7,815	23,956	0	0	0	0	0	0	0
Cum Total Cost:	0	7,815	31,771	31,771	31,771	31,771	31,771	31,771	31,771	31,771

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	2,300.6	2,300.6	1,398.8	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	2,300.6	4,601.2	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	2,363	2,427	1,517	0	0	0	0	0	0
Cum Total Cost:	0	2,363	4,789	6,306	6,306	6,306	6,306	6,306	6,306	6,306

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

09/07/2001
2:19 PM

	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	979.7	979.7	595.6	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	979.7	1,959.4	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	1,006	1,033	646	0	0	0	0	0	0
Cum Total Cost:	0	1,006	2,039	2,685	2,685	2,685	2,685	2,685	2,685	2,685

Resource: WSTENG **WASTE ENGINEER** **EOC:** **LABOR**
Res Dept: **Overtime:** **Class:** **SAL**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	88.4	261.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	88.4	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
Yr Total Cost:	0	4,748	14,860	0	0	0	0	0	0	0
Cum Total Cost:	0	4,748	19,609	19,609	19,609	19,609	19,609	19,609	19,609	19,609

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	1,321.8	3,867.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	1,321.8	5,189.2	5,189.2	5,189.2	5,189.2	5,189.2	5,189.2	5,189.2	5,189.2
Yr Total Cost:	0	43,185	126,330	2,162	0	0	0	0	0	0
Cum Total Cost:	0	43,185	169,515	171,678	171,678	171,678	171,678	171,678	171,678	171,678

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFW3

OFF-SITE DEBRIS DISPOSAL PLT 3 COMPLEX

09/07/2001
2:21 PM

Fluor Fernald, Inc.

PBS: PBS02
WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFW3 OFFSITE DEBRIS DISPOSAL PLANT 3 COMPLEX
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	713.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	713.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0
Yr Total Cost:	0	18,985	817	0	0	0	0	0	0	0
Cum Total Cost:	0	18,985	19,803	19,803	19,803	19,803	19,803	19,803	19,803	19,803

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	688.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	688.0	698.0	698.0	698.0	698.0	698.0	698.0	698.0	698.0
Yr Total Cost:	0	21,228	481	0	0	0	0	0	0	0
Cum Total Cost:	0	21,228	21,709	21,709	21,709	21,709	21,709	21,709	21,709	21,709

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	688.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	688.0	698.0	698.0	698.0	698.0	698.0	698.0	698.0	698.0
Yr Total Cost:	0	23,196	526	0	0	0	0	0	0	0
Cum Total Cost:	0	23,196	23,723	23,723	23,723	23,723	23,723	23,723	23,723	23,723

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	4,966.9	1,033.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	4,966.9	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	5,101	1,090	0	0	0	0	0	0	0
Cum Total Cost:	0	5,101	6,191	6,191	6,191	6,191	6,191	6,191	6,191	6,191

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

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	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	2,115.1	439.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	2,115.1	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	2,172	464	0	0	0	0	0	0	0
Cum Total Cost:	0	2,172	2,636	2,636	2,636	2,636	2,636	2,636	2,636	2,636

Resource: WSTENG **WASTE ENGINEER** **EOC:** **LABOR**
Res Dept: **Overtime:** **Class:** **SAL**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	265.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	265.2	265.2	265.2	265.2	265.2	265.2	265.2	265.2	265.2
Yr Total Cost:	0	14,245	0	0	0	0	0	0	0	0
Cum Total Cost:	0	14,245	14,245	14,245	14,245	14,245	14,245	14,245	14,245	14,245

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	2,354.2	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	2,354.2	2,394.2	2,394.2	2,394.2	2,394.2	2,394.2	2,394.2	2,394.2	2,394.2
Yr Total Cost:	0	84,927	3,379	0	0	0	0	0	0	0
Cum Total Cost:	0	84,927	88,306	88,306	88,306	88,306	88,306	88,306	88,306	88,306

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFW8

OFF-SITE DEBRIS DISPOSAL PLT 8 COMPLEX

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Fluor Fernald, Inc.

