PROJECT PLAN/ PROJECT MANAGEMENT PLAN PHASES 2 AND 3

prepared for

GA HOT CELL D&D PROJECT CONTRACT NO. DE-AC03-95SF20798 PROJECT NO. 7340

FEBRUARY 1996



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FOREWORD

This document has been prepared as required by the Statement of Work dated January 12, 1996 for the General Atomics Hot Cell Decontamination and Decommissioning Project contained in Modification A005 to Contract Number DE-AC03-95SF20798.

There are two parts in the PP/PMP. Part I is the Project Plan. Part II is the Project Management Plan. This PP/PMP addresses Phases 2 and 3 activities.

The purpose of the PP is to define the essential elements of the Project and to guide the Project execution. The PMP sets forth the plans, organization, and systems which will be used in the management and implementation of the PP. The PP/PMP will be updated as needed.

PART I PROJECT PLAN

1. MISSION NEED AND OBJECTIVES

General Atomics (GA) Hot Cell Facility (HCF) has been used for over 30 years to perform numerous post irradiative examinations on Department of Energy (DOE) fuels, structural materials, instrumentation, and/or dosimetry. Reduced demand and continuing private industrial development around the site has resulted in the requirement to remove and dispose of DOE/NE fuel and waste; and to decontaminate and decommission (D&D) the Hot Cell Facility and environmentally remediate, if necessary, the surrounding site for release to unrestricted use.

The D&D Project is planned to be accomplished in three phases. The first phase provided surveillance, maintenance and environmental monitoring support to assure that the HCF maintains the Nuclear Regulatory Commission (NRC) and the State of California Department of Health Services (CAL-DHS) health and safety levels; addressed the removal and disposition of DOE/NE fuel and waste; provided data to define the overall scope of the D&D Project; ascertained the magnitude and extent of radiological, hazardous and asbestos contamination through characterization and process knowledge; and established the Project management/Project documentation and controls required by DOE, the NRC, and CAL-DHS for the second phase. Phase 1 tasks were performed under Contract No. DE-AC03-84SF11962. Phase 2 is the implementation of HCF D&D activities, HCF surrounding site remediation, if necessary, and HCF waste handling and disposal. Phase 3 will be to perform confirmatory studies and final facility and site NRC/CAL-DHS certification for release to unrestricted use. Phases 2 and 3 are addressed in this PP/PMP.

Figure I-1 shows the location of the Hot Cell within the GA site, and Figure I-2 is a detailed plan view of the Hot Cell Facility.

This Project supports DOE objectives for Environmental Restoration and Waste Management by providing:

- Credible decision making through sound planning
- Facility decommissioning
- Elimination of unacceptable risk
- Regulatory compliance
- Pollution prevention
- Ensure sufficient infrastructure
- Efficient use of resources
- Assurance of public and worker safety and health
- Waste minimization.
- Removal of irradiated fuel, radioactive contaminated waste, hazardous materials, and industrial waste from the Hot Cell Facility and Site.
- Public involvement through the availability of environmental assessments and the DOE ADSs.
- Public involvement in the NEPA process.

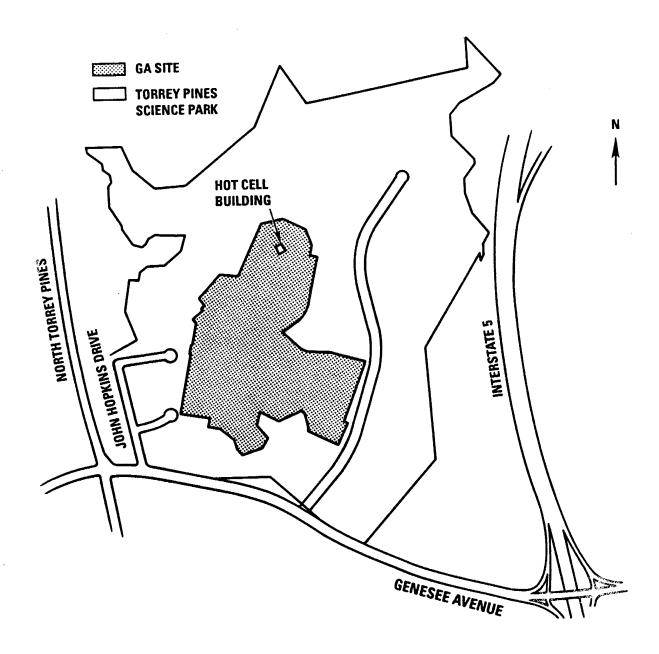


Figure I-1—Hot Cell Location Within the GA Site

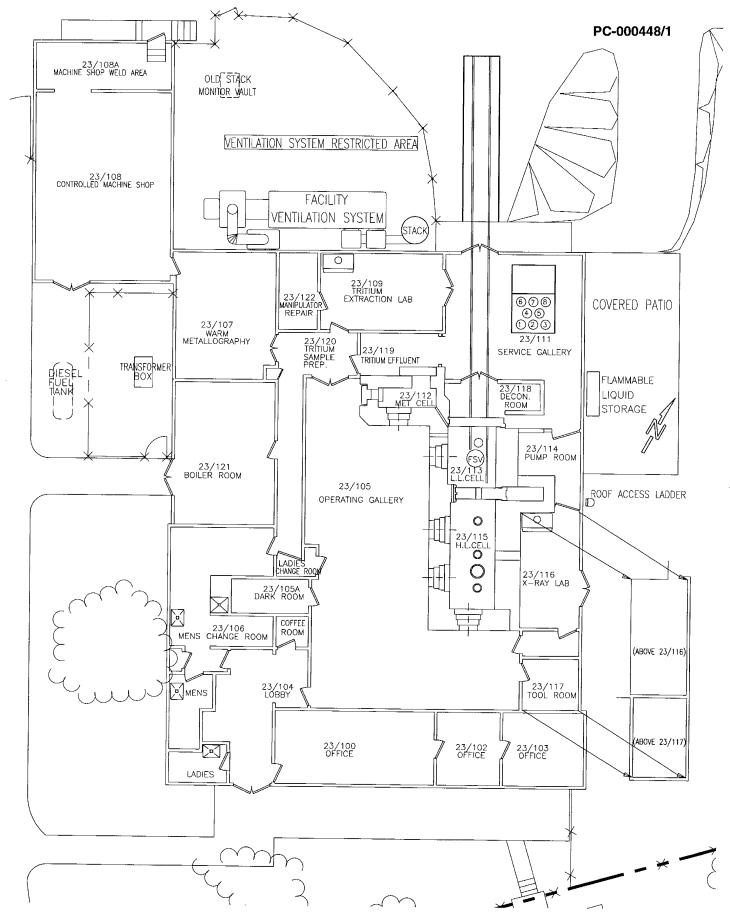


Figure I-2—GA Hot Cell Plan View

The specific measurable objectives of the GA Hot Cell Facility D&D Project that serve as a basis for evaluating the overall Project success are:

- a. Technical and Economic Objectives of Phase 2 are to remove radiological and other contamination from the site to acceptable levels for site release to unrestricted use. In performing these objectives, all applicable NRC and other Federal and State requirements will be met. Waste minimization will be pursued where economically effective. Waste generated will be directed to appropriate disposal sites.
- b. The Schedule Objective of Phase 2 is to complete the Technical and Economic Objectives by January 2000. Phase 3 would follow immediately after Phase 2 with the objective of obtaining site release for unrestricted use by August 13, 2000.
- c. The Quality and Reliability Objective is the effective implementation of the Quality Assurance Program as defined by the Quality Assurance Program Plan (QAPP-7340) which complies with applicable standards and regulations including ASME NQA-1-1989, QA Program Requirements for Nuclear Facilities and 10 CFR 71, "Packaging and Transportation of Radioactive Materials," Subpart H, "Quality Assurance."
- d. The Cost Objective is to complete the Phases 2 and 3 Technical, Economic, Schedule, and Quality and Reliability Objectives within a total estimated cost of \$18,498,129 as stated in Contract DE-AC03-95SF20798, Modification A005; of this amount, \$14,184,650 is DOE's share and \$4,313,479 is General Atomics' share.

2. TECHNICAL PLAN

2.1 Technical Objectives

The technical objectives are to remove radiological and other contaminants from the site and obtain release of the site to unrestricted use. In performing Project activities, all applicable NRC and other Federal and State requirements will be met. The general approach is to remove all nonessential equipment to operate the Facility, then address the Facility itself. Following this, the yard area will be remediated to the extent necessary. Waste generated will be shipped to the appropriate disposal site in accordance with the waste acceptance criteria.

2.1.1 Decontamination and Decommissioning

Contaminated systems will be removed and packaged for shipment to a low-level radioactive waste disposal facility. Decontamination of the Facility will be performed concurrently with the system removal activity. There will be two parallel tasks during D&D: one will be the decontamination and dismantlement of the rooms surrounding the main building structure and the other will be the decontamination and dismantlement of the hot cells. The decontamination of the rooms will include a variety of techniques; the predominant one is planned to be abrasive cleaning of the concrete surfaces. The interior of the hot cells are planned to be cleaned using remotely operated cleaning methods followed by abrasive cleaning. Following these activities, the remaining roof, walls, and slab will be dismantled to provide access to the contaminated soil under the structure. After the Facility is dismantled, the contaminated soil will be remediated. No groundwater contamination is anticipated.

All of the above tasks will be accomplished in accordance with approved procedures.

2.1.2 Waste Disposal

In preparing waste for disposal, waste minimization will be practiced as described in the Waste Minimization Plan (PC-000421). Waste will be prepared for disposal at the Westinghouse Hanford Reservation, or if appropriate, at Envirocare of Utah. Waste previously packaged as part of Phase 1 will also be shipped for disposal. Preparation, packaging, and shipment will be done using approved procedures.

2.1.3 Surveillance and Maintenance

Surveillance and maintenance of the site and Facility will be conducted to:

- 1. Ensure that the Hot Cell Site and Facility is maintained in a manner that will assure safety of the general public and D&D personnel of General Atomics, its Contractors and Visitors.
- 2. Ensure that the Hot Cell Site and Facility is maintained and operated in compliance with the NRC License and the applicable Federal, State and local regulations.
- 3. Ensure that the Hot Cell Site and Facility is maintained throughout the project in a cost effective manner.

2.1.4 Site Release

Upon completion of Phase 2 activities, a Final Radiation Survey will be independently conducted with the objective of obtaining site release to unrestricted use (Phase 3). The Final Radiation Survey will demonstrate that the radiological condition of the Hot Cell site is at or below established release criteria. The State and NRC will then grant approval for release of the site to unrestricted use.

2.2 Technical Readiness

Technical readiness will be demonstrated by successful completion of Phase 1, approval of the Decommissioning Plan (PC-000423) by the DOE, NRC, and CAL-DHS, and an Operational Readiness Review. The D&D techniques to be utilized will have been proven through previous successful use.

2.3 Technical Approach

The technical approach is to decontaminate and decommission the Facility which will result in dismantlement of the structure. Following dismantlement and removal from the site, remediation of the soil will be conducted to the extent necessary. The decommissioning technical approach is more fully described in the Decommissioning Plan (PC-000423). The decommissioning will be performed in conjunction with meeting applicable, relevant, and appropriate requirements (ARAR) criteria from Federal, State and local regulations (see Figure I-3). Table I-1 is a Compliance Applicability Matrix of Federal and State regulations.

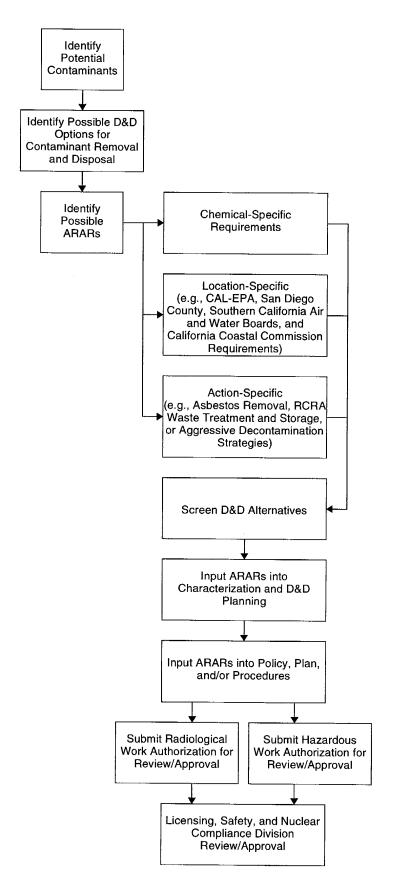


Figure I-3—ARARs Criteria Process

	Table I-1—Compliance Applicability Matrix
	FEDERAL
10 CFR Parts:	ENERGY
2	Rules of practice for domestic licensing proceedings
19	Notices, instructions and reports to workers: inspections and investigations
20	Standards for protection against radiation
21	Reporting of defects and noncompliance
25	Access authorization for licensee personnel
30	Rules of general applicability to domestic licensing of byproduct material
31	General domestic licenses for byproduct material
70	Domestic licensing of special nuclear material
71	Packaging of radioactive material for transport
73	Physical protection of plants and special nuclear materials
74	Material control and accounting of special nuclear material
1021	Compliance with the National Environmental Policy Act (NEPA)
29 CFR Parts:	LABOR
1910	Occupational Safety and Health Act (OSHA)
40 CFR Parts:	PROTECTION OF THE ENVIRONMENT
50	National primary and secondary ambient air quality standards
52	Approval and promulgation of implementation plans
60	Standards of performance for new stationary sources
61	National emission standards for hazardous air pollutants
121	State certification of activities requiring a Federal license or permit
191	Environmental radiation protection standards for management and disposal of spent nuclear fuel, high-level
260	and transuranic radioactive wastes
261	Solid Waste - Hazardous waste management system; general
262	Identification and listing of hazardous waste
263	Standards applicable to generators of hazardous waste
268	Standards applicable to transporters of hazardous waste Land disposal restrictions
270	EPA administered permit programs
300	National oil and hazardous substances pollution contingency plan
302	designation, reportable quantities, and notification
355	Emergency planning and notification
761	PCB manufacturing, processing, distribution, and use prohibitions
1500-1508	Final National Environmental Policy Act (NEPA) requirements
49 CFR Parts:	TRANSPORTATION
171-179	Hazardous material transportation act regulations
	STATE OF CALIFORNIA
CCR Title 8	INDUSTRIAL RELATIONS
3.2	CAL/OSHA
CCR Title 17	HEALTH
4	Radiation
CCR Title 19	PUBLIC SAFETY
3	Hazardous Material Release Reporting, Inventory, and Response Plans
CCR Title 26	TOXICS
1	State Lands Commission
4	California Occupational Safety and Health Regs. (CAL/OSHA)
4.1	Division of Industrial Safety
5.1	Department of Motor Vehicles
6	California Highway Patrol
7	Air Resources Board
17	Department of Health Services
18	Air Resources Board
19	State Fire MARSHAL
19.1	Office of Emergency Services
21	Department of Transportation
21.5	Health and Welfare Agency
22	Department of Health Services
23	State Water Resources Control Board

2.4 Alternative Technical Approaches

Four basic decommissioning alternatives were evaluated based on NRC Regulatory Guide 1.86. They were:

- <u>Leave in Place</u>—Evaluated and not considered as an acceptable option due to the extensive contamination within the Facility requiring continued surveillance and maintenance and the development of other facilities in close proximity to the GA site. This alternative would not result in release to unrestricted use.
- Entombment—Evaluated and not considered as an acceptable option due to the contamination detected in the soil around the Facility requiring continued surveillance and access control. This alternative would not result in release to unrestricted use.
- <u>Dismantlement</u>—In this alternative, the dismantlement of the Facility would be performed, including removal of the Facility structure, and remediation of the soil around the Facility, as necessary, followed by NRC and State of California inspections and release of the site to unrestricted use. This alternative was the one selected.
- <u>Decommissioning in Place</u>—In this alternative, decommissioning of the Facility would be performed with the structure left in place, followed by NRC and State of California inspections and release to unrestricted use. This alternative was evaluated and was not considered as an acceptable option due to the extensive dismantlement required for access to areas that are contaminated. An example is the HEPA exhaust ducts that are buried under the walls of the hot cells. This process, when carried out in all necessary areas, would leave the building in an unsafe condition.

2.5 Project Phase Description

The Hot Cell D&D Project has three (3) phases. Phase 1 is to: 1) remove the DOE/NE irradiated fuel and pre-D&D waste from the facility; 2) assure that the Facility meets the NRC and the CAL-DHS health and safety levels and will provide data to define the overall scope of the D&D Project; 3) ascertain the magnitude and extent of contamination through characterization; 4) establish the Project management/Project documentation and controls required by DOE, the NRC, and CAL-DHS for the second and third phases; and 5) prepare and obtain approvals of the Decommissioning Plan. Phase 2 is the implementation of D&D activities, surrounding site remediation, if necessary, and waste handling and disposal. Phase 3 is confirmatory studies and final site certification to unrestricted use.