PBS: PBS02 FACILITY D&D
WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFW8 OFFSITE DEBRIS DISPOSAL PLANT 8 COMPLEX
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	485.0	230.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	485.0	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5
Yr Total Cost:	0	12,991	6,553	0	0	0	0	0	0	0
Cum Total Cost:	0	12,991	19,544	19,544	19,544	19,544	19,544	19,544	19,544	19,544

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	465.0	220.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	465.0	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5
Yr Total Cost:	0	14,394	7,238	0	0	0	0	0	0	0
Cum Total Cost:	0	14,394	21,632	21,632	21,632	21,632	21,632	21,632	21,632	21,632

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	465.0	220.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	465.0	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5
Yr Total Cost:	0	15,729	7,909	0	0	0	0	0	0	0
Cum Total Cost:	0	15,729	23,639	23,639	23,639	23,639	23,639	23,639	23,639	23,639

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	3,432.5	2,567.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	3,432.5	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	3,525	2,708	0	0	0	0	0	0	0
Cum Total Cost:	0	3,525	6,233	6,233	6,233	6,233	6,233	6,233	6,233	6,233

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

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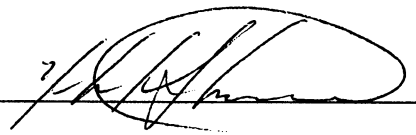
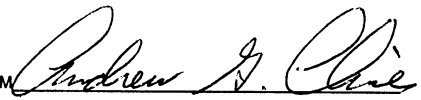
	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	1,461.7	1,093.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	1,461.7	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	1,501	1,153	0	0	0	0	0	0	0
Cum Total Cost:	0	1,501	2,654	2,654	2,654	2,654	2,654	2,654	2,654	2,654

Resource: WSTENG **WASTE ENGINEER** **EOC:** **LABOR**
Res Dept: **Overtime:** **Class:** **SAL**

	Oct 00- Sep 01	Oct 01- Sep 02	Oct 02- Sep 03	Oct 03- Sep 04	Oct 04- Sep 05	Oct 05- Sep 06	Oct 06- Sep 07	Oct 07- Sep 08	Oct 08- Sep 09	Oct 09- Sep 10
Yr Hours:	0.0	178.0	84.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	178.0	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2
Yr Total Cost:	0	9,561	4,790	0	0	0	0	0	0	0
Cum Total Cost:	0	9,561	14,351	14,351	14,351	14,351	14,351	14,351	14,351	14,351

GRAND TOTALS:

	Oct 00- Sep 01	Oct 01- Sep 02	Oct 02- Sep 03	Oct 03- Sep 04	Oct 04- Sep 05	Oct 05- Sep 06	Oct 06- Sep 07	Oct 07- Sep 08	Oct 08- Sep 09	Oct 09- Sep 10
Yr Hours:	0.0	1,593.0	755.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	1,593.0	2,348.7	2,348.7	2,348.7	2,348.7	2,348.7	2,348.7	2,348.7	2,348.7
Yr Total Cost:	0	57,702	30,352	0	0	0	0	0	0	0
Cum Total Cost:	0	57,702	88,054	88,054	88,054	88,054	88,054	88,054	88,054	88,054

CAM  CONTROL TEAM 

INCLUDES ESCALATION COSTS

BDFWA

OFF-SITE DEBRIS DISPOSAL ADMIN COMPLEX

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PBS: PBS02 FACILITY D&D
WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFWA OFFSITE DEBRIS DISPOSAL ADMIN. COMPLEX
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	122.5	59.4	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	122.5	181.9	181.9	181.9	181.9	181.9
Yr Total Cost:	0	0	0	0	4,203	2,266	0	0	0	0
Cum Total Cost:	0	0	0	0	4,203	6,469	6,469	6,469	6,469	6,469

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	298.3	207.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	298.3	505.3	505.3	505.3	505.3	505.3
Yr Total Cost:	0	0	0	0	11,010	8,155	0	0	0	0
Cum Total Cost:	0	0	0	0	11,010	19,166	19,166	19,166	19,166	19,166