The schedule shown in Appendix B illustrates the sequence of events and milestone dates to accomplish the Phases 2 and 3 objectives. In addition, intermediate milestones will be established for each fiscal year. The milestone schedules for FY96 are shown in Appendix A.

Project events/deliverables requiring DOE (and/or NRC, CAL-DHS) approval authority and their planned dates are:

a.	Operational Readiness Review Report for Phase 2	*
b.	Draft QA Program Plan for Phases 2 and 3	1/31/96
c.	Final PP/PMP	2/28/96
d.	Final QA Program Plan	2/28/96
e.	DOE Order 5480.19 Matrix Analysis Report	2/28/96

f.	Draft Health & Safety Plan	4/30/96
g.	Final Health & Safety Plan	6/30/96
h.	Irradiated Fuel Materials Transfer ORR Report	**
i.	Irradiated Fuel Materials Transfer & Storage Procedures	**
j.	Irradiated Fuel Materials Transfer	8/13/00
k.	Draft Closure Report	6/30/00
1.	Final Closure Report	8/01/00
m.	Release Report	8/13/00
*	One month after Decommissioning Plan Approval	
**	One month before shipment to a DOE designated site	

2.6 Work Breakdown Structure (WBS)

The WBS Index is shown in Table I-2. The WBS is task oriented and presents work elements to the sixth level. This WBS conforms to the manner in which the work shall be performed and in which Project cost and schedule are controlled and reported. A WBS Dictionary is provided as Attachment D.

2.7 Project Element Sequencing

Major project elements must be completed prior to release for unrestricted use.

- a. DOE/NE Fuel Disposition
- b. Completion of Facility Decommissioning
- c. Completion of Soil Remediation
- d. Independent Final Site Survey

3. RISK ASSESSMENT

The probability for successful completion of the Project within schedule and budget is high. The basis for this assessment includes:

- 1. Proven technology will be utilized.
- 2. Site characterization has been conducted.
- 3. Historical records for the operation of the facility are complete.
- 4. The facility has been operated by GA under an NRC license throughout its history.
- 5. Proven planning and procedural approaches will be utilized.
- 6. Both the DOE and GA are committed to providing funding to this Project.
- 7. Phases 2 and 3 will be conducted in accordance with a DOE, CAL-DHS, and NRC approved Decommissioning Plan.
- 8. It is assumed that no transuranic or mixed transuranic waste will be encountered.

Risk assessment for the Project is covered in detail in the Hazards Analysis (PC-000420).

Table I-2—Work Breakdown Structure Part I - Index

l. PR						TICIP s Hot		Project - Phase 2	2. DATE	5	3. IDENTIFICATION NUMBER		
LINE NO.	5	INI	DEN	ITU	RE	LEVE		SS ELEMENTS TITLE	PARTICIPANT WBS ELEMENT CODE	7 BUDGET AND REPORTING	8	9	
	1	2	3	4	5	6	7 8			NO.			
1	X						T	Hot Cell D&D	1.4.8.4				
2		X						Decontamination & Decommissioning	1.4.8.4.2				
3			X					Phase 2 D&D	1.4.8.4.2.4				
4				X				Support Functions	1.4.8.4.2.4.1				
5					X			Facility Maint/Security/Surveillance	1.4.8.4.2.4.1.1	7350.100			
6						X		Maintenance	1.4.8.4.2.4.1.1.1	7350.100.100			
7						X		Security	1.4.8.4.2.4.1.1.2	7350.100.200			
8						X	1	Industrial Safety	1.4.8.4.2.4.1.1.3	7350.100.300			
9					i	X		Radiological Surveillance	1.4.8.4.2.4.1.1.4	7350.100.400	1		
10					X			Licensing, Safety and Nuclear Compliance	1.4.8.4.2.4.1.2	7350.200.100			
11					X			Training	1.4.8.4.2.4.1.3	7350.300.100			
12					X			Plans and Procedures	1.4.8.4.2.4.1.4	7350.400			
13						X		Radiation Safety	1.4.8.4.2.4.1.4.1	7350.400.100			
14						X		Industrial Safety	1.4.8.4.2.4.1.4.2	7350.400.200			
15		l				X		Facility Maintenance/Operations	1.4.8.4.2.4.1.4.3	7350.400.300			
16		1				X		Decontamination & Decommissioning	1.4.8.4.2.4.1.4.4	7350.400.400			
17	- 1			ı		X		Waste Disposal	1.4.8.4.2.4.1.4.5	7350.400.500			
18					X	- 1		QA Support	1.4.8.4.2.4.1.5	7350.500.100			
19			-	I	X			Track & Trend Activities	1.4.8.4.2.4.1.6	7350.950.400			
20		ŀ	١	X				Decommissioning	1.4.8.4.2.4.2	7350.600			
21	-	1			X		i	Materials and Services	1.4.8.4.2.4.2.1	7350.610.100		ŀ	
22					Х			Site Supervision	1.4.8.4.2.4.2.2	7350.620.100			
23					x			Engineering Support	1.4.8.4.2.4.2.3	7350.630.100			
24	ı				X			Hot Cell Equipment	1.4.8.4.2.4.2.4	7350.640.100			
25					X			Structural Decontamination	1.4.8.4.2.4,2.5	7350.650.			
26		ļ				x		High-Level Cell	1.4.8.4.2.4.2.5.1	7350.650.501			
27						X		Low-Level Cell	1.4.8.4.2.4.2.5.2	7350.650.502			
28						X		Metallography Cell	1.4.8.4.2.4.2.5.3	7350.650.503		-	
29						X		Service Gallery and Decon Room	1.4.8.4.2.4.2.5.4	7350.650.504		ŀ	
30						X		ESTES Rooms/Manipulator Repair Room	1.4.8.4.2.4.2.5.5	7350.650.505			
31						х		Pump Room, X-ray Lab, Tool Room, Mezzanine	1.4.8.4.2.4.2.5.6	7350.650.506			
32		-			ļ	x		Machine Shop	1.4.8.4.2.4.2.5.7	7350.650.507			
33						X		Warm Metallography Lab	1.4.8.4.2.4.2.5.8	7350.650.508			
34						X		Boiler Room	1.4.8.4.2.4.2.5.9	7350.650.509			
35						x		Change Room, Dark Room, Lobby and Offices	1.4.8.4.2.4.2.5.10	7350.650.510			
36		-		-		x		Operating Gallery	1.4.8.4.2.4.2.5.11	7350.650.511			
37		-		-		x		Building Exterior, Roof & Aux. Structures	1.4.8.4.2.4.2.5.11	7350.650.511			
38	-				х		1 1	Dismantlement	1.4.8.4.2.4.2.5.12	7350.650.512			
39					- 1	x	1 1	HLC, LLC, Metallography Cell	1.4.8.4.2.4.2.6.1				
ю					- 1	x		Interior Walls, Sub-ceilings	1	7350.660.100			
11					- 1	x		Roof and Exterior Walls	1.4.8.4.2.4.2.6.2	7350.660.200			
12						\mathbf{x}	1 1	Concrete Floor	1.4.8.4.2.4.2.6.3	7350.660.300 7350.660.400	1		

Table I-2—Work Breakdown Structure Part I - Index

					TICIPA s Hot		Project - Phase 2	2. DATE	3. IDENTIFICATION NUMBER		
INE NO.							3S ELEMENTS TITLE	6 PARTICIPANT WBS ELEMENT CODE	7 BUDGET AND REPORTING	8	9
Ī	1 2	2 3	4	5	6 7	8		CODE	NO.]	
43					х		Storage Pit and Wells	1.4.8.4.2.4.2.6.5	7350.660.500		
44					x		Outside Structures	1.4.8.4.2.4.2.6.6	7350.660.600		
45			l		x		Removal of Below ground serv. lines & equip	1.4.8.4.2.4.2.6.7	7350.660.700	1	
46					х		Removal of HEPA & other operating systems/services	1.4.8.4.2.4.2.6.8	7350.660.800		
47		1		X			Yard	1.4.8.4.2.4.2.7	7350.670		
48					X		Waste Holding Tanks	1.4.8.4.2.4.2.7.1	7350.670.100		
49					$ \mathbf{x} $	Ι.	Asphalt	1.4.8.4.2.4.2.7.2	7350.670.200		
50		1			x		Depression Area	1.4.8.4.2.4.2.7.3	7350.670.300		
51					X		Soil Excavation, Removal of underground service lines	1.4.8.4.2.4.2.7.4	7350.670.400		
52			X				Waste Disposal	1.4.8.4.2.4.3	7350.700		
53			``	x			Clean Waste	1.4.8.4.2.4.3.1	7350.700.100		
54				X			Hazardous Waste	1.4.8.4.2.4,3.2	7350.700.100 7350.700.2XX		
55	ı				\mathbf{x}		Segregation/Packaging/Documentation	1.4.8.4.2.4.3.2.1	7350.700.210		
56					x		Storage/Shipping/Disposal	1.4.8.4.2.4.3.2.2	7350.700.220		
57				X			Mixed Waste	1.4.8.4.2.4.3.3	7350.700.220 7350.700.3XX		
58					X	H	Segregation/Packaging/Documentation	1.4.8.4.2.4.3.3.1	7350.700.310		
59					X		Storage/Shipping/Disposal	1.4.8.4.2.4.3.3.2	7350.700.320		
60				Х			Structural Rad Waste	1.4.8.4.2.4,3.4	7350.700.4XX	İ	
61					X		Segregation/Packaging/Documentation	1.4.8.4.2.4.3.4.1	7350,700,410		
62					X		Storage/Shipping/Disposal	1.4.8.4.2.4.3.4.2	7350.700.420		
63				X		Ш	Soil And Paving Rad & Mixed Waste	1.4.8.4.2.4.3.5	7350.700.5XX		
64		1			X	H	Processing/Documentation	1.4.8.4.2.4.3.5.1	7350.700.510		
65					X		Shipping/Disposal	1.4.8.4.2.4.3.5.2	7350.700.520		
66				X			Machinery and Equipment Rad Waste	1.4.8.4.2.4.3.6	7350.700.6XX	!	
67					X	1	Segregation/Packaging/Documentation	1.4.8.4.2.4.3.6.1	7350.700.610		
68					X	П	Storage/Shipping/Disposal	1.4.8.4.2.4.3.6.2	7350.700.620		1
69			X				Irradiated Fuel Materials (100% DOE)	1.4.8.4.2.4.4	7340.800.		İ
70				X			Environmental Assessment	1.4.8.4.2.4.4.1	7340.800.100		
71				Х			IFM Disposal	1.4.8.4.2.4.4.2	7340.800.200		
72		X					Phase 2 Project Management	1.4.8.4.3.4			
73 74			X				Project Management	1.4.8.4.3.4.1	7350.900		
75				X X			Project Coordination	1.4.8.4.3.4.1.1	7350.900.100		
76				X			Operations Support	1.4.8.4.3.4.1.2	7350.900.200		
77				X		,	Project Plan/Project Management Plan Administrative Procedures	1.4.8.4.3.4.1.3	7350.900.300		
78			x	^			DOE Requirements Support	1.4.8.4.3.4.1.4	7350.900.400		
79			A	\mathbf{x}		1	Contract Support	1.4.8.4.3.4.2	7350.950		
80				x			PTS	1.4.8.4.3.4.2.1 1.4.8.4.3.4.2.2	7350.950.100		
81				x			EM-40 Requests	1.4.8.4.3.4.2.2	7350.950.200 7350.950.300		

Table I-2—Work Breakdown Structure
Part I - Index

1. PR		OJECT TITLE/PARTICIPANT General Atomics Hot Cell Project - Phase 3								2. DATE	3. IDENTIFICATION NUMBER		
LINE NO.	INDENTURE LEVEL								SS ELEMENTS TITLE	PARTICIPANT WBS ELEMENT CODE	7 BUDGET AND REPORTING	8	9
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	X			X X X X		6	7	8	Hot Cell D&D Decontamination & Decommissioning Phase 3 - Site Release Final Report Confirmatory Survey Site Survey/NRC Coordination Phase 3 - Project Management Project Management DOE Requirements Support	1.4.8.4 1.4.8.4.2 1.4.8.4.2.5 1.4.8.4.2.5.1 1.4.8.4.2.5.2 1.4.8.4.2.5.3 1.4.8.4.3.5 1.4.8.4.3.5.1 1.4.8.4.3.5.2	NO.		
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40													

4. MANAGEMENT APPROACH

Overall DOE Project responsibilities lie with the Assistant Secretary of Environmental Management (EM-1) who has further delegated authority to manage the Project to the Deputy Assistant Secretary of the Office of Environmental Restoration (EM-40) who assigned specific project management and oversight responsibilities to the DOE-HQ Program Manager, Northwestern Area Program (EM-44), Oakland Operation Division (EM-443). The management approach follows the principle of decentralization of project activities to a field office, in this case the DOE Oakland Operations Office (OAK), while providing for an appropriate level of approval oversight and reporting of project activities to DOE-HQ.

Within DOE-OAK, responsibility for management of the GA Hot Cell ER Project has been assigned to the Assistant Manager for Environmental Management and Support. Responsibility flows through the Director, Division of Environmental Restoration. The DOE-OAK Hot Cell ER Project Manager is James Davis III. DOE-OAK provides full support for the Project including Budget, Finance, Procurement, Quality Assurance, Environmental, Health and Safety, Personnel, External Affairs, Engineering, and Counsel. DOE-OAK has contracted with General Atomics to provide technical and operational management and services for the Project.

4.1 DOE Headquarters (HQ)

The Assistant Secretary to the Office of Environmental Management (EM-1) is the approving official who has overall responsibility and authority for the GA Hot Cell D&D Project. Some of the project responsibilities are delegated to the Northwest Area Program Office (EM-44) and further delegated to the Oakland Operations Division (EM-443) who will review and approve the Total Project Cost Estimate and changes thereto, the major headquarters approved milestones, the financial plan, any project scope changes above and beyond scope contractually agreed to, the D&D Work Plan and the Environmental Assessment. The Assistant Secretary to the Office of Environmental Management (EM-1) and the Deputy Assistant Secretary to the Office of Environmental Management (EM-40) have delegated these responsibilities to the Program Manager, Rod Cummings, for the GA Hot Cell Facility D&D Project. The Oakland Operations Division (EM-443) Director Anthony Kluk, through his Program Manager, acting as the HQ focal point and formal point of contact, shall perform the following:

- Review and approve the Project Plan and recommend this document for approval by the Director, Division of D&D.
- Provide overall technical and financial guidance to the Project, as necessary.
- Establish and monitor the HQ-controlled milestones and approved changes thereto.
- Obtain approval of Project schedule, cost, contingency, and technical baseline.
- Manage the independent verification contractor. Review and approve the final site certification and issue the Federal Register notice.
- Obtain approval for provision of funds through the Controller's office in the Approved Funding Program plan (AFP) issued monthly and changes thereto during the course of the Project. The AFP is the primary budget document for the current year.
- Periodically review and/or perform independent assessments of Project progress with respect to cost, schedule, and technical performance baselines, policies, HQcontrolled milestones, and provide the results of these reviews to management, as appropriate.

- Establish guidance regarding public, state, and federal interactions. Serve as focal point for contacts with the Office of Management and Budget, Congress, DOE-HQ offices, and international agencies.
- Participate in negotiations of all DOE Project agreements with state, university, local, and federal agencies to assure that programmatic goals and concerns are satisfied.
- Provide guidance with regard to release criteria and remedial action guidelines and approve site-specific guidelines, supplemental limits or exceptions, and ARAR selection.
- Review and concur with the Project Plan. Establish, review, and approve Project documents as required by Departmental Orders and other federal regulations.
- With the Project Manager's assistance, prepare HQ documentation as required for the Project. Coordinate HQ review and approval activities (e. g., major Project acquisition items, plans, reports) and expedite HQ interface activities and follow-up actions.
- Establish and implement any new DOE policy that is introduced to expedite the removal and cleanup action.

4.2 Oakland Operations Office (OAK)

The Assistant Manager for Environmental Management and Support has the responsibility and authority for the field management of the GA Hot Cell D&D Project, which includes the line management authority, interfacing with EM/HQ, responsibility and accountability for overall Project implementation and contract administration in a manner consistent with the approved Project Plan and other applicable documents and Department of Energy policies and orders.

4.2.1 Director for Environmental Restoration

The Director has the responsibility for the following:

- Select, monitor, and supervise the performance of the Project Manager and appropriate staff, and delegate to the Project Manager the authority for day-to-day implementation management and direction of the Project.
- Review and approve the Project Plan/Project Management Plan and methods to be used by the Project Manager.
- Review and approve all documents, as required, including Project environmental and safety documents prescribed by Departmental Orders or other federal regulations.
- Obtain approval of NEPA/environmental compliance documents and DOE agreements with local, state and federal agencies.