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	477.5	207.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	477.5	684.5	684.5	684.5	684.5	684.5
Yr Total Cost:	0	0	0	0	19,082	8,911	0	0	0	0
Cum Total Cost:	0	0	0	0	19,082	27,993	27,993	27,993	27,993	27,993

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	3,178.7	2,821.3	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	3,178.7	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	0	0	0	3,543	3,236	0	0	0	0
Cum Total Cost:	0	0	0	0	3,543	6,779	6,779	6,779	6,779	6,779

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

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	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	0.0	0.0	0.0	1,353.6	1,201.4	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	1,353.6	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	0	0	0	1,509	1,378	0	0	0	0
Cum Total Cost:	0	0	0	0	1,509	2,887	2,887	2,887	2,887	2,887

Resource: WSTENG **WASTE ENGINEER** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** SAL

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	185.0	78.8	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	185.0	263.8	263.8	263.8	263.8	263.8
Yr Total Cost:	0	0	0	0	11,806	5,373	0	0	0	0
Cum Total Cost:	0	0	0	0	11,806	17,179	17,179	17,179	17,179	17,179

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	1,083.3	552.2	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	1,083.3	1,635.5	1,635.5	1,635.5	1,635.5	1,635.5
Yr Total Cost:	0	0	0	0	51,153	29,319	0	0	0	0
Cum Total Cost:	0	0	0	0	51,153	80,473	80,473	80,473	80,473	80,473

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFWB

OFF-SITE DEBRIS DISPOSAL LAB COMPLEX

09/07/2001
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Fluor Fernald, Inc.

PBS: PBS02 FACILITY D&D
WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFWB OFFSITE DEBRIS DISPOSAL LAB COMPLEX
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT GEN LABOR MAINT EOC: LABOR
Res Dept: Overtime: Class: HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	176.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	176.0	176.0	176.0	176.0	176.0	176.0
Yr Total Cost:	0	0	0	0	5,991	0	0	0	0	0
Cum Total Cost:	0	0	0	0	5,991	5,991	5,991	5,991	5,991	5,991

Resource: HAZWAT HAZWAT EOC: LABOR
Res Dept: Overtime: Class: HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	156.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	156.0	156.0	156.0	156.0	156.0	156.0
Yr Total Cost:	0	0	0	0	5,977	0	0	0	0	0
Cum Total Cost:	0	0	0	0	5,977	5,977	5,977	5,977	5,977	5,977

Resource: HEOOPR HEAVY EQUIP OPERATOR EOC: LABOR
Res Dept: Overtime: Class: HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	292.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	292.0	292.0	292.0	292.0	292.0	292.0
Yr Total Cost:	0	0	0	0	11,882	0	0	0	0	0
Cum Total Cost:	0	0	0	0	11,882	11,882	11,882	11,882	11,882	11,882

Resource: MAT300 MATERIAL OBJCLASS300 EOC: MATERIAL
Res Dept: Overtime: Class: MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	5,637.7	362.3	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	5,637.7	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	0	0	0	6,284	415	0	0	0	0
Cum Total Cost:	0	0	0	0	6,284	6,699	6,699	6,699	6,699	6,699

Resource: SERVSUB SUBS EOC: SUBCONTRACTORS
Res Dept: Overtime: LDRY Class: SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

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	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	0.0	0.0	0.0	2,400.7	154.3	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	2,400.7	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	0	0	0	2,676	177	0	0	0	0
Cum Total Cost:	0	0	0	0	2,676	2,853	2,853	2,853	2,853	2,853

Resource: WSTENG **WASTE ENGINEER** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** SAL

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	272.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	272.0	272.0	272.0	272.0	272.0	272.0
Yr Total Cost:	0	0	0	0	17,359	0	0	0	0	0
Cum Total Cost:	0	0	0	0	17,359	17,359	17,359	17,359	17,359	17,359

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	896.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	896.0	896.0	896.0	896.0	896.0	896.0
Yr Total Cost:	0	0	0	0	50,168	592	0	0	0	0
Cum Total Cost:	0	0	0	0	50,168	50,761	50,761	50,761	50,761	50,761

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFWM

OFF-SITE DEBRIS DISPOSAL MISC STRUCTURES

09/07/2001
2:59 PM

PBS: PBS02 FACILITY D&D
WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFWM OFFSITE DEBRIS DISPOSAL MISC. STRUCTURES
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	224.7	224.7	62.2	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	224.7	449.4	511.6	511.6	511.6
Yr Total Cost:	0	0	0	0	0	8,154	8,840	2,694	0	0
Cum Total Cost:	0	0	0	0	0	8,154	16,994	19,688	19,688	19,688

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	199.7	199.7	52.2	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	199.7	399.4	451.6	451.6	451.6
Yr Total Cost:	0	0	0	0	0	8,163	8,849	2,514	0	0
Cum Total Cost:	0	0	0	0	0	8,163	17,012	19,526	19,526	19,526

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	199.7	199.7	52.2	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	199.7	399.4	451.6	451.6	451.6
Yr Total Cost:	0	0	0	0	0	8,920	9,670	2,747	0	0
Cum Total Cost:	0	0	0	0	0	8,920	18,590	21,337	21,337	21,337

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	1,426.9	1,426.9	1,426.9	1,438.4	280.8	0.0
Cum Units:	0.0	0.0	0.0	0.0	1,426.9	2,853.9	4,280.8	5,719.2	6,000.0	6,000.0
Yr Total Cost:	0	0	0	0	1,590	1,637	1,684	1,747	351	0
Cum Total Cost:	0	0	0	0	1,590	3,227	4,911	6,658	7,009	7,009

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

09/07/2001
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	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	0.0	0.0	0.0	607.6	607.6	607.6	612.5	119.6	0.0
Cum Units:	0.0	0.0	0.0	0.0	607.6	1,215.3	1,822.9	2,435.4	2,555.0	2,555.0
Yr Total Cost:	0	0	0	0	677	697	717	744	149	0
Cum Total Cost:	0	0	0	0	677	1,374	2,091	2,835	2,985	2,985

Resource: WSTENG **WASTE ENGINEER** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** SAL

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	349.4	349.4	84.4	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	349.4	698.8	783.2	783.2	783.2
Yr Total Cost:	0	0	0	0	0	23,823	25,826	6,575	0	0
Cum Total Cost:	0	0	0	0	0	23,823	49,650	56,225	56,225	56,225

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	973.5	973.5	251.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	973.5	1,947.0	2,198.0	2,198.0	2,198.0
Yr Total Cost:	0	0	0	0	2,268	51,394	55,586	17,022	500	0
Cum Total Cost:	0	0	0	0	2,268	53,661	109,247	126,269	126,770	126,770

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFWP

OFF-SITE DEBRIS DISPOSAL PILOT PLANT COMPLEX

09/07/2001
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PBS: OHFN02 FACILITY D&D

Fluor Fernald, Inc.

DATE: 06-Sep-01

WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFWP OFFSITE DEBRIS DISPOSAL PILOT PLANT COMPLEX
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC: LABOR**
Res Dept: **Overtime:** **Class: HOU**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	471.5	451.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	471.5	922.5	922.5	922.5	922.5	922.5	922.5
Yr Total Cost:	0	0	0	14,038	14,396	0	0	0	0	0
Cum Total Cost:	0	0	0	14,038	28,434	28,434	28,434	28,434	28,434	28,434

Resource: HAZWAT **HAZWAT** **EOC: LABOR**
Res Dept: **Overtime:** **Class: HOU**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	456.5	431.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	456.5	887.5	887.5	887.5	887.5	887.5	887.5
Yr Total Cost:	0	0	0	15,771	15,878	0	0	0	0	0
Cum Total Cost:	0	0	0	15,771	31,650	31,650	31,650	31,650	31,650	31,650

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC: LABOR**
Res Dept: **Overtime:** **Class: HOU**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	456.5	431.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	456.5	887.5	887.5	887.5	887.5	887.5	887.5
Yr Total Cost:	0	0	0	17,234	17,351	0	0	0	0	0
Cum Total Cost:	0	0	0	17,234	34,585	34,585	34,585	34,585	34,585	34,585