4.2.2 Project Manager

The Project Manager shall do the following:

- Serve as the DOE implementing official for the Project, responsible for executing the scope of work in accordance with the approved Project Plan and applicable HQ guidance.
- Establish and implement technical, cost, and schedule baselines. Achieve Project objectives in a cost-effective, safe, technically sound and environmentally acceptable manner, insuring the DOE policies and orders are fulfilled. Develop and obtain HQ concurrence in the Project Change-Control Board Policy and ensure implementation.
- Establish regularly scheduled Project reviews for HQ and OAK Management.

- Coordinate with the DOE-OAK Contracting Officer regarding the execution of procurement actions by the DOE-OAK Contracting Officer.
- Approve changes to the scope, schedule, and cost baseline within appropriate threshold levels.
- Provide technical management and direction to the prime ER contractor (GA) as the Contracting Officer's technical representative and evaluate unsolicited proposals relating to the Project.
- Direct GA in the development and approval of the GA Hot Cell D&D Project planning documents necessary for effective implementation of the Project.
- Through the established budgetary system, prepare and submit for HQ approval annual budget requests with supporting data, and request financial plan changes, site specific plan updates and ADS when necessary.
- Interact with the ER Contractor's Project Manager and the HQ Program Manager on Project activities, as appropriate. Maintain public/private sector interface and liaison, including interfaces with state, regional, and federal agencies on matters concerning the GA Hot Cell D&D Project. This will be done in concert with the DOE/GA Contract Amendments, in coordination with the HQ Program Manager, as appropriate, and in accordance with established HQ guidance.
- Review NEPA documents and submit to DOE-HQ and the NRC for review and approval, and propose remedial actions/response actions and submit supporting documents to ER/D&D for approval.
- Assist in the preparation and negotiations of all agreements with state, local, and federal agencies. Implement the program consistent with the signed agreements in concert with the DOE/GA Contract Amendments.
- Provide for implementation of Department Orders and policies on Project management, environmental, health, safety, engineering standards, quality assurance, security and safeguards, and other areas and ensure proper implementation by the contractor. Assure the preparation and review of all necessary safety, environmental, and otherwise required analyses and assessments. Review and approve other documents and plans to assure compliance with relevant DOE Orders and policies, as promulgated by DOE-OAK, after appropriate consultation with others (e. g., DOE-OAK staff and DOE-HQ).
- Administer, monitor, evaluate, and report progress through the development and use of appropriate Project management control systems.
- Provide for public communication and information dissemination as required in the Contract Modifications and by using the procedures to be developed in the Community Relations Plan. Coordinate and participate in Project conferences, symposiums, and workshops. Provide HQ the opportunity for informal review and concurrent, as appropriate. Support the international technology exchange by development of Project input for HQ use.
- Provide the DOE-OAK Management and the HQ Program Manager with timely information on significant Project events.
- Ensure that all items requiring HQ review and/or approval are submitted on a timely basis to permit adequate evaluations.
- Provide required reports in a timely manner to DOE-OAK Management and the HQ Program Manager.
- Submit the Project Plan to HQ Program Manager for approval and provide comment responses to all project documentation and plans reviewed by HQ.
- Provide the final certification for HQ approval and signature, certifying the radiological condition of the site following D&D and site remediation activities.

 Prepare all close out documentation for the site, assisting the DOE-OAK Manager and HQ Program Manager to bring the Project to completion.

4.3 Organization Chart

Figures I-4 and I-5 depict all participating organizations.

4.4 Industry Partner

DOE has contracted with General Atomics in a cost sharing arrangement as Prime Contractor and Site Manager of the General Atomics Hot Cell D&D Project.

The DOE-OAK Project Manager has delegated responsibilities to the General Atomics Project Manager, which include:

- DOE delegated official for the Project, responsible for executing the scope of work in accordance with the approved PP/PMP and applicable HQ guidance.
- Establish and implement technical, cost and schedule baselines. Achieve Project objectives in a cost effective, safe, technically sound and environmentally acceptable manner, insuring that DOE policies are fulfilled.
- Prepare Project reviews for HQ and DOE-OAK Management.
- Provide technical management and services as prime D&D contractor.
- Participate in the development and approval of the GA D&D Project planning documents necessary for effective implementation of the Project.
- Prepare and submit for DOE-OAK approval annual budget requests with supporting data, and request financial plan changes, when necessary.
- Interact as D&D Contractor with the DOE-OAK Program Manager on Project activities, as appropriate. Maintain public/private sector interface and liaison, including interface with state and regional federal agencies on matters concerning the GA D&D Project, coordinating with DOE-OAK Project Manager, as appropriate, and in accordance with established HQ guidance.
- Prepare NEPA documents and submit to DOE-OAK Project Manager for review and approval including coordination with ASEH for their review and approval.
- Assist DOE-OAK in the preparation and negotiations of all agreements with state, local and federal agencies. Implement the program consistent with the signed agreements.
- Provide for implementation of Department policies on Project management, environmental, health, safety, engineering standards, quality assurance, security and safeguards, and other areas and ensure proper implementation by the contractor. Assure the preparation and review of all necessary safety, environmental, and otherwise required analyses and assessment. Review and approve other documents and plans to assure compliance with relevant DOE policies, as promulgated by DOE-OAK, after appropriate consultation with others (e. g., DOE-OAK staff and DOE-HQ).



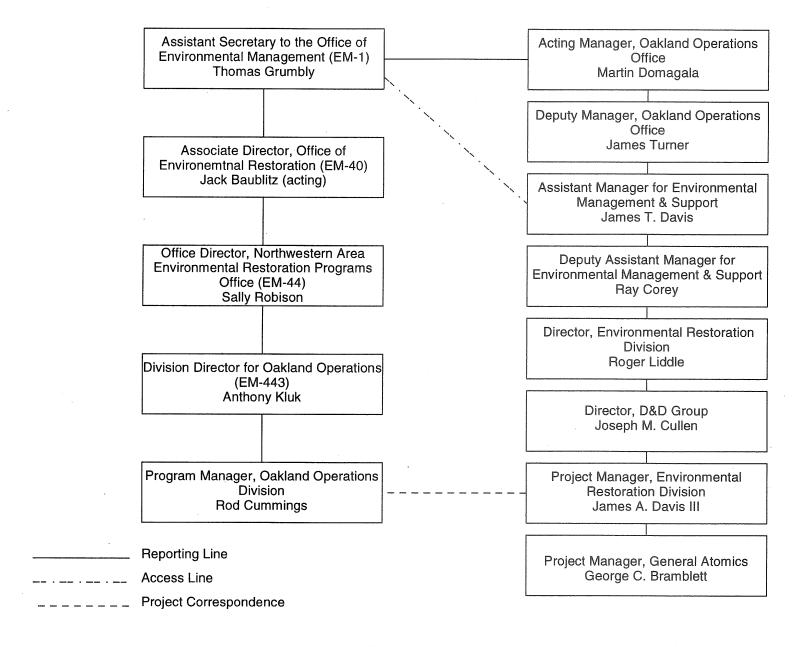


Figure I-4—DOE-HQ/Oakland Operations Office/GA D&D Project Organization



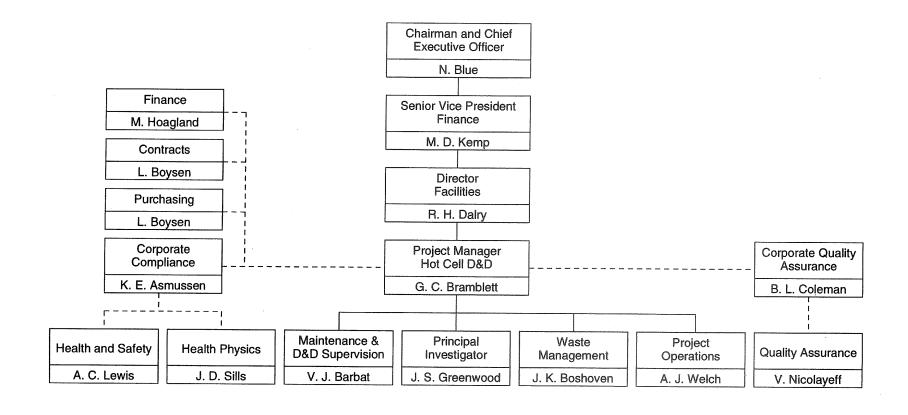


Figure I-5—GA Project Organization

- Administer, monitor, evaluate, and report progress through the development and use of appropriate Project management control systems.
- Provide for public communication and information dissemination. Coordinate and participate in Project conferences, symposiums, and workshops. Provide DOE-OAK the opportunity for informal review and concurrence, as appropriate. Support the international technology exchange by development of Project input for DOE-OAK use.
- Provide the DOE-OAK Project Manager with timely information on significant Project events.
- Ensure that all items requiring DOE-OAK review and/or approval are submitted on a timely basis to permit adequate evaluations.
- Provide required reports in a timely manner to DOE-OAK Project Manager.
- Prepare and submit the PP/PMP to the DOE-OAK Project Manager.
- Provide the final certification docket for HQ approval and signature, certifying the radiological condition of the site following D&D activities.
- Prepare all close out documentation for the site, assisting the DOE-OAK Manager to bring the Project to completion.

4.5 Project Transition

DOE-OAK and DOE-HQ have reviewed the Project Mission Objectives and have concluded this Project is a close out responsibility of DOE. It is recognized the HCF is a privately operated facility located on private property and operates under a NRC and CAL-DHS license (GA). It was determined that it would be in the best interest of the Government to assign GA as Prime Contractor and to execute Contract DE-AC03-95SF20798 for GA services. The contract contains clauses defining both the DOE's and GA's responsibilities and liabilities.

4.6 Plant Disposition

(Not Applicable)

4.7 Cleanup

The Project Scope is Facility D&D and Site Remediation, as required. There will be no "Site Cleanup" requirements at the completion of the Project.

4.8 Project Management Control/Reporting/Data Analysis

4.8.1 Controls

GA utilizes a Program/Resource Procedures Manual (P/RPM) which meets the requirements of government regulations and industry standards and has specific operating instructions for project, engineering, and support personnel. The GA P/RPM provides instructions and guidance for implementing program management, administration, planning, budgeting, scheduling, design, control, configuration management, design verification and support, research and development, procurement, roles and responsibilities of program resource personnel, and regulatory requirements.

Administrative procedures have been prepared for use in controlling the project, as follows:

HCD-1.1	Procedure Preparation
HCD-1.3	Indoctrination and Training
HCD-1.4	Communications Control
HCD-1.5	Operational Readiness Review
HCD-1.6	Technical Assessment

In addition, Project Directives are issued by the Project Manager to provide specific guidelines for technical and programmatic issues.

4.8.2 Reporting

A Project Manager's Progress Report will be prepared each week and transmitted via fax to the DOE Program Manager and Contracts Officer. This report will summarize activities for the week and planned activities.

A Monthly Report will be prepared and submitted by the 20th of the month following the reporting month. Two copies will be sent to the DOE Program Manager and one copy each to the DOE Finance Office and Contracts Officer. This report will be structured to follow the guidelines contained in the contract SOW. Appendix A shows the format used for the Cost Plan, Cost Performance Report, Labor Plan, Labor Management Report, and Milestone Schedule Status, which are included in the report.

4.8.3 Data Analysis

GA has in place a performance measurement system (PMS) for Contract Performance Measurement. The PMS is used to inform program and resource management of work progress and to highlight potential cost and schedule problems. Performance reports are generated by the GA PMS on a monthly basis. Labor hour reports are prepared each week and will be analyzed by the Operations Manager and Task Leaders against planned activities. Project costs by WBS number are reported each month by Finance. These cost reports form the basis for performance monitoring and preparation of the Cost Performance Report. Progress to scheduled milestones will be analyzed using the Microsoft Project management planning system software.

5. ACQUISITION STRATEGY

5.1 Acquisition Strategy

The DOE-OAK with DOE HQ approval has contracted with GA to complete the Project. This facility has supported DOE and private activities that have represented a facility utilization of 76% DOE and 24% private.

DOE-OAK and DOE-HQ have reviewed the Project Mission Objectives and have concluded this Project is a close out responsibility of DOE. It is recognized the HCF is a privately operated facility located on private property and operates under a NRC and CAL-DHS license (GA). It was determined that it would be in the best interest of the Government to assign GA as Prime Contractor and to execute Contract DE-AC03-95SF20798 for GA services.

5.2 Management Concepts

Acquisition strategy Project planning will incorporate technical, business, resource and miscellaneous management concepts in all documents required for Project approval and execution.

5.2.1 Management Information

Management information is limited in all areas of activity to information essential for effective control. This information will be obtained from the same databases used by the Contractor and that information will provide the data to be input into the DOE Progress Tracking System developed for proper project management, tracking oversight. A WBS has been developed as a framework for planning and assignment of responsibilities, contracting, and reporting progress.

5.2.2 Governmental Organization Utilization

DOE management and operating contractors, Government laboratories and R&D research centers will not be used in competition with private industry.

5.2.3 Affordability

Request for Proposal responses have been provided by GA to DOE describing the technical and financial magnitude of the resource commitment required to complete Phases 2 and 3. The Project Baseline will be amended as necessary.

5.2.4 Timeliness

Cost risks and technical (regulatory) risks will be minimized through coordination communications between the DOE, GA, the NRC and other regulatory agencies.

5.2.5 Competitive Concept Development

(Not Applicable)

5.2.6 Cost Estimates

Cost, schedule and technical estimates have been submitted in GA Proposal GACP 651-010.

5.2.7 Cost Participation

The contract arrangement with GA for allowable cost reimbursement is cost sharing. DOE is to reimburse GA for 76% of the shared allowable costs and 100% of the 100% DOE allowable costs. This sharing percentage is based on facility utilization funded by DOE Development Projects. All overruns on the Project will be the 100% responsibility of the Party at fault. There will be no net income generated from this Project in that the contract is cost reimbursable without fee. ADS activities will reflect DOE's commitment to complete this Project.

5.3 Project Acquisition Strategy Implementation

DOE HQ, following the principle of decentralization, has delegated major Project responsibility to the Oakland Operations Office.

DOE-OAK maintains site management control through the Terms and Conditions of the Contract, and various planning documents (i. e., PP/PMP and Status Reports).

5.4 Cost Share Agreement

The DOE and GA have agreed to share the actual cost of performance under contract as follows:

DOE 76% GA 24%

An exception to this is Task 16, Section 5.16 of the SOW dated January 12, 1996, "Transfer of the Irradiated Fuel Materials to a DOE Location for Storage." All costs associated with this task will be a 100% DOE responsibility.

There is no treatment of future changes in Project scope of an early termination. DOE retains the right of Termination for Convenience.

5.5 Major Contract Status

Contractor:

General Atomics

Work Performed:

Prime Contractor

Award Date:

August 14, 1995

Contract Value:

\$14,184,650 DOE; \$4,313,479 GA; \$18,498,129 Total

Contract Number:

DE-AC03-95SF20798

Contract Type:

Cost Reimbursable—No Fee

5.6 Subcontract Management

GA has submitted a Subcontracting Plan to the DOE (ref. GACP 651-010). This Subcontracting Plan has been developed implementing the provisions of Public Law 95-507, Federal Acquisition Regulation 52.219-9, the U. S. Department of Energy Acquisition Regulation 952.219-9, Executive Order 12138, and General Atomics' Policy No. CPM-215 applicable to Small Business and Small Disadvantaged Business, and will be managed accordingly.

It is the policy of GA that Small Business Concerns and Small Disadvantaged Businesses shall have the maximum practicable opportunity to participate in the performance of any contract let by the United States Government. GA agrees to carry out this policy in the awarding of Subcontracts to Small Business and Small Disadvantaged Business concerns. This policy will be carried out to the fullest extent consistent with efficient contract performance.

6. PROJECT SCHEDULE

The Phase 2 tasks will be completed in December 1999, Phase 3 is scheduled to complete in August 2000. A detailed schedule is provided in Appendix B.

7. RESOURCES PLAN

The Phases 2 and 3 Resources (Cost, Labor) Plans are shown in Appendix A. These plans show GA activities only and exclude all non-contract activity including DOE Field Office, DOE Headquarters and DOE sponsored regulatory and state coordination activities.

The Resources Plans will represent contractor estimated operating expenses of the Prime Contractor (GA). No plant or capital equipment expenditures are anticipated. The Resources Plans (Appendix A) will reflect by WBS, prior year, current year, and balance of activity for the Period of Performance.

8. CONTROLLED ITEMS/BASELINES

8.1 Controlled Baselines

The controlled baselines are performance (technical scope), schedule, and cost estimates.

Baseline (Total Project)						
Performance	1.	Facility Decommissioning				
(Technical Scope)	2.	Soil Remediation				
	3.	Final Site Survey				
	4.	Release to Unrestricted Use				
	5.	DOE Requirements Support				
	6.	Regulatory Compliance and Environmental Monitoring				
	7.	QA Support				
	8.	Health and Safety Support				
	9.	Project Management		·		
Schedule		Project Start Date—April 1993 (Phase 1 Start Date)				
		Scheduled Completion Date—August 13, 2000				
Cost		Total Cost Estimate *:	DOE	\$23.9		
			GA	<u>5.6</u>		
			Total	\$29.5		

^{*} Includes Phases 1, 2 and 3

8.2 Baseline Change Control Board (BCCB)

The following thresholds will determine the requirement for a Baseline Change Control Board (BCCB) meeting.

Thresholds				
Technical (Scope)	Changes which impact the Scope of Work	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Schedule	>± 3 months to Phases 2 and 3 completion dates			
Cost	>± 10% of contract value			

8.3 Performance Objective Changes

Changes to performance objectives as expressed in Project Baselines (performance scope, schedule, cost estimate) will be formally documented, describing the changes in performance scope, schedule and/or cost estimate. These documented changes will be forwarded to DOE-OAK for implementation and execution through contract modifications.

9. SCHEDULED DECISION POINTS

Key DOE decision and approval points for the total Project are summarized in Table I-3.

Table I-3
DOE Decision/Approval Points

PP/PMP	¥.
Waste Disposal Site Authorization	7.051
Fuel Disposition Site Authorization	
Site and Facility Characterization Initiation	Digital No.
Project Baselines (Phases 2 and 3)	
D&D Plan Approvals	
Action Description Memorandum (ADM)	
Environmental Assessments (EA)	
Finding of No Significant Impact (FONSI)	
Authorization to Commence Phase 2 Activities under the Decommissioning Plan	
Completion of Phase 2	
Authorization to Commence Phase 3	
Approval of Final Closure Report to release HC Site and Facility for unrestricted us	e

10. PROJECT CHARTER

The GA Hot Cell D&D Project Charter delineates management responsibility, authority and accountability for the Project. It establishes the operational management relationships between Headquarters and Field Project Management organizations.

10.1 DOE Managing Organization

Environmental Restoration Division, Oakland Operations Office and Office of Environmental Restoration (EM-40).

10.2 DOE Project Manager

James A. Davis III is the DOE-OAK Project Manager for the GA Hot Cell D&D Project.

10.3 DOE Project Management Office

The DOE Project Management Office is located at the Oakland Operations Office.

10.4 Support

The DOE Project Manager will receive support from:

- Environment and Safety Support, Oakland Operations Office
- Waste Management, Oakland Operations Office
- Financial Management Division, Oakland Operations Office
- Contracts Management Division, Oakland Operations Office
- Environmental Planning and Technology Division
- DOE/RL, Waste Management Division
- DOE/ORNL, Operations Office
- General Atomics (Site Prime Contractor)

10.5 Authority

The DOE Project Manager authorities include:

- DOE Order 4700.1 (Chapter II, Part A/Attachment II-3, Chapter II, Part B)
- Project Plan/Project Management Plan

10.6 Reporting Channel

See Figure I-4.

10.7 Special Instructions/Delegations

None.

10.8 Transition/Termination Plan

The GA Hot Cell D&D Project will be terminated (complete) upon NRC/CAL-DHS certification for release to unrestricted use and agreement that the terms and conditions of Contract No. DE-AC03-95SF20798 have been met.

PART II PROJECT MANAGEMENT PLAN

1. INTRODUCTION

1.1 Background

In support of company efforts involving predominantly government funded nuclear research and development (R&D), General Atomics (GA) has continuously maintained a fully operational Hot Cell facility for over 30 years. Built in 1958 as a heavily shielded remote-handling laboratory, the facility has supported a wide variety of radiologically hazardous and/or toxic experimental operations.

The hot cells have been used to perform post-irradiation examinations on fuels, structural materials, instrumentation, and for dosimetry. Most of the Projects involved examination of irradiated fuel and graphite for High Temperature Gas-Cooled Reactors (HTGR). Some of the very earliest examinations involved Hastelloy X-clad uranium oxide-beryllium oxide fuel for the Marine Gas Cooled Reactor (MGCR), which later was called the Experimental Beryllium Oxide Reactor (EBOR). The UO₂-BeO fuel for the EBOR was made in the part of the GA Hot Cell building that is currently the machine shop.

More recently, the Hot Cell facility has been used for the examination of thermionic fuel elements (TFE) for space power application.

Usage of the Hot Cell has dropped significantly over the past years. This in conjunction with the continuing private industrial development around the site prompted the decision to decontaminate and decommission (D&D) the facility and remediate the surrounding area if necessary for release to unrestricted use.

1.2 Scope

The scope of work continues the efforts from Phase 1 leading to regulatory release of the Hot Cell Facility and surrounding site to unrestricted use. The primary intention of Phases 2 and 3 is to accomplish the tasks as described in the Decommissioning Plan (PC-000423). The work scope is itemized below.

- 1. Reduce the concentration of individual radionuclides which could contribute to residual radioactivity to regulatory prescribed clean-up limits and levels;
- 2. Reduce and/or remove from the site any hazardous constituents of concern found at levels above regulatory prescribed levels and limits;
- 3. Dismantle the HCF;
- 4. Dispose of all HCF generated radiologically contaminated construction debris;
- 5. Implement the commitments in the Site Treatment Plan for DOE mixed wastes at GA as applicable to the Project;
- 6. Ensure the site generated hazardous wastes and clean wastes are treated and disposed of in accordance with all applicable orders, laws and regulations;
- 7. Remove the HCF foundation and dispose of the generated material:
- 8. Dispose of Phase 1 low-level waste (LLW), mixed low-level waste (MLLW), and hazardous waste;

- 9. Provide the systems and procedures necessary, including continued surveillance and maintenance, to ensure protection of the health and safety of the workers, the environment, and the public from contamination associated with the HCF decommissioning and site remediation activities;
- 10. Provide the physical security and material accountability measures required for decommissioning;
- 11. Remediate groundwater, if necessary, to acceptable levels to be negotiated between DOE and GA;
- 12. Perform site final radiation and hazardous material surveys;
- 13. Prepare the Site Closure Report and coordinate confirmatory studies activities with the appropriate parties;
- 14. Obtain NRC and CAL-DHS release of the site for unrestricted use;
- 15. Assist DOE in completion of the Environmental Assessment for transfer of the Irradiated Fuel Materials (IFM) to a DOE location for storage;
- 16. Store the IFM in GA Building 30 for a period up to August 13, 2000; and
- 17. Transfer the IFM to a DOE designated location for storage.

1.3 Primary Participants and Contracts

The DOE-OAK, has contracted with GA (DE-AC03-95SF20798) to perform Phases 2 and 3 of the D&D Project.

Primary subcontractors to GA are:

National Surface Cleaning, Inc.—Asbestos Removal Westinghouse Hanford Co.—Waste Disposal Envirocare of Utah, Inc.—Waste Disposal Ries Construction—General Contractor Services

1.4 Plan Organization

This PMP has been organized in a manner consistent with the Project goals.

Related documents are listed in Section 21.0, References.

1.5 Implementation

After review and approval by GA, approval is required by DOE-OAK.

Copies of the PMP and revisions thereto will be distributed in a controlled manner. The initial issue of the PMP and all changes will be provided to personnel identified on a distribution list approved by the Hot Cell D&D Project Manager.

Revisions to the PMP will be reviewed, approved, and controlled in the same manner as the original issue.

2. OBJECTIVES

2.1 Hot Cell D&D Objectives

The objective of this Project is to remove contamination from the Facility and surrounding site resulting from past and present DOE funded activities. The site is to be approved by the NRC and CAL-DHS for release to unrestricted use by GA.

The subject of this PMP is the implementation of Phases 2 and 3 of the Hot Cell D&D Project and will:

- 1. Assure that the facility meets the NRC and CAL-DHS health and safety levels.
- 2. Provide surveillance and maintenance to maintain the site and facility in compliance with the NRC license and applicable Federal, State and local regulations.
- 3. Dispose of contaminated waste, including soil, from the site.
- 4. Remove the irradiated fuel materials from the facility.
- 5. Coordinate a confirmatory survey to verify that the site can be released to unrestricted use.
- 6. Prepare a closure report.

2.2 Technical Objectives

- 1. Removal of irradiated fuel from the Hot Cell and eventual transfer off-site to a DOE designated location.
- 2. Removal and disposal of contaminated waste.
- 3. Prevent the creation of additional waste streams during D&D operations.
- 4. Minimize the volume of LLW through decontamination activities.

2.3 Economic Objectives

It is the objective of this Project to minimize the D&D costs as much as possible while assuring the health and safety of the Project staff and the public. The estimate at completion for Phases 2 and 3 is \$18.5 million. Details are shown in the Cost Plan (see Appendix A).

2.4 Schedule Objectives

The objective is to obtain release to unrestricted use by the end of FY00. A detailed schedule for the Project is presented in Appendix B.

Major milestones for Phases 2 and 3 are:

Removal from Hot Cell of HTGR/RERTR Fuel Operational Readiness Review Final PP/PMP Final Health and Safety Plan Final QA Program Plan Draft Closure Report Final Closure Report

3. MANAGEMENT ORGANIZATION AND RESPONSIBILITIES

3.1 Project Overview

DOE has contracted with General Atomics in a cost sharing arrangement as Prime Contractor and Site Manager of the General Atomics Hot Cell D&D Project. The DOE organization and the DOE Project Manager's ties with the GA Project Manager are depicted in Figure II-1.

The GA Hot Cell D&D Project management philosophy is to build upon the Phase 1 accomplishments and organization and to incorporate lessons learned from prior decommissioning Projects, good management practices, and direct lines of communication. Emphasis is placed on clear, concise Project task definitions including staff responsibilities, specifications, criteria, costs, schedule, and resource requirements.

3.2 Project Organization

The Project organization chart for the work discussed in this PMP is shown in Figure II-2. This Project is organized within the GA corporate structure to assure high management visibility and priority. The organization will be supported by other GA technical and administrative personnel as required. Overall responsibility for the Project lies with the Project Manager.

The roles of the GA Project staff are described below:

- Alan Lewis is responsible for the Health and Safety (H&S) function. He reports to Dr. Keith Asmussen, Director of Licensing, Safety and Nuclear Compliance (LS&NC), and also has a direct line of communication with Mr. George Bramblett, Hot Cell D&D Project Manager. In this Project capacity, Alan receives appropriate H&S assignments directly from the Project Manager.
- Judd Sills is responsible for all Health Physics related tasks. He also reports to Dr. Keith Asmussen (LS&NC) and has a direct line of communication with the Project Manager. Judd will be a major contributor to the success of the Project.
- Virgil Barbat is responsible for maintenance of the Hot Cell site and facility and supervision of the D&D personnel at the Hot Cell. He reports directly to the Project Manager.
- John Greenwood is the Principal Investigator for the Hot Cell, providing technical support to the Project Manager.
- Jack Boshoven is responsible for waste management interface with the Nuclear Waste Processing Facility and waste disposal sites.
- Alan Welch is responsible for records management, configuration control, planning and scheduling, and supporting DOE requests on project administrative tasks. He reports directly to the Project Manager.
- Vlad Nicolayeff is responsible for Quality Assurance (QA) on the Project. He reports
 to Mr. Billy Coleman, Director of QA and also has a direct line of communication
 with the Project Manager. Vlad is responsible for assuring that the Project staff
 comply with GA site and project specific plans and procedures through reviews,
 assessments, and audits.



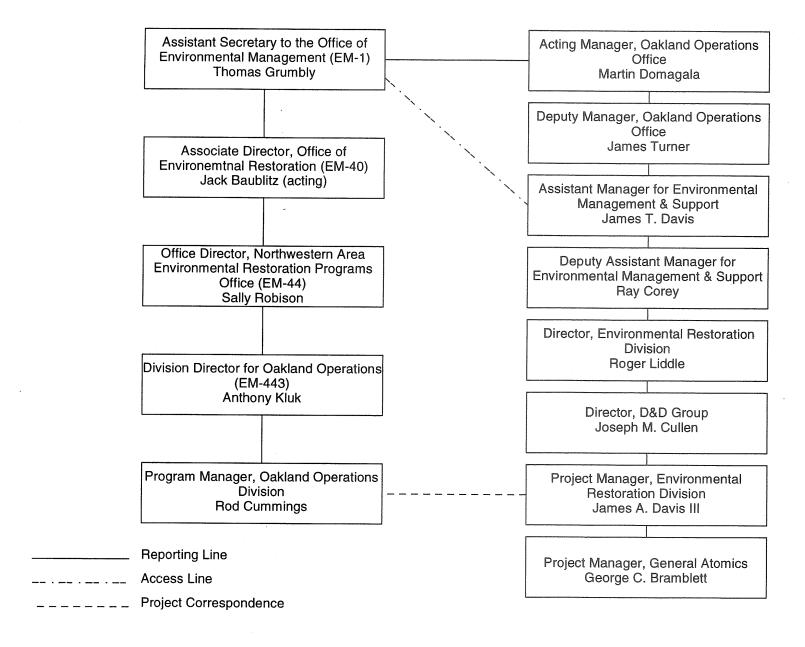


Figure II-1—DOE-HQ/Oakland Operations Office/GA D&D Project Organization

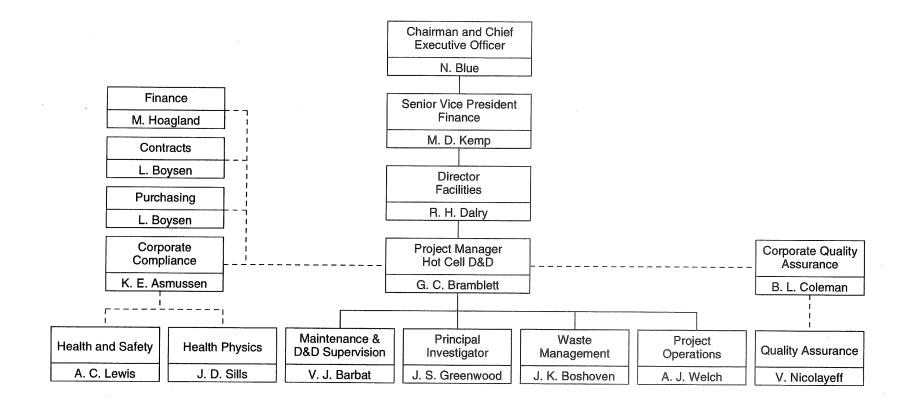


Figure II-2—Project Organization

All of the above mentioned staff interface on a daily basis as needed. On a regular basis, usually weekly, the Project Manager holds a staff meeting which may also include representatives from Finance, Contracts, Nuclear Waste Processing Facility, Licensing, Safety & Nuclear Compliance, and Human Resources for an update on progress and general discussions. Separate meetings are called on specific topics on an as needed basis for appropriate staff members and other GA support groups and/or subcontractors.

The principal support functions at GA for the Hot Cell D&D Project are part of the Licensing, Safety, and Nuclear Compliance Division which includes Health Physics, Nuclear Materials Accountability, Nuclear Safety, Statistics and Measurement Control, Criticality and Radiation Safety Committee, Emergency Services, Industrial Safety, and Industrial Hygiene. Their support requirements are listed below.

- Director, Licensing, Safety, and Nuclear Compliance (LS&NC)
 - Administering licenses and review and approval of all Work Authorizations (WAs).
 - Interpreting licensing requirements and regulations.
 - Administers NMA, NS, IS, and IH.
 - Focal point for interface with governmental regulating agencies on compliance issues.
- Health Physics (HP)
 - Assuring compliance with Title 10 Code of Federal Regulations, Parts 19 and 20.
 - Providing personnel for reviewing WAs.
 - Personnel radiation monitoring.
 - Maintaining a laboratory of monitoring equipment.
- Nuclear Materials Accountability (NMA)
 - Assuring compliance with SNM custody.
 - Maintaining and operating storage areas for interim and long term storage of radioactive materials.
 - Assuring the safe and proper transport of radioactive material.
- Nuclear Safety (NS)
 - Assuring nuclear criticality safety.
- Statistics and Measurement Control (SMC)
 - Overseeing all measurement processes directly related to the accountability of SNM.
- Emergency Services (ES)
 - Assuring adequate fire and safety protection.
 - Responding to all emergencies.
- Industrial Safety (IS)
 - Reviewing operations involving hazardous work, employee training, and safety inspections.
 - Organizing safety committees and conducting regular meetings.
- Industrial Hygiene (IH)

- Maintaining a master file of Material Safety Data Sheets (MSDS).
- Training personnel in the handling of hazardous materials.

3.3 Staffing

A labor plan which utilizes the employee levels described below is shown in Appendix A.