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC: MATERIAL**
Res Dept: **Overtime:** **Class: MAT**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	3,361.6	2,638.4	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	3,361.6	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	0	0	3,645	2,941	0	0	0	0	0
Cum Total Cost:	0	0	0	3,645	6,586	6,586	6,586	6,586	6,586	6,586

Resource: SERVSUB **SUBS** **EOC: SUBCONTRACTORS**
Res Dept: **Overtime: LDRY** **Class: SUB**

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

INCLUDES ESCALATION COSTS

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	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	0.0	0.0	1,431.5	1,123.5	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	1,431.5	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	0	0	1,552	1,252	0	0	0	0	0
Cum Total Cost:	0	0	0	1,552	2,804	2,804	2,804	2,804	2,804	2,804

Resource: WSTENG **WASTE ENGINEER** **EOC:** **LABOR**
Res Dept: **Overtime:** **Class:** **SAL**

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	176.6	164.4	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	176.6	341.0	341.0	341.0	341.0	341.0	341.0
Yr Total Cost:	0	0	0	10,640	10,492	0	0	0	0	0
Cum Total Cost:	0	0	0	10,640	21,132	21,132	21,132	21,132	21,132	21,132

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	1,561.1	1,477.4	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	1,561.1	3,038.5	3,038.5	3,038.5	3,038.5	3,038.5	3,038.5
Yr Total Cost:	0	0	0	62,880	62,310	0	0	0	0	0
Cum Total Cost:	0	0	0	62,880	125,190	125,190	125,190	125,190	125,190	125,190

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFWQ

OFF-SITE DEBRIS DISPOSAL LIQUID STORAGE COMPLEX

09/07/2001
2:46 PM

PBS: PBS02 FACILITY D&D

WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL

CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL

CHARGE NO: BDFWQ OFFSITE DEBRIS DISPOSAL LQD STORAGE CMPLX

COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	64.1	160.6	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	64.1	224.7	224.7	224.7	224.7	224.7	224.7	224.7
Yr Total Cost:	0	0	2,019	5,067	0	0	0	0	0	0
Cum Total Cost:	0	0	2,019	7,086	7,086	7,086	7,086	7,086	7,086	7,086

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	54.1	145.6	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	54.1	199.7	199.7	199.7	199.7	199.7	199.7	199.7
Yr Total Cost:	0	0	1,897	5,204	0	0	0	0	0	0
Cum Total Cost:	0	0	1,897	7,101	7,101	7,101	7,101	7,101	7,101	7,101

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	230.5	668.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	230.5	898.5	898.5	898.5	898.5	898.5	898.5	898.5
Yr Total Cost:	0	0	8,260	25,090	0	0	0	0	0	0
Cum Total Cost:	0	0	8,260	33,350	33,350	33,350	33,350	33,350	33,350	33,350

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	2,586.2	2,596.6	817.2	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	2,586.2	5,182.8	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0
Yr Total Cost:	0	0	2,728	2,815	911	0	0	0	0	0
Cum Total Cost:	0	0	2,728	5,543	6,454	6,454	6,454	6,454	6,454	6,454

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-	Oct 01-	Oct 02-	Oct 03-	Oct 04-	Oct 05-	Oct 06-	Oct 07-	Oct 08-	Oct 09-

09/07/2001
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	Sep 01	Sep 02	Sep 03	Sep 04	Sep 05	Sep 06	Sep 07	Sep 08	Sep 09	Sep 10
Yr Units:	0.0	0.0	1,101.3	1,105.7	348.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	1,101.3	2,207.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	0	1,162	1,199	388	0	0	0	0	,0
Cum Total Cost:	0	0	1,162	2,360	2,748	2,748	2,748	2,748	2,748	2,748

Resource: WSTENG **WASTE ENGINEER** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** SAL

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	88.2	261.2	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	88.2	349.4	349.4	349.4	349.4	349.4	349.4	349.4
Yr Total Cost:	0	0	5,018	15,737	0	0	0	0	0	0
Cum Total Cost:	0	0	5,018	20,755	20,755	20,755	20,755	20,755	20,755	20,755