EMPLOYEE LEVELS								
Employee Level	Typical Title	Typical Qualifications						
M	Division Director Project Manager	M.S., Ph.D., or equivalent plus 20 years of pertinent experience. Recognized senior expert in field. Responsible for directing, planning, and managing major programs.						
5	Senior Technical Advisor Senior Principal Engineer Department Manager	M.S., Ph.D., or equivalent plus 20 years of pertinent experience. Internationally recognized authority in field, or responsible for planning and management.						
6	Senior Staff Engineer Principal Engineer Branch Manager	M.S., Ph.D., or equivalent plus 15 to 20 years of pertinent experience. Recognized expert in field. Responsible for planning and management.						
7	Staff Engineer Senior Section Leader	B.S., M.S., Ph.D., or equivalent plus 10 to 15 years of pertinent experience. Recognized specialist in field. Mature professional.						
8	Senior Engineer Section Leader	B.S., M.S., Ph.D., or equivalent plus 5 years of pertinent experience. Maturing professional.						
9	Engineer	B.S., M.S., or equivalent plus 2 years of pertinent experience. Emerging professional.						
10	Associate Engineer	B.S. or equivalent with minimal pertinent experience. Junior professional.						
Senior non-exempt (SN)	Senior Technician	Specialized schooling and training plus 10 years of pertinent experience. Works under minimal supervision of senior exempt technical/management personnel.						
Non-exempt (NE)	Technician	Specialized schooling and training plus 5 years of pertinent experience. Works under general guidance and supervision of more senior technical personnel.						

4. WORK PLAN

The planned steps toward a successful Project completion are:

- Removal of HTGR/RERTR fuel from the Hot Cell
- Operational Readiness Review
- Decontamination activities
- Removal, packaging, shipping of contaminated waste from the Facility
- Structural dismantlement, including wells
- Soil remediation
- Confirmatory survey
- Closure report

Release to unrestricted use

The Project will be accomplished using the plans listed below and supporting procedures which were prepared during Phase 1.

PC-000423	Decommissioning Plan
PC-000420	Hazards Analysis
PC-000395	Hot Cell Site and Facility Characterization Plan, Appendix A—
	Environmental Monitoring Plan
PC-000395	Hot Cell Site and Facility Characterization Plan, Appendix D—
	Surveillance and Maintenance Plan
PC-000457	Safeguards and Security Measures for the Irradiated Fuel Materials
	Temporary Storage Facility
PC-000389	Low-Level Waste Certification Plan
PC-000424	Hot Cell Site and Facility Characterization Report
PC-000421	Waste Minimization Plan
PC-000418	Asbestos Survey Document
PC-000439	Asbestos Investigation—Building 23, Hot Cell
PC-000440	Concrete and Soil Sampling and Testing

The applicable quality assurance regulations and standards which apply to the Hot Cell D&D Project are:

- Code of Federal Regulations Title 10, Part 71, "Packaging and Transportation of Radioactive Material," Subpart H, "Quality Assurance."
- ASME NQA-1-1989, "Quality Assurance Program Requirements for Nuclear Facilities."

QAPP-7340 addresses implementation of controls to meet these regulations and standards.

The Licensing, Safety and Nuclear Compliance Division oversees compliance with federal, state, and local regulatory requirements, environmental monitoring activities, and health and safety practices.

5. WORK BREAKDOWN STRUCTURE

The WBS is a multi-tiered frame work which is used to organize and accomplish elements of work in logical relationships. Each WBS element is essentially a work package which is scheduled, budgeted and performance tracked by WBS element code number. The cost and schedule performance is reported each month on the Cost Performance Report and Labor Management Report. Each of the WBS tasks is described in the WBS Dictionary (Appendix C). The cost and labor content of each WBS element was used in developing the Cost Plan and Labor Plan shown in Appendix A. The WBS also allows for segregation of costs by that which is a DOE responsibility and that which is a GA responsibility and by ADS (ADS SF-1484-02 and -03).

This Project is defined as WBS Element 1.4.8.4, General Atomics Hot Cell Facility D&D Project in the statement of work for contract DE-AC03-95SF20798. This element is defined as the top level WBS for setting up accounts on this Project.

The WBS Index is shown as Table I-2 in the Project Plan.

6. SCHEDULE

The schedule developed for this Project is shown in Appendix B.

7. LOGIC DIAGRAM

A logic diagram is included as Appendix D.

8. PERFORMANCE CRITERIA

Project performance criteria will be based on guidelines established in Section 11. Project Management, Measurement, and Planning and Control Systems.

Specific performance criteria for each WBS element is reflected in the cost and labor plans (Appendix A) which were compiled to achieve the Project objectives through accomplishment of the WBS tasks described in the WBS dictionary (Appendix C) in conjunction with the Project schedule (Appendix B).

9. COST AND MANPOWER ESTIMATES

Detailed cost and labor plans are included in Appendix A. Estimates by fiscal years are shown below.

	95	96	97	98	99	00	Total
Estimated Cost							
DOE	334	2,915	3,600	4,000	3,000	336	14,185
GA	104	851	1,116	1,170	932	140	4,313
Total	438	3,766	4,716	5,170	3,932	476	18,498
Estimated Labor Hours	3,503	33,215	39,270	41,139	31,456	5,270	153,853

10. PROJECT FUNCTIONAL SUPPORT REQUIREMENTS

The relationships between the project office, field office, and headquarters with respect to project functional support requirements is described in Project Charter, Section 10 of Part 1.

Conflicts in performance of the contract would be resolved through the provisions of the appropriate contract clause(s).

11. PROJECT MANAGEMENT, MEASUREMENT, AND PLANNING AND CONTROL SYSTEMS

11.1 Project Management

The management approach for the Decontamination and Decommissioning of the Hot Cell will be consistent with the requirements of the Contract Statement of Work (SOW).

General Atomics uses a Program/Resource Procedures Manual (P/RPM) which meets the requirements of government regulations and industry standards and has specific operating instructions for Project, engineering, and support personnel. The GA P/RPM provides instructions and guidance for implementing program management, administration, planning, budgeting, scheduling, engineering, and configuration management.

Section 3 of this PMP discusses the Project's management organization and responsibilities. This management organization will be responsible for the execution of the Project.

In performing these functions, the Project Management Organization will:

- 1. Establish the Project Cost and Labor Baselines for the purpose of reporting cost and schedule performance.
- 2. Integrate all activities (such as organization, planning and budgeting accounting, analysis, and change control) directly related to or supporting the Project to meet the Project objectives.
- 3. Manage all interfaces during execution of the Project.

11.2 Planning

11.2.1 Scheduling

The tasks will be indentured to establish measurable milestones in terms of cost and schedule.

11.2.2 Budgeting

Each WBS element will have a cost and labor budget. From this basis the Cost Plan and Labor Plan will be developed.

11.3 Measurement

11.3.1 Earned Value Method, Calculation and Use

Detailed variance analysis is essential for proper Project cost and schedule control, and provides the ability to take effective corrective action in a timely manner. The basis of this process will be the WBS which will provide the breakdown of the work into manageable size elements. Each of these elements will allow the Operations Manager to assess who is working on the individual tasks and to track the cost.

Progress will be measured by the application of consistent methods for determining earned value, i.e., "Budgeted Cost of Work Performed" (BCWP). This is based on the

percent of baseline work achieved. The Operations Manager will be responsible for selecting the most applicable earned value method for a work package or task. Earned values will be tied to an appropriate milestone except for level of effort tasks such as management functions, QA support and Health and Safety support.

Cost and schedule performance measurement data will be reported to the DOE-OAK monthly through the Monthly Report and electronically into the DOE Progress Tracking System (PTS).

Two (2) basic earned value methods (Milestones and Level of Effort) will be implemented on this Project. Descriptions of these methods are provided in the following paragraphs.

11.3.1.1 Milestone Method

Discrete work will have milestones that are planned to occur during the course of the effort. Full credit of the BCWP will only be earned after completion of the milestones. Partial credit will be earned for tasks in progress but not completed.

11.3.1.2 Level of Effort Method

The Level of Effort is a non-measurable type of BCWP. Level of effort work packages "earn" BCWP equal to the planned Budgeted Cost of Work Scheduled (BCWS) with the passage of time. Budgeted cost for work scheduled for Level of Effort tasks is planned based on anticipated resource requirements to perform management, administration, or continuously repetitive type of tasks or activities.

11.3.2 Comparison of Actual Versus Planned Performance.

The generation of cost performance reports produced by the GA management control system will provide a numerical calculation of actual versus planned performance based on the earned value calculations for each individual task element, i.e., cost account. These calculations will be used in preparing the Cost Performance Report and Labor Management Report. Progress will be reported graphically as discussed in Section 12.0, Information and Reporting.

11.3.3 Variance Analysis

Cost and schedule variances occur when a deviation from the established baseline exceeds certain threshold values (in percent or dollars). A Cost Variance (CV) is the difference between the earned value of the budgeted cost of work performed (BCWP) and the actual costs reported (Actual Cost of Work Performed, [ACWP]) for the same item of work. A Schedule Variance (SV) is the difference between the BCWP and the budgeted cost of work scheduled (BCWS) to be accomplished. These variances can be expressed as follows:

$$CV = BCWP - ACWP$$
, $SV = BCWP - BCWS$

Whenever a cost and schedule variance condition exists exceeding 10% of the budgeted project value, a Variance Analysis will be prepared and reported in the Monthly Cost Report. This report will include the dollar value and percent of the variance, as well as analysis of the problem, the impact on the scope, schedule and/or cost, and, where appropriate, a description of the corrective action to be initiated.

11.3.4 Estimate at Completion

An important function of the Cost Performance Reports is the reporting and determination of the Estimate at Completion (EAC) data. The EAC is a summary of the actual total direct and indirect costs (ACWP), expended through a specified date, plus the estimate of costs (direct and indirect) to complete the remaining authorized work (Estimate to Complete, ETC).

At the beginning of the Project, the budgeted cost is equal to the EAC. As the Project work continues, the EAC becomes the ACWP plus the ETC. The EAC must consider the performance to date and an update of the Projections of future performance. In other words, for example, if a task is 50% complete but 60% of the funds are expended, but the task leader feels that the future performance will increase, the EAC for the task will remain the baseline EAC. However, if the task leader feels that the future performance will remain the same or will decrease, the estimated total effort will be increased thereby increasing the EAC. On the other hand, if tasks can be accomplished under the budgeted effort, the estimated effort will be decreased thus reducing the EAC for the task.

The EAC will be developed on the following basis:

• A monthly review of the EAC for each reporting task will be made based on an analysis of progress and will be updated as warranted.

The EAC will be monitored to provide identification of any potential cost problems in time for corrective action to be taken by the Project Manager.

The EAC data will be included in the Monthly Cost Performance Report.

12. INFORMATION AND REPORTING

12.1 Project Documentation

Project documentation will be as required by Contract No. DE-AC03-95SF20798.

Deliverable documents, other than as shown under Section 12.2, Reporting Requirements, are:

Project Plan/Project Management Plan
Health & Safety Plan
Quality Assurance Program Plan
Closure Report
Release Report
ORR Report
Irradiated Fuel Materials Transfer ORR Report
Irradiated Fuel Materials Transfer and Storage Procedures

12.2 Reporting Requirements

12.2.1 Project Manager's Progress Report

The Project Manager will provide to the DOE a weekly Project status report. This report will summarize activities for the week and planned activities.

9.25°

12.2.2 Monthly Cost Report

The monthly cost report will be structured in the following format:

12.2.2.1 Status Report

The status report is the Project Manager's narrative assessment of the work being performed under the contractual agreement. The report includes funding status, a description of activities, and variance analysis.

12.2.2.2 Cost Performance Report

A table showing the status of each WBS. The baseline for this report is the Cost Plan. The table will include the following for the month being reported, and cumulative to date:

- a. Actual Cost against each cost account for the month (ACWP).
- b. Planned budget expenditure to complete the work actually performed to date in the cost account (BCWP).
- c. The budgeted cost expenditure to complete the work originally scheduled for completion by the end of the month (BCWS).
- d. The variance between the work actually performed and the work scheduled to be performed (SV).
- e. The variance between the money actually spent in performance of the work and the money budgeted to be spent in performance of the work (CV).

The table will also include an estimated cost at the completion of the work.

12.2.2.3 Labor Management Report

This is a table which reports the status of actual and Projected labor expenditures and their variances. The basis for the Labor Management Report is the Labor Plan.

12.2.2.4 Cost Plan

The Cost Plan establishes the plan for accruing total costs for the life of the contractual agreement. The time-phased baseline plan establishes the basis for the measurement of actual cost accumulation and provides basic information for updating and forecasting budget requirements. The Cost Plan itemizes accrued costs for prior fiscal years, the current fiscal year by month, and future fiscal years until completion of the contractual agreement.

12.2.2.5 Labor Plan

The Labor Plan establishes the planned utilization of labor for the term of the contract and addresses the total labor to be utilized to perform the agreed work. It itemizes labor requirements for prior fiscal years, the current fiscal year by month, and future fiscal years until contract completion.

12.2.2.6 Milestone Schedule Status Report

Provides the WBS overall task durations, the associated milestone completion dates, and the progress to schedule.

12.2.2.7 Summary Report

This is a graphic depiction of the Project's progress showing the BCWS, BCWP, and ACWP.

12.2.2.8 Progress Tracking System (PTS) Report

GA will provide input to the DOE PTS separate from the Monthly Cost Report. The basis for the input will be the Cost Plan (ref. Appendix A) and actual costs.

12.2.2.9 Trend Reports

The following Trend Reports will be provided on a semi-annual basis:

Waste Minimization
Violations and Findings
Environmental Releases
Public Radiation Doses
Regulatory Commitments
Occupational Radiation Doses
Exposure Prevention

12.2.2.10 Waste Shipping Reporting

GA will provide copies of all shipping documents to the DOE PM for review at least one business day prior to shipment of waste. GA will also provide copies of all final shipping documents to the DOE PM after shipment.

12.3 Review Meetings

Internal project reviews will be held periodically by the Project Manager. In addition, review meetings will be held between GA and the DOE-OAK as requested by the DOE-OAK.

12.4 Records Management Plan

Technical documents are subject to the requirements of the GA Program/Resource Procedures Manual (P/RPM), QAPP-7340 and project administrative procedures. After a technical document is issued or released, the original is kept in the Records Center vault and a microfilm is made and filed in an independent fire proof vault. Changes to the documents are subject to rigorous controls as discussed in the procedures.

Contractual and Project documents and correspondence are maintained in the files of the GA Contracts Departments and/or Project Manager's files. All technical data contained in these files is incorporated in technical documents and controlled as discussed above.

12.5 Security Plan

General Atomics has in place a plan which identifies those security controls and physical protection measures which are employed to meet the requirements of 10 CFR 73.60 and those of 10 CFR 73.67 for the protection of all locations having SNM of moderate and low strategic significance. This plan will be reviewed and updated, if appropriate.

12.6 Public Information on the Project

GA will provide information to interested parties such as information packets and fact sheets as appropriate.

13. SYSTEMS ENGINEERING MANAGEMENT

This section is not applicable to the Hot Cell D&D Project.

14. CONFIGURATION MANAGEMENT

GA uses a Program/Resource Procedures Manual (P/RPM) which meets the requirements of government regulations and industry standards. Included in the P/RPM is the Configuration Management Plan. The Configuration Management Plan ensures that documentation is controlled to meet contractual and legal requirements and industrial code standards. Four areas of work comprise the Configuration Management System: 1) Configuration Identification, 2) Configuration Control, 3) Configuration Status Accounting, and 4) Configuration Audits. The Configuration Management Plan is further supplemented by project specific administration procedures.

Control of Project documentation (monthly reports, QAPP, plans, technical reports) will be handled as described in QAPP-7340 and administrative procedures. In addition all GA contract related internal correspondence and all contract related outgoing external correspondence will be filed, indexed, and stored in the Engineering Data File (EDF).

15. CONTINGENCY

The GA budgeting process provides for establishing budgets at a task level for all authorized work without inclusion of a contingency. Information will be provided to the DOE-OAK to facilitate determination of a need for a contingency in their budget.

The Director of Contracts is responsible for negotiating changes with the DOE-OAK Contracting Officer. If the need arises for changes in schedule or budget, the Project Manager will provide details of the change, with justification, to the Director of Contracts. Preliminary discussions on changes may be held between the GA and DOE-OAK to help clarify and define the required changes. However, all formal negotiations for changes are the responsibility of the Contract Administrator assigned to this task.

16. QUALITY ASSURANCE

The GA QA program for this Project is described in GA Document QAPP-7340 and in the GA Quality Assurance Manual. It establishes the basic quality assurance requirements and approach governing activities performed by GA in providing services for the Hot Cell D&D effort.

The GA QA program has been reviewed and accepted by the NRC Performance and Quality Evaluation Branch, Division of Reactor Inspection and Licensee Performance, Office of Nuclear Reactor Regulation, as well as by the NRC Transportation Branch, Division of Industrial and Medical Nuclear Safety, Office of Nuclear Material Safety and Safeguards.

QAPP-7340 meets the requirements of the following quality assurance regulations and standards which apply to the Hot Cell D&D Project:

- Code of Federal Regulations Title 10, Part 71, "Packaging and Transportation of Radioactive Material," Subpart H, "Quality Assurance."
- ASME NQA-1-1989, "Quality Assurance Program Requirements for Nuclear Facilities."

17. UTILITY SERVICES

Sufficient services are currently available to meet Project needs.

18. RESPONSIBILITY MATRIX

Table II-1 presents a responsibility matrix at WBS Level 3.

Table II-1—Responsibility Matrix

Decision	DOE-HQ	DOE-OAK	Project Manager	Operations Manager	Contract Administrator*	Financial Representative
Change in Budget	A	A	R, A	C, I	A	I
Allocate Manpower			R, A	C, I	_	
Change in Work Scope	C, A	R, A	R, A	C, I	A	
Change in Schedule	A	A	R, A	C, I	A	I

R = Responsible

19. ANNEXES

19.1 Advance Acquisition or Assistance Plan (AAAP)

(Not Applicable)

19.2 Test and Evaluation Plan

(Not Applicable)

A = Approve

C = Consult

I = Inform

^{*} Approves via contract modification.

19.3 Environmental, Safety and Health Protection

The following documents address Environmental, Safety, and Health Protection:

- a. Site and Facility Characterization Plan—PC-000395 (Health and Safety Plan, and Environmental Monitoring Plan)
- b. Hazards Analysis Document—PC-000420
- c. Environmental Assessment—DOE/EA-1053
- d. Health and Safety Plan, Phases 2 and 3—PC-000450
- e. Decommissioning Plan—PC-000423

20. SUBMISSION AND APPROVAL

The Project Control Issue Summary form GA-2175 at the front of this document is used for obtaining approval of appropriate GA Management. After approval by GA management, this document will be submitted to DOE-OAK for approval.

21. REFERENCES

Contract No. DE-AC03-95SF20798

Site and Facility Characterization Plan—PC-000395

Quality Assurance Project Plan—QAPP-7340

Waste Certification Plan—PC-000389

Decommissioning Plan—PC-000423

Environmental Assessment (Site and Facility)—DOE/EA-1053

Hazards Analysis Document—PC-000420

Waste Minimization Plan—PC-000421

Health and Safety Plan—PC-000450

Irradiated Fuel Materials and Waste Materials Characterization Plan-PC-000382

Safeguards & Security Measures for the Irradiated Fuel Materials Temporary Storage Facility—PC-000457

Hot Cell Site and Facility Characterization Report—PC-000424

Asbestos Survey Document—PC-000418

Asbestos Investigation—Building 23, Hot Cell—PC-000439

Concrete and Soil Sampling and Testing-PC-000440

APPENDIX A—COST AND SCHEDULE REPORTING FORMS

This appendix contains proprietary information. It is not available to the public.

APPENDIX B—SCHEDULE

HOT CELL D&D - PHASE 2 & 3

FISCAL YEARS

	FISCAL YEARS								
		1996 1997 1998 1999 2000							
ID 1	Name Decommissioning Plan Approval	ASONDJEMAMJJASONDJEMAMJJASONDJEMAMJJASONDJEMAMJJ							
	Phase 2 D&D								
3	Facility Maint/Security/Surveillance								
4	Maintenance								
5	Security								
6	Industrial Safety								
7	Radiological Surveillance								
8	Licensing, Safety & Nuclear Compliance								
9	Training Training								
10	Plans and Procedures								
11	Radiation Safety								
12	Industrial Safety								
13	Facility Maintenance/Operations								
14	Decontamination & Decommissioning								
15	Waste Disposal								
16	QA Support								
17	Prepare QA Plan (Draft)								
18	QA Plan (Draft)								
19	Incorporate comments								
20	QA Plan (Final)								
21	Decommissioning								
22	Materials and Services								
23	Asbestos removal								
24	Site Supervision								
25	Engineering Support								
26	Hot Cell Eqpt (prepare for disposal)								
27	Stuctural Decontamination								
28	Metallography Cell								
29	Removal of equip/items								
30	Complete surface decon								
31	Machine Shop								
32	High-Level Cell								
33	Complete surface decon								
34	Low-Level Cell								

2/20/96

HOT CELL D&D - PHASE 2 & 3

FISCAL YEARS

				FISCAL YEARS			
ID	Nama	A G G	1996	1997	1998	1999	2000
1D 35	Name Complete surface decon	AISIOI	NID J F M A M J J A S		ONDJFMAMJJAS	ONDJFMAMJJAS	ONDJFMAMJJ
36	Change Rm,Dark Rm,Lobby,Offices		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			-
37	Compl Restrooms & Change Rm			1			
38	Compl Dark Rm & Counting Rm		\Diamond				
39	Complete Lobby/offices		<				
40	Warm Metallography Lab			******	22		
41	ESTES Rms/Manipulator Repair Rm					• • • • • • • • • • • • • • • • • • • •	
42	Pump Rm, X-ray Lab,Tool Rm,Mezzan						
43	Service Gallery and Decon Room				•		
43							
	Operating Gallery				2 22		
45	Building Exterior(Roof & aux structs)						
46	Building Exterior(Walls)						
47	Boiler Room						
48	Dismantlement				Y		7
49	Interior Walls, Sub-ceilings						
50	Roof and Exterior Walls						
51	HLC, LLC, Metallography Cell						
52	Concrete Floor (Remaning slab)					VZZ.	2
53	Outside Structures/BeO Shed				Ø		
54	Remove Below grnd serv lines & eqpt				222		·
55	Remove HEPA &other op sys/services						
56	Storage Pit and Wells			<i>j</i>			<i>7772</i> 2
57	Yard						
58	Waste Holding Tanks					Ø	
59	Asphalt					2 222	
60	Depression Area					77777	
61	Soil Excav,Remove undrgnd serv lines						77772
62	Waste Disposal	V					V
63	Clean Waste						
64	Hazardous Waste	V				V	
65	Segregation/Pkg/Documentation	ÜÜÜ					
66	Storage/Shipping/Disposal	Z					
67	Mixed Waste	V					
68	Segregation/Pkg/Documentation	THE STATE OF THE S					

HOT CELL D&D - PHASE 2 & 3

FISCAL YEARS

		FISCAL YEARS	
ID	Name	1996 1997 1998 1999	2000
69	Storage/Shipping/Disposal	AS OND JEMAMJJAS OND JEMAMJJAS OND JEMAMJJAS OND JEMAMJJAS OND J	FMAMJJ
70	Structural Rad Waste		
71	Segregation/Pkg/Documentation		
72	Storage/Shipping/Disposal		
73	Soil and Paving Rad Waste		
74	Processing/Documentation		
75	Shipping/Disposal		
76	Machinery & Eqpt Rad Waste		
77	Segregation/Pkg/Documentation		
78	Storage/Shipping/Disposal		
79	Irradiated Fuel Materials(IFM)		
80	Environmental Assessment		Y
81	IFM Storage/Disposal		
82	IFM Transfer Activity ORR Rpt		A STATE OF THE PROPERTY OF THE PARTY OF THE
83	IFM Storage and Transfer Procedures	s	
84	Move IFM to Bldg. 30		
85	Store IFM in Bldg. 30		
86	Transfer IFM to designated site		<i></i>
87	Phase 2 Project Management		\Diamond
88	Project Management		
89	Project Coordination		
90	Operational Readiness Rvw (ORR)	∴	
91	ORR Report		
92	Operations Support		
93	PP/PMP		
94	Final PP/PMP		
95	Administrative Procedures		
96	DOE Requirements Support		
97	Contract Support		
98	PTS		
9	EM-40 Requests		
00	Matrix Analysis Report		

HOT CELL D&D - PHASE 2 & 3

FISCAL YEARS

			1996	1997	1998	1000	
ID	Name	AS	ONDJFMAMJJAS	ONDJEMAMJJAS	ONDUEMAMULAS	1999	2000
101	Track and Trend Act. and H&S Plan	122			11111111111111111111111111111111111111		OMDINEMINAMINAMINAMINAMINAMINAMINAMINAMINAMINA
102	Prepare Health & Safety Plan	777					(22222 <u>)</u>
103	H&S Plan (Draft)		· 💠				
104	Incorporate comments		222				
105	H&S Plan (Final)		\Diamond		• • • • • • • • • • • • • • • • • • • •		
106	Phase 3 - Site Release		v				
107	Confirmatory Survey						
108	Final Report						
109	Draft Closure Report		**********************				
110	Final Closure Report						♦
111	Release Report						\Diamond
112	NRC Coordination/Support	"					
113	Phase 3 - Project Management						
114	Project Management						
115	DOE Requirements Support						

Summary
Scheduled Activity
Milestone

APPENDIX C—WBS DICTIONARY

020000000000000000000000000000000000000			With the Control of t					
1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.				
nedocara-mesocoti	GA HOT CELL D&D PROJECT	- PHASE 2	2/20/96					
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE				
Anaconomic de la constanta	1.4.8.4			Hot Cell D&D				
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE			
4000010041240	1		N/A		N/A			
9.	APPROVED CHANGES			2000 Mary 11 11 10 C (11) Ann Ann An Ann Ann Ann Ann Ann Ann Ann	3 9 44 7			
	N/A		Mark to the second of the seco					
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.				
entices representations	N/A							
12.	ELEMENT TASK DESCRIPTION		A SANDAR AND AND AND AND AND AND AND AND AND AND	ACCUPATION OF THE STATE OF THE	Annual management of the second secon			
a.	Cost Content							
	Labor Related Travel Materials & Services Licensing, Safety, and Nuclear C Lab Repro	ompliance						
b.	Task Description							
	Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.							

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
A Sale In consequent	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	100
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2	SQUARTERS DEVILOPED IN THE STOCK AND AN AREA TO A SQUARE AND A SQUARE		Decontamination & Dec	ommissioning
6.	INDEX LINE NUMBER	7. REVISION NO	O. & AUTHORIZ	ZATION	8. DATE
	2		N/A		N/A
9.	APPROVED CHANGES	Walter Control of the			
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	O.
	N/A				
12.	ELEMENT TASK DESCRIPTION	ACCOUNT OF THE PARTY OF THE PAR	No. of the Control of		Marie Commission Commi
a.	Cost Content				
	Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Calab Repro	ompliance			
b.	Task Description				
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	Used to collect all associated cos				
	This is a summary level element	, no work will	be charge	d directly to it.	
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DDO ICOT TITI C/DADTICIDANIT							
1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.			
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96				
WBS ELEMENT CODE		5. WBS ELE	MENT TITLE				
1.4.8.4.2.4.			Phase 2 D&D				
INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE			
3		N/A		N/A			
APPROVED CHANGES			200 - 200 -				
N/A							
. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	О.			
N/A							
. ELEMENT TASK DESCRIPTION	244324469446	CTC14	TATION DOMANTA TO STREET THE STREET S				
Cost Content							
Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro							
Task Description							
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	WBS ELEMENT CODE 1.4.8.4.2.4. INDEX LINE NUMBER 3 APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Collab Repro Task Description Used to collect all associated cost This is a summary level element.	WBS ELEMENT CODE 1.4.8.4.2.4. INDEX LINE NUMBER 3 APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro Task Description Used to collect all associated costs. This is a summary level element, no work will	WBS ELEMENT CODE 1.4.8.4.2.4. INDEX LINE NUMBER 3 7. REVISION NO. & AUTHORIZ N/A APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro Task Description Used to collect all associated costs. This is a summary level element, no work will be charged	WBS ELEMENT CODE 1.4.8.4.2.4. INDEX LINE NUMBER 3 APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro Task Description Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.			

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.				
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96				
4.	WBS ELEMENT CODE	AND THE PARTY OF T	5. WBS ELE	MENT TITLE				
	1.4.8.4.2.4.1			Support Functions				
6.	INDEX LINE NUMBER	7. REVISION NO	O. & AUTHORI;	ZATION	8. DATE			
	4		N/A		N/A			
9.	APPROVED CHANGES	Park Andrews Control of Control o						
	N/A							
10.	SYSTEM DESIGN DESCRIPTION	Olio international designation of the second		11. BUDGET & REPORTING	NO.			
	N/A							
12.	ELEMENT TASK DESCRIPTION							
a.	Cost Content							
	Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro							
b.	Task Description							
	Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.							

State of Sta							
1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE			
	1.4.8.4.2.4.1.1			Facility Maintenance/Security/Surveillance			
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
	5		N/A		N/A		
9.	APPROVED CHANGES						
	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	Ο.		
	N/A			7350 100			
12.	ELEMENT TASK DESCRIPTION	The second secon					
a.	Cost Content						
h	Labor Related Materials & Services						
٥.	Task Description						
	Used to collect all associated cos						
	This is a summary level element	, no work will	be charge	d directly to it.			

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96			
4. WBS ELEMENT CODE	4. WBS ELEMENT CODE 5. WBS ELE					
1.4.8.4.2.4.1.1.1	1.4.8.4.2.4.1.1.1			Maintenance		
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE		
6		N/A	·	N/A		
9. APPROVED CHANGES						
N/A						
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
N/A			7350100100			
12. ELEMENT TASK DESCRIPTION		and estimate the first that the Adaptace to the transfer of the second s				
a. Cost Content						
Labor Related Materials & Services						
b. Task Description General maintenance tasks to ensure the facility is maintained in a safe condition and that all necessary services are operational as required through out the D&D (Phase 2). Includes supervision, hot cell maintenance technicians, outside services, facility related costs such as: trailer rental, utilities, materials/supplies and the cost of building a temporary loading dock.						

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.			
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	·			
4. WBS ELEMENT CODE	WBS ELEMENT CODE 5. WBS ELE		EMENT TITLE	N Declaration		
1.4.8.4.2.4.1.1.2	1.4.8.4.2.4.1.1.2					
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
7		N/A		N/A		
9. APPROVED CHANGES						
N/A						
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
N/A			7350100200			
12. ELEMENT TASK DESCRIPTION		A CONTRACTOR OF THE CONTRACTOR		(IDA)		
a. Cost Content						
Labor Related						
1						
b. Task Description						
Covers the cost of Security task	Covers the cost of Security tasks and equipment.					
	o and oquipm	0 111.				

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
			2/20/96	G. IDEITH IO/THOMAS.
485-1910-19	GA HOT CELL D&D PROJECT - PHASE 2			
	. WBS ELEMENT CODE 5. WBS ELE			
1.4.8.4.2.4.1.1.3			Industrial Safety	
6. INDEX LINE NUMBER	7. REVISION NO		ZATION	8. DATE
8		N/A		N/A
9. APPROVED CHANGES				
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	Э.
N/A			7350100300	
12. ELEMENT TASK DESCRIPTION		Control of the second		
a. Cost Content				
Labor Related				
Materials & Services				
b. Task Description				
·				
Implementation of the Industrial Hazardous Work Authorizations,	Safety progra	m for the p	project. Includes the preprince	paration and release of
riazardous Work Authorizations,	Salety Walkut	owns, and	industrial safety supplies	•
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Parlement of the last		24x6\1					
1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	A CONTRACTOR OF THE CONTRACTOR		
	1.4.8.4.2.4.1.1.4			Radiological Surveillance			
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION 8. DATE			
	9		N/A		N/A		
9.	APPROVED CHANGES	A STATE OF THE STA	,	1			
	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
	N/A			7350100400			
12.	ELEMENT TASK DESCRIPTION			A THE STATE OF THE			
a.	Cost Content						
	Labor Related						
b.	Task Description						
	The primary task is to maintain radiological safety at the Hot Cell site and facility. This includes; personnel and environmental monitoring, dose rate measurement, radiological materials detection and assay. Other tasks include; review and approval of Work Authorizations, preparation of Radiological Work Permits, calibration of instruments, purchase of dedicated equipment and supplies, and surveillance records.						
					·		

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
Name of the last o	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	e		
4.			MENT TITLE				
	1.4.8.4.2.4.1.2			Licensing, Safety, and N	uclear Compliance		
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE		
	10		N/A		N/A		
9.	APPROVED CHANGES	200000ym.s/rcs		AND THE PROPERTY OF THE PROPER			
9000011stransstoore	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
TROUGHE HONGE	N/A			7350200100			
12.	ELEMENT TASK DESCRIPTION		MANAGEMENT PROPERTY OF THE PRO				
a.	Cost Content						
	Licensing, Safety, and Nuclear C	ompliance					
	·	·					
b.	Task Description						
	Administration associated with lie	enses.					
	Review and approval of Work Au	ıthorizations(V					
	Administer Nuclear Material Accounterface with NRC and other Fed	ountability(NM leral and State	A) and Nu	clear Safety(NS).			
	Radiological lab services.	orar and Otat	o agencies	on compliance issues.			