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	436.9	1,235.4	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	436.9	1,672.3	1,672.3	1,672.3	1,672.3	1,672.3	1,672.3	1,672.3
Yr Total Cost:	0	0	21,083	55,111	1,299	0	0	0	0	0
Cum Total Cost:	0	0	21,083	76,195	77,494	77,494	77,494	77,494	77,494	77,494

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFWS

OFF-SITE DEBRIS DISPOSAL GENERAL SUMP COMPLEX

09/07/2001
2:48 PM

PBS: PBS02 FACILITY D&D

WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL

CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL

CHARGE NO: BDFWS OFFSITE DEBRIS DISPOSAL GENERAL SUMP COMPLEX

COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01

PROJECT MGR: JM STEVENS

CAM: JM STEVENS

PREPARED BY: A. CLINES

FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	683.0	20.0	54.2	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	683.0	703.0	757.2	757.2	757.2	757.2	757.2	757.2	757.2
Yr Total Cost:	0	17,827	817	1,708	0	0	0	0	0	0
Cum Total Cost:	0	17,827	18,645	20,353	20,353	20,353	20,353	20,353	20,353	20,353

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	673.0	10.0	49.2	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	673.0	683.0	732.2	732.2	732.2	732.2	732.2	732.2	732.2
Yr Total Cost:	0	20,546	481	1,757	0	0	0	0	0	0
Cum Total Cost:	0	20,546	21,027	22,785	22,785	22,785	22,785	22,785	22,785	22,785

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	673.0	10.0	49.2	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	673.0	683.0	732.2	732.2	732.2	732.2	732.2	732.2	732.2
Yr Total Cost:	0	22,451	526	1,920	0	0	0	0	0	0
Cum Total Cost:	0	22,451	22,978	24,898	24,898	24,898	24,898	24,898	24,898	24,898

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	2,259.0	2,259.0	1,481.9	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	2,259.0	4,518.1	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0

INCLUDES ESCALATION COSTS

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Yr Total Cost:	0	2,320	2,383	1,607	0	0	0	0	0	0
Cum Total Cost:	0	2,320	4,703	6,309	6,309	6,309	6,309	6,309	6,309	6,309

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	962.0	962.0	631.1	0.0	0.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	962.0	1,923.9	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	988	1,015	684	0	0	0	0	0	0
Cum Total Cost:	0	988	2,003	2,687	2,687	2,687	2,687	2,687	2,687	2,687

Resource: WSTENG **WASTE ENGINEER** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** SAL

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	265.2	0.0	88.4	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	265.2	265.2	353.6	353.6	353.6	353.6	353.6	353.6	353.6
Yr Total Cost:	0	14,245	0	5,326	0	0	0	0	0	0
Cum Total Cost:	0	14,245	14,245	19,571	19,571	19,571	19,571	19,571	19,571	19,571

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	2,294.2	40.0	241.0	0.0	0.0	0.0	0.0	0.0	0.0
Cum Hours:	0.0	2,294.2	2,334.2	2,575.2	2,575.2	2,575.2	2,575.2	2,575.2	2,575.2	2,575.2
Yr Total Cost:	0	78,378	5,222	13,003	0	0	0	0	0	0
Cum Total Cost:	0	78,378	83,600	96,603	96,603	96,603	96,603	96,603	96,603	96,603

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

BDFWW

OFF-SITE DEBRIS DISPOSAL EWC

09/07/2001
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PBS: PBS02 FACILITY D&D
WBS: 1.1.B.D OFFSITE DEBRIS DISPOSAL
CTRL ACCT: BDFW OFFSITE DEBRIS DISPOSAL
CHARGE NO: BDFWW OFFSITE DEBRIS DISPOSAL EWC
COMMENT NO D-213, D-216, D-705, D-706, D-861, F02-029, F02-047

Fluor Fernald, Inc.