1.	1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96			
4.	WBS ELEMENT CODE 5. WBS ELE			EMENT TITLE			
	1.4.8.4.2.4.1.3			Training			
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
	11		N/A		N/A		
9.	APPROVED CHANGES			Onto Asia			
	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
	N/A			7350300100			
12.	ELEMENT TASK DESCRIPTION		N				
a.	Cost Content						
	Labor Related						
b.	b. Task Description						
Personnel training on specific plans and procedures of the				ne project.			
	·			·			
					1		

1. PROJECT TITLE/PARTICIPANT	PROJECT TITLE/PARTICIPANT			3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	ч
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	**************************************
1.4.8.4.2.4.1.4			Plans and Procedures	
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
12		N/A		N/A
9. APPROVED CHANGES	Cally, Ethiopia de accusance	100000000000000000000000000000000000000	11 10 10 10 10 10 10 10 10 10 10 10 10 1	
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
N/A			7350400	
12. ELEMENT TASK DESCRIPTION	TO SECURE CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CA	** ** ** *** *** *** *** *** *** *** *	With an and the state of the st	
a. Cost Content				
Labor Related Repro Travel				
 b. Task Description Used to collect all associated cost This is a summary level element, 		be charged	I to it.	
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1.	1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	. WBS ELEMENT CODE 5. WBS ELEM			EMENT TITLE	
	1.4.8.4.2.4.1.4.1			Radiation Safety	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
	13		N/A		N/A
9.	APPROVED CHANGES	A 11 S A	Madri Antonio		
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	O.
	N/A			7350400100	
12.	ELEMENT TASK DESCRIPTION	and the second s			
a.	Cost Content				
	Labor Related				
					·
b.	Task Description				
	Prepare new and revise existing	radiation safe	ty procedu	res.	
	Preparation of Work Authorization	ons (WA)			
	-				

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
THE REAL PROPERTY OF THE PERSON OF THE PERSO	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	A PARTICULAR TO THE PROPERTY OF THE PROPERTY O
	1.4.8.4.2.4.1.4.2			Industrial Safety	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	14		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	O.
	N/A			7350400200	
12.	ELEMENT TASK DESCRIPTION	, OTTOWN TO THE TOTAL PROPERTY OF THE TOTAL	· · · · · · · · · · · · · · · · · · ·		
a.	Cost Content				
	Labor Related				
The state of the s					•
b.	Task Description				
					,
	Prepare and revise project speci Preparation of Hazardous Work	fic Industrial S Authorizations	Safety proc	edures.	
	Topalation of Hazardous Work	rationzations	, (11 44 77).		
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1.	PROJECT TITLE/PARTICIPANT		!	2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE	Control of the Contro	5. WBS ELF	EMENT TITLE	
	1.4.8.4.2.4.1.4.3			Facility Maintenance/Op	perations
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
	15		N/A		N/A
9.	APPROVED CHANGES	AND THE PROPERTY OF THE PROPER	Annual State of the Control of the C		
	N/A				
10.	. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	O
100 T 200 T 100 T	N/A			7350400300	
12.	. ELEMENT TASK DESCRIPTION		SACE-31.		
a.	Cost Content				
	Labor Related Repro				
The second secon					
b.	Task Description				
	Prepare and revise facility maint Includes facility modifications do	tenance/opera ocuments.	itions proce	edures.	

1.	1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
erene de la company	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
	1.4.8.4.2.4.1.4.4			Decontamination & Deco	ommissioning
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	16		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350400400	
12.	ELEMENT TASK DESCRIPTION		T		
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Prepare, update and make revision	ons to D&D pla	ans and pr	ocedures .	

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	The state of the s		
	1.4.8.4.2.4.1.4.5			Waste Disposal			
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE		
2000000	17		N/A		N/A		
9.	APPROVED CHANGES		A STATE OF THE STA		Make Property of the State of t		
Section (Section)	N/A						
10.	SYSTEM DESIGN DESCRIPTION	The second second second second second second second second second second second second second second second se		11. BUDGET & REPORTING	NO.		
	N/A			735040050	0		
12.	ELEMENT TASK DESCRIPTION	The state of the s	TOTAL STATE OF THE	Contraction (Contraction Contraction Contr	The second section of the second seco		
a.	Cost Content				*.		
	Labor Related Travel Task Description				\		
	Prepare and revise procedures for new waste streams, with updates and revisions to existing procedures. Preparation of WSDRs and SDARs. Tasks associated with Envirocare approval status and coordination with Westinghouse Hanford.						

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
1.4.8.4.2.4.1.5			QA Support	
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
18		N/A		N/A
9. APPROVED CHANGES				000000000000000000000000000000000000000
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING	NO.
N/A			735050010	0
12. ELEMENT TASK DESCRIPTION			- 1990 CO CO CO CO CO CO CO CO CO CO CO CO CO	
a. Cost Content				
Labor Related				
·				
b. Task Description				
Oversees the project to assur	e that the proje	ct staff cor	nply with the appropria	te plans and
procedures through reviews, a	ssessments, su	rveillances	and audits.	to prante and
		•		

CHARLEST AND ADDRESS OF THE PARTY OF THE PAR							
PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.				
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE			
	1.4.8.4.2.4.1.6			Track and Trend Activiti	es		
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
	19		N/A		N/A		
9.	APPROVED CHANGES						
	N/A						
10.	SYSTEM DESIGN DESCRIPTION		7,000	11. BUDGET & REPORTING NO	D.		
	N/A			7350950400			
12.	ELEMENT TASK DESCRIPTION	73-5-W-6-7-W-4-7-W-4-7-W-4-7-7-7-7-7-7-7-7-7-7-7	790				
a.	Cost Content						
	Labor Related Travel						
b.	Task Description						
	Data gathering and report preparation to support the DOE imposed track and trend activities for Environmental Protection, Health and Safety, Waste Minimization, and Ocurrence Reporting.						

PROJECT TITLE/PARTICIPANT		Philippi of the day published any points and a single factor of the	O DATE	O IDENTIFICATION NO
			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
1.4.8.4.2.4.2		West-markers polices where	Decommissioning	
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
20		N/A		N/A
9. APPROVED CHANGES				
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
N/A			7350600	
12. ELEMENT TASK DESCRIPTION				
a. Cost Content				
Labor Related				
Travel				
Materials & Services				
·				
b. Task Description				
Used to collect all associated cos	ete			
This is a summary level element,		be charge	d directly to it.	`

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.				
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96					
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE				
	1.4.8.4.2.4.2.1			Materials and Services				
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE			
	21		N/A		N/A			
9.	APPROVED CHANGES							
	N/A							
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.			
	N/A							
12	ELEMENT TASK DESCRIPTION			7350610100				
1	Cost Content							
	Materials & Services							
	·							
b.	Task Description							
	Procurement of material and services associated with the decommissioning of the Hot Cell, (not specific to any area). Includes health physics supplies, personal protective clothing, laundry services, safety items, Asbestos removal services, Lab analysis and structural engineering services.							
				•				

1.	1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.2.2			Site Supervision	!
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
anguaran de Vic	22		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	D.
	N/A			7350620100	
12.	ELEMENT TASK DESCRIPTION		•		THE CHAPTER SECTION AND AND AND AND AND AND AND AND AND AN
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Supervision of personnel engage	d in D&D activ	vities on th	e Hot Cell site.	
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		*		1	
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1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.2.3			Engineering Support	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	23		N/A		N/A
9.	APPROVED CHANGES		200		
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A			7350630100	
12.	ELEMENT TASK DESCRIPTION		an committee in the committee of the com		
a.	Cost Content				
	Labor Related				
SD DOCUMENT OF THE PROPERTY OF					
b.	Task Description				
	Engineering support to the project	ct includina D	&D technic	ues, calculations and de	sian work
	0 0 11 y 33 33 pre-je			juos, saisalalistis aria us	oigh work.

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
			•	o. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4. WBS ELEMENT CODE			MENT TITLE	
1.4.8.4.2.4.2.4			Hot Cell Equipment	
	7. REVISION NO		ZATION	8. DATE
24	Market - the Nation - the State of the State	N/A		N/A
9. APPROVED CHANGES				
N/A				
10. SYSTEM DESIGN DESCRIPTION	Park Control (Control and Annie Control (Control and Annie Control		11. BUDGET & REPORTING NO	O
N/A			7350640100	
12. ELEMENT TASK DESCRIPTION	And the second s			
a. Cost Content				
Labor Related				
b. Task Description				
Removal and preparation for disp	osal (includii	na deconts	amination if cost affective	۵۱
those equipment items which are shutdown condition.	not required	to mainta	in the facility in a safe,	<i>,</i> ,
Shutdown Condition.				
			:	

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.2.5			Structural Decontamina	tion
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
	25		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A			7350650	
12.	ELEMENT TASK DESCRIPTION	2.31			and the second s
a.	Cost Content				
NO CONTRACTOR OF THE PROPERTY	Labor Related Subcontracts Materials & Services Lab				
	•				
b.	Task Description				
	Used to collect all associated con This is a summary level element		be charged	d directly to it.	
				•	

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	A THE THE PROPERTY OF THE PROP	
	1.4.8.4.2.4.2.5.1			High-Level Cell		
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE	
	26		N/A		N/A	
9.	APPROVED CHANGES				20000	
	N/A					
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	О.	
DOSEDICA SANTONIA	N/A			7350650501		
12.	ELEMENT TASK DESCRIPTION					
a.	Cost Content					
recommendation of the control of the	Labor Related					
TO CONTROLL CONTROLL CONTROLL CONTROLL CONTROL						
	•					
b.	Task Description					
	Decontamination of High-Level C	ell.				
	Removal of equipment from cell. Decontaminate walls, floor, wells, ceiling and doors. Removal of windows and steel liners. Decontamination of concrete under liners. Removal of guillotine door.					

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.		
Distriction of the last of the	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.2.5.2			Low-Level Cell	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
	27		N/A		N/A
9.	APPROVED CHANGES				
Ministration	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
Treatment of the Control of the Cont	N/A			7350650502	
12.	ELEMENT TASK DESCRIPTION		***************************************	A contract of the contract of	
a.	Cost Content				
	Labor Related				
					ı
b.	Task Description				
	Removal of equipment from insid	le cell.			
	Decontaminate walls, floors, well				
		×			

1.	1. PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	,	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.2.5.3			Metallography Cell	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	28		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
and the second s	N/A			7350650503	
12.	ELEMENT TASK DESCRIPTION	.010300000	William de Charles and Charles		
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Removal of equipment and items	from cell.			
	Decontaminate walls, floor, and o	ceiling.			
					,

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
100000000000000000000000000000000000000	1.4.8.4.2.4.2.5.4			Service Gallery and Deco	on Room
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
STRUCKSON	29		N/A		N/A
9.	APPROVED CHANGES	And the second s	Control of the Contro	THE RESIDENCE OF THE PROPERTY	
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350650504	
12.	ELEMENT TASK DESCRIPTION		W	ALC THE RESIDENCE OF THE PROPERTY OF THE PROPE	AND THE PROPERTY OF THE PROPER
a.	Cost Content				
	Labor Related				
	·				
		1			
b.	Task Description				
	Decontaminate walls, floor, ceiling	g, storage pit	and wells.		

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE		
	1.4.8.4.2.4.2.5.5			ESTES Rooms/Manipulat	tor Repair Room	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE	
	30		N/A		N/A	
9.	APPROVED CHANGES		STATE Community agency Community Agency (1-6) SPECIAL			
	N/A					
10.	SYSTEM DESIGN DESCRIPTION	Control of the Contro		11. BUDGET & REPORTING NO.		
	N/A			7350650505		
12.	ELEMENT TASK DESCRIPTION		**************************************		Section 1997 (1997) (1997) (1997) (1997) (1997)	
a.	Cost Content					
	Labor Related					
b.	Task Description					
	Manipulator Repair Room 122					
	Removal of hot sink. Decontami	nate walls, flo	ors, ceiling	J.		
	Removal of steel liner. Removal	of floor sink.	Removal o	of hot drain lines.		
	ESTES Rooms 109, 116, 116A,		floor soilir			
	Removal of equipment. Decontaminate walls, floor, ceiling. Removal of hot drain lines.					

1.	1. PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2		·	2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	5. WBS ELEMENT TITLE		
	1.4.8.4.2.4.2.5.6			Pump Room, X-Ray Lab,	Tool Room, Mezzanine	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE	
	31		N/A		N/A	
9.	APPROVED CHANGES			1000		
	N/A					
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.	
	N/A			7350650506		
12.	ELEMENT TASK DESCRIPTION	10 10 10 10 10 10 10 10 10 10 10 10 10 1				
a.	Cost Content					
	Labor Related					
b.	Task Description					
	Decontaminate walls, floors, ceili	na Removal	of non-sur	prorting walls		
	Descritarimate Wallet, 110010, 0011	ng. Hemovai	Or Horr-Sup	pporting waits.		
	•					
		•				
		4				

PROJECT TITLE/PARTICIPANT	PROJECT TITLE/PARTICIPANT			3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT -	PHASE 2		2/20/96	·	
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE		
1.4.8.4.2.4.2.5.7			Machine Shop		
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE	
32		N/A		N/A	
9. APPROVED CHANGES					
N/A					
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.		
N/A			7350650507		
12. ELEMENT TASK DESCRIPTION					
a. Cost Content					
Labor Related					
•					
b. Task Description					
Rooms 108 and 108A					
Decontaminate walls, floor, and ce	eilings.				
Removal of sub-floor Isolate ventilation system.					
•					

1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE	1	5. WBS ELE	MENT TITLE	A resident and the latest and the la
1.4.8.4.2.4.2.5.8			Warm Metallography Lal	b
6. INDEX LINE NUMBER	7. REVISION NO.	& AUTHORIZ	ZATION	8. DATE
33		N/A		N/A
9. APPROVED CHANGES			34 Carlos (1980)	
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
N/A		- 0	7350650508	
12. ELEMENT TASK DESCRIPTION	A CONTRACTOR OF THE CONTRACTOR		THE STATE OF THE S	
a. Cost Content				
Labor Related				
				,
				·
b. Task Description				
Remove all equipment.				
Decontaminate walls, floors, ceilir	ng.			
Removal of hot drain line.				
,				,
				·
				·

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.2.5.9			Boiler Room	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	34		N/A		N/A
9.	APPROVED CHANGES				
TO THE PARTY OF TH	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.
THE PROPERTY OF THE PARTY OF TH	N/A			7350650509	
12.	ELEMENT TASK DESCRIPTION		тоустин монен выс Менен состанова расин руб	() () () () () () () () () () () () () (
a.	Cost Content				
	Labor Related				
	,				
b.	Task Description				
	Remove equipment.				·
	Decontaminate floor, walls, ceiling Remove hot drain lines.	ng.			
	richiove not diam intes.				
					·
	•				

1.	1. PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.2.5.10			Change Room, Dark Roo	m, Lobby and Offices
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	35		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350650510	
12.	ELEMENT TASK DESCRIPTION				
a.	Cost Content				
	Labor Related				
					•
b.	Task Description				
	Removal of equipment.				
	Decontaminate walls, floors, ceili	ng.			
	Removal of non-supporting walls				
	Removal of sub-ceiling.				

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	. WBS ELEMENT CODE 5. WBS ELI		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.2.5.11			Operating Gallery	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	36		N/A		N/A
9.	APPROVED CHANGES	With the second	mmaa summaa maa ka The second secon		
	N/A				
10.	SYSTEM DESIGN DESCRIPTION	704 Page A700 A300 A300 A300 A300 A300 A300 A300	-	11. BUDGET & REPORTING NO	O.
	N/A			7350650511	
12.	ELEMENT TASK DESCRIPTION			THE STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL	
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Removal of equipment.				
	Decontaminate walls, floor, and	ceiling.			

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
WINDS STATES OF THE STATES OF	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.2.5.12			Building Exterior, Roof &	Aux. Structures
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
	37		N/A		N/A
9.	APPROVED CHANGES				
and the control of th	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
area (entre parte parte)	N/A			7350650512	
12.	ELEMENT TASK DESCRIPTION	- сотромонно болужу (1-1-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		200000000000000000000000000000000000000	
a.	Cost Content				
нд рекитем филом	Labor Related				
b.	Task Description				
	Removal of equipment.				
	Decontaminate service shed, ren				
	Decontaminate old stack monitor Remove contaminated roof secti		ve concret	e slab.	
	nemove contaminated fool secti	ons.			

			MCM and a second	COLUMN AND AND AND AND AND AND AND AND AND AN		
PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
GA HOT CELL D&D PROJECT	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96			
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	district and the control of the cont		
1.4.8.4.2.4.2.6			Dismantlement	·		
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
38		N/A		N/A		
9. APPROVED CHANGES	300000000000000000000000000000000000000					
N/A						
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.		
N/A			7350660			
12. ELEMENT TASK DESCRIPTION			and the second second second second second second second second second second second second second second second			
a. Cost Content						
Labor Related Materials & Services Lab	ψ					
b. Task Description						
	Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.					
		•				

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	American Control of the Control of t	
	1.4.8.4.2.4.2.6.1			HLC, LLC, Metallography	' Cell	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE	
	39		N/A		N/A	
9.	APPROVED CHANGES	- I			Omes and the control of the control	
	N/A					
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.	
	N/A			7350660100		
12.	ELEMENT TASK DESCRIPTION	oon to the state of the state o	034	energe to the temporary of the control of the contr		
a.	Cost Content					
	Labor Related Materials & Services Lab			÷		
b.	Task Description					
	Demolition of Met. Cell Remove Hot Cell roof and walls. Remove horizontal door (HLC), LLC and Met. Cell doors Remove concrete floors.					