ESTIMATE SUPPORT WORKSHEET
FOR ACTIVITY BASED ESTIMATING
(1 FTE EQUALS 1747 HOURS)

DATE: 06-Sep-01
PROJECT MGR: JM STEVENS
CAM: JM STEVENS
PREPARED BY: A. CLINES
FISCAL YEAR: 2000-2010

Resource: GLMNT **GEN LABOR MAINT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	58.5	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	58.5	58.5	58.5	58.5	58.5
Yr Total Cost:	0	0	0	0	0	2,236	0	0	0	0
Cum Total Cost:	0	0	0	0	0	2,236	2,236	2,236	2,236	2,236

Resource: HAZWAT **HAZWAT** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	48.5	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	48.5	48.5	48.5	48.5	48.5
Yr Total Cost:	0	0	0	0	0	2,057	0	0	0	0
Cum Total Cost:	0	0	0	0	0	2,057	2,057	2,057	2,057	2,057

Resource: HEOOPR **HEAVY EQUIP OPERATOR** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** HOU

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	48.5	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	48.5	48.5	48.5	48.5	48.5
Yr Total Cost:	0	0	0	0	0	2,248	0	0	0	0
Cum Total Cost:	0	0	0	0	0	2,248	2,248	2,248	2,248	2,248

Resource: MAT300 **MATERIAL OBJCLASS300** **EOC:** MATERIAL
Res Dept: **Overtime:** **Class:** MAT

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	6,000.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	6,000.0	6,000.0	6,000.0	6,000.0	6,000.0

INCLUDES ESCALATION COSTS

Yr Total Cost:	0	0	0	0	0	6,882	0	0	0	0
Cum Total Cost:	0	0	0	0	0	6,882	6,882	6,882	6,882	6,882

Resource: SERVSUB **SUBS** **EOC:** SUBCONTRACTORS
Res Dept: **Overtime:** LDRY **Class:** SUB

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Units:	0.0	0.0	0.0	0.0	0.0	2,555.0	0.0	0.0	0.0	0.0
Cum Units:	0.0	0.0	0.0	0.0	0.0	2,555.0	2,555.0	2,555.0	2,555.0	2,555.0
Yr Total Cost:	0	0	0	0	0	2,930	0	0	0	0
Cum Total Cost:	0	0	0	0	0	2,930	2,930	2,930	2,930	2,930

Resource: WSTENG **WASTE ENGINEER** **EOC:** LABOR
Res Dept: **Overtime:** **Class:** SAL

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	38.5	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	38.5	38.5	38.5	38.5	38.5
Yr Total Cost:	0	0	0	0	0	2,624	0	0	0	0
Cum Total Cost:	0	0	0	0	0	2,624	2,624	2,624	2,624	2,624

GRAND TOTALS:

	Oct 00-Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04-Sep 05	Oct 05-Sep 06	Oct 06-Sep 07	Oct 07-Sep 08	Oct 08-Sep 09	Oct 09-Sep 10
Yr Hours:	0.0	0.0	0.0	0.0	0.0	193.9	0.0	0.0	0.0	0.0
Cum Hours:	0.0	0.0	0.0	0.0	0.0	193.9	193.9	193.9	193.9	193.9
Yr Total Cost:	0	0	0	0	0	18,977	0	0	0	0
Cum Total Cost:	0	0	0	0	0	18,977	18,977	18,977	18,977	18,977

CAM _____ CONTROL TEAM _____

INCLUDES ESCALATION COSTS

SECTION 1

5.0 RISK PLAN

Risk/Opportunity Identification and Analysis Form

Project: D&D Offsite Debris Disposal		PBS Number: 02	R1-F02-047		Total Baseline Dollars (Minimum Case):		R1-F02-047				
Evaluator: M. Stevens	Date: 5/1/2001	WBS Number: 1.1.1.B.D									
CAM: M. Stevens	Date: 5/1/2001	Control Account Number: BDFW									
Project Task	Risk and/or Opportunity	Potential Impact	Internal Or External Driver	Impact Cost $ (Maximum Case)	Risk Impact Level	Risk Probability %	Risk Probability Level	Probable Cost $ (Likeliest Case)	Risk Critical Value	Risk Handling Strategy	
Non WAC material can not be shipped to Envirocare, it must go the NTS	Additional packaging, handling, and shipping costs	additional labor, material and services required	Internal	$500,000	2	10	2	$50,000	2	Accept	
			Total:	$500,000			Total:	$50,000			