1.	1. PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	. WBS ELEMENT CODE 5. WBS EL		5. WBS ELE	EMENT TITLE	The state of the s
	1.4.8.4.2.4.2.6.2			Interior Walls, Sub-ceiling	gs
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	40		N/A		N/A
9.	APPROVED CHANGES	A Section of the sect			
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350660200	
12.	ELEMENT TASK DESCRIPTION	ACCES TO A STATE OF THE STATE O	ng ta thinn the set and the test and the second to place the specific place.		
a.	Cost Content				
	Labor Related				
					·
b.	Task Description				
	Dismantle interior walls and sub-	ceilings.			
					ļ

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.		
The state of the s	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE 5. WBS ELEM		EMENT TITLE		
	1.4.8.4.2.4.2.6.3			Roof and Exterior Walls	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	41		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
200520011600216002	N/A			7350660300	
12.	ELEMENT TASK DESCRIPTION	THAN THE CHARLEST COMMON COMMO	MANAGEST STREET, STREE	A CONTRACTOR OF THE CONTRACTOR	
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Dismantle Hot Cell roof and walls	;			
			÷		
	1				·

1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
1.4.8.4.2.4.2.6.4			Concrete FLoor	
6. INDEX LINE NUMBER 7	7. REVISION NO	. & AUTHORIZ	ZATION	8. DATE
42		N/A		N/A
9. APPROVED CHANGES				100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 m
N/A				
10. SYSTEM DESIGN DESCRIPTION		a constant	11. BUDGET & REPORTING NO).
N/A			7350660400	
12. ELEMENT TASK DESCRIPTION				
a. Cost Content				
Labor Related				
b. Task Description				
Cut-up and remove all concrete flo	oring.			
	-			
				*

1	PROJECT TITLE/PARTICIPANT			2. DATE	2 IDENTIFICATION NO
	GA HOT CELL D&D PROJECT - PHASE 2			3. IDENTIFICATION NO.	
			2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.2.6.5	No face of the control of the contro		Storage Pit and Wells	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	43		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.
	N/A			7350660500	
12.	ELEMENT TASK DESCRIPTION		MANAGEMENT AND AND AND AND AND AND AND AND AND AND	The state of the s	getter en grande de
a.	Cost Content				·
	Labor Related Materials & Services Lab				
b.	Task Description				
	Break-up and remove below-grou	und storage w	ells and pi	t.	
	_	J	•		
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PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	
4. WBS ELEMENT CODE	WBS ELEMENT CODE 5. WBS ELEM		EMENT TITLE	Land of the second of the seco
1.4.8.4.2.4.2.6.6			Outside Structures	
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
44		N/A		N/A
9. APPROVED CHANGES				D-2-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	O
N/A			7350660600	
12. ELEMENT TASK DESCRIPTION	MINISTER COMMENTS AND AND AND AND AND AND AND AND AND AND		And the second s	
a. Cost Content		•		
Labor Related				
b. Task Description				
Dismantle storage shed. Removal of concrete slabs.				
				`

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	20 TO 10 TO
	1.4.8.4.2.4.2.6.7		,	Removal of Below groun	d service lines & equipment
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	45		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A			7350660700	
12.	ELEMENT TASK DESCRIPTION	Section 1997	D.(23)3423-4-744-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Removal of all below ground ser	vice lines and	equipment	: electrical gas water	
	v		- 4	ereemen, gae, maieri	

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	·	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	1900-1900-1900-1900-1900-1900-1900-1900
	1.4.8.4.2.4.2.6.8			Removal of HEPA & oth	er operating sys/services
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	46		N/A		N/A
9.	APPROVED CHANGES		Activities and the second seco		
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A		200	7350660800	
12.	ELEMENT TASK DESCRIPTION	CCHIOCINE TO THE PROPERTY OF T	October State Control of the Control	The second of th	
a.	Cost Content				
	Labor Related				
					EL INC.
b.	Task Description				
	Remove HEPA ducts and system transformers, misc. operating e	n, stack monit equipment.	or, ventilat	ion system,	
	•				
					·

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	
	5. WBS ELE	MENT TITLE	The state of the s
		Yard	
7. REVISION NO.	& AUTHORIZ	ZATION	8. DATE
P	N/A		N/A
		11. BUDGET & REPORTING NO).
		7350670	
	4.000	HILLER CONTROL TO THE PROPERTY OF THE PROPERTY	
			·
, no work will b	e charged	d to it.	
			·
		•	
	7. REVISION NO.	5. WBS ELE 7. REVISION NO. & AUTHORIZ N/A	PHASE 2 5. WBS ELEMENT TITLE Yard 7. REVISION NO. & AUTHORIZATION N/A 11. BUDGET & REPORTING NO. 7350670 sts. no work will be charged to it.

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT	GA HOT CELL D&D PROJECT - PHASE 2			
4. WBS ELEMENT CODE	7	5. WBS ELE	EMENT TITLE	
1.4.8.4.2.4.2.7.1			Waste Holding Tanks	
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
48		N/A		N/A
9. APPROVED CHANGES	Perry Mysocrat y consistent post and state of the Annual Assessment of	77/TT019107/9-04/T-04/T-04/T-04/T-04/T-04/T-04/T-04/T		der (2005) (A) (Elden Spannen and A) (A) (Elden A)
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
N/A			7350670100	
12. ELEMENT TASK DESCRIPTION	The second secon	THE CONTRACT OF THE CONTRACT O		erk erkert 19 Februari hand der erker och und 29 kölende och 1900 bled bed bed bled distriction och stade och stade och 1900 bled bed bed bed bed bed bed bed bed bed b
a. Cost Content				
Labor Related				
b. Task Description				
Drain and remove waste holding	tanks and pre	pare for di	sposal.	
-				

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE	The state of the s	5. WBS ELE	EMENT TITLE	MERCHANICA REPORTED CONTRACTOR CO
	1.4.8.4.2.4.2.7.2			Asphalt	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
	49		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D
	N/A			7350670200	
12.	ELEMENT TASK DESCRIPTION	73 3 6 5 6 6 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	Segrosia Sociona de la compania de l		
a.	Cost Content				
AT THE REAL PROPERTY OF THE PERSON OF THE PE	Labor Related				
Street Section 1					
Residence					
10100000000000000000000000000000000000					
man central services					
b.	Task Description				
	Break-up asphalt for disposal.				

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	A CONTRACTOR OF THE CONTRACTOR
	1.4.8.4.2.4.2.7.3			Depression Area	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	50		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350670300	
12.	ELEMENT TASK DESCRIPTION	TO SEE OF HERE CONTROL	de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la		
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Break-up depression area for disp	osal.			
					·

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
1.4.8.4.2.4.2.7.4			xcavation, Removal of ur	nderground service lines
6. INDEX LINE NUMBER	7. REVISION NO	L D. & AUTHORI	ZATION	8. DATE
51		N/A		N/A
9. APPROVED CHANGES		THE REAL PROPERTY OF THE PERSON OF THE PERSO		
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	O.
N/A			7350670400	
12. ELEMENT TASK DESCRIPTION	THE CONTROL OF THE STATE OF THE	STATE OF THE PROPERTY OF THE P		
a. Cost Content				
Labor Related				
Materials & Services				
b. Task Description				
Excavate soil and prepare for dis				
Removal of remaining undergrou	nd service line	es.		

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.				
Minoral Section (Control of Control of Contr	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96					
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	Accompany (ALD-ADSA) (In-ADSA) (In-ADSA) (In-ADSA) (In-ADSA) (In-ADSA) (In-ADSA) (In-ADSA) (In-ADSA) (In-ADSA)			
referencied en experience	1.4.8.4.2.4.3			Waste Disposal				
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE			
	52		N/A		N/A			
9.	APPROVED CHANGES	Q Language Control of the Control of			and the second control of the control of the second control of the			
	N/A							
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.				
esta de la constanta de la con	N/A			7350700				
12.	. ELEMENT TASK DESCRIPTION	HINDONING VE TEN	22 12 13 54 H-50 V		The second secon			
a.	Cost Content							
b.	Labor Related Materials & Services Lab Task Description							
	Used to collect all associated costs. This is a summary level element, no work will be charged to it.							

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	CONTRACTOR OF THE PROPERTY OF
	1.4.8.4.2.4.3.1		·	Clean Waste	
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	53		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO),
	N/A			7350700100	
12.	ELEMENT TASK DESCRIPTION			- N	
a.	Cost Content				
	Labor Related				
	Materials & Services				
					,
	T 15				
D.	Task Description				
	Segregation, preparation, disposa	al and docume	entation of	clean waste.	
					·

1.	1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96			
4. \	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	7		
MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR MANAGAR	1.4.8.4.2.4.3.2			Hazardous Waste			
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE		
	54		N/A		N/A		
9. /	APPROVED CHANGES		**************************************				
	N/A						
10.	SYSTEM DESIGN DESCRIPTION	and a state of the	DOTTON ELECTRIC LIBERTIES	11. BUDGET & REPORTING NO	D.		
	N/A			73507002XX			
12. [ELEMENT TASK DESCRIPTION		· · · · · · · · · · · · · · · · · · ·		·		
а. (Cost Content				٠		
b	Labor Related Materials & Services D. Task Description						
	Used to collect all associated co		be charge	d to it.			
			*		·		

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.3.2.1			Segregation/Packaging/	Documentation
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	55		N/A		N/A
9.	APPROVED CHANGES	400	V.		0/3/4/201
	N/A				
10.	SYSTEM DESIGN DESCRIPTION		3000	11. BUDGET & REPORTING NO	D.
dan kananan dan dan dan dan dan dan dan dan d	N/A			7350700210	
12.	ELEMENT TASK DESCRIPTION			on proceedings of the second s	100-31-44A-11-12-11-11-11-11-11-11-11-11-11-11-11-
a.	Cost Content				
	Labor Related				
ADDITION OF THE PERSON OF THE					
b.	Task Description				
	Commence howevelows were				
	Segregate hazardous waste, pac	kage for dispo	osal, prepa	re documentation.	
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	,				
	,				

1.	PROJECT TITLE/PARTICIPANT	www.comedia.com		2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
######################################	1.4.8.4.2.4.3.2.2			Storage/Shipping/Dispo	sal
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
TEST CLOSE TO	56		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350700220	
12.	ELEMENT TASK DESCRIPTION				The state of the s
a.	Cost Content				
	Labor Related				
	Materials & Services				
					11.00
b.	Task Description				
	Storage, shipping and disposal co	osts of hazard	ous waste.		

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96			
4.	WBS ELEMENT CODE	747	5. WBS ELE	MENT TITLE	Apparent and the second of the State of the	
	1.4.8.4.2.4.3.3			Mixed Waste		
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE	
	57		N/A		N/A	
9.	APPROVED CHANGES			The second secon		
A CONTRACTOR CONTRACTO	N/A					
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.	
sources market	N/A			73507003XX		
12.	ELEMENT TASK DESCRIPTION			- St White Control of the Control		
a.	Cost Content					
	Labor Related Materials & Services					
Annual forwards						
THE PROJECT OF THE PARTY OF THE						
	7					
b.	Task Description					
	Used to collect all associated co This is a summary level element		be charge	d to it.		

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.3.3.1			Segregation/Packaging/	Documentation
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	58		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION		,	11. BUDGET & REPORTING NO	D.
	N/A			7350700310	
12.	ELEMENT TASK DESCRIPTION				HIECONOMICA
a.	Cost Content				
	Labor Related Materials & Services				
b.	Task Description				
	Segregation, packaging and docu	umentation for	transfer o	f Mixed Waste to NWPF(MWPF).
			. !		

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
D. WARREST CO.	1.4.8.4.2.4.3.3.2			Storage/Shipping/Dispos	sal
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE
	59		N/A		N/A
9.	APPROVED CHANGES	M-SACA	35000 History	990)	
ATTACA (CERTIFICATION AND AND AND AND AND AND AND AND AND AN	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350700320	
12.	ELEMENT TASK DESCRIPTION				100 m to 100
a.	Cost Content				
Andrew Processor and American	Labor Related Materials & Services				
b.	Task Description				
	Storage at NWPF(MWPF), shipping	ng and dispos	al costs of	Mixed Waste.	

1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	AND CONTRACTOR AND ADDRESS OF THE CONTRACTOR AND ADDRESS OF THE CONTRACTOR ADDRESS OF THE CONTRA
1.4.8.4.2.4.3.4			Structural Rad Waste	
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
60		N/A		N/A
9. APPROVED CHANGES		31		
N/A				
10. SYSTEM DESIGN DESCRIPTION	400000	-	11. BUDGET & REPORTING NO	D.
N/A			73507004XX	
12. ELEMENT TASK DESCRIPTION		WARREN TO THE TOTAL PROPERTY OF THE PARTY OF		
a. Cost Content				
Labor Related Materials & Services				
b. Task Description				
Used to collect all associated cos This is a summary level element,		be charged	d to it.	

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
1.4.8.4.2.4.3.4.1			Segregation/Packaging/	Documentation
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
6 1		N/A		N/A
9. APPROVED CHANGES				
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
N/A			7350700410	
12. ELEMENT TASK DESCRIPTION			(Pro-Article Devices)	
a. Cost Content				
Labor Related Materials & Services				
				·
b. Task Description				
Segregate, package for disposal,	and documer	nt structura	al Rad waste.	
·				
				,

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.3.4.2			Storage/Shipping/Disposal	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
	62		N/A		N/A
9.	APPROVED CHANGES				
	N/A		•		
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING N	0.
	N/A			7350700420	
12.	ELEMENT TASK DESCRIPTION	Maria Maria			`
a.	Cost Content				
	Labor Related Materials & Services				
b.	Task Description				
	Staging at the Hot Cell, shipping	and disposal	of Structura	al Rad Waste.	
					·

PROJECT TITLE/PARTICIPANT	2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHA	2/20/96		
4. WBS ELEMENT CODE	5. WBS E	LEMENT TITLE	
1.4.8.4.2.4.3.5		Soil and Paving Rad & M	lixed Waste
6. INDEX LINE NUMBER 7. RE	VISION NO. & AUTHOI	RIZATION	8. DATE
63	N/A		N/A
9. APPROVED CHANGES		A Parameter Management Anna Maria (1915) Anna Ma	
N/A			
10. SYSTEM DESIGN DESCRIPTION		11. BUDGET & REPORTING N	O.
N/A		73507005XX	
12. ELEMENT TASK DESCRIPTION	etter () Art Astro (Citiz III de la Section de la consecución del consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de la consecución de l	·	
a. Cost Content			
Labor Related Travel Materials & Services			
b. Task Description			
Used to collect all associated costs.			·
This is a summary level element, no w	ork will be charg	ed to it.	
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1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
DAPA COLORES	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96				
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE			
	1.4.8.4.2.4.3.5.1			Processing/Documentat	ion		
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
	64		N/A		N/A		
9.	APPROVED CHANGES						
	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.		
TO SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF TH	N/A	•		7350700510			
12.	ELEMENT TASK DESCRIPTION	Newscare Programme Control of Landscare Control of Cont					
a.	Cost Content						
	Labor Related						
b.	Task Description						
	Preparation of soil and paving Ra	ad and Mixed	waste for o	disposal, documentation r	preparation		
	. •			, , , , , , , , , , , , , , , , , , , ,			

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.3.5.2			Shipping/Disposal	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
	65		N/A		N/A
9.	APPROVED CHANGES				
	N/A	-			
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350700520	
12.	ELEMENT TASK DESCRIPTION	Windowski wa wakaza wa wakaza wa kata w			AND THE PROBLEM SERVICE OF THE PROBLEM SERVIC
a.	Cost Content				
	Labor Related				
	Travel Materials & Services				
	Materials & Services				
b.	Task Description				
	Shipping and disposal of soil and	paying Pad 9	Mixed wee	240	
	ompping and disposal of soil and	paving hau &	wiikeu was	ste.	
				-	
					*
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	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
GA	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS EL	EMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.3.6			Machinery and Equipmen	nt Rad Waste
6. INDEXL	INE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
	66		N/A		N/A
9. APPROV	/ED CHANGES			and the second s	4 years and the second
Market State Comment	N/A				
10. SYSTEM	DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	O.
	N/A			73507006XX	
12. ELEMEN	IT TASK DESCRIPTION				Antimode Andrews (1997) and the Antimode
a. Cost (Content				
Materi b. Task [Used t	Related als & Services Description to collect all associated cos a summary level element,		be charged	d to it.	

GA HOT CELL D&D PROJECT	DULAGE			
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE 5. WBS ELEM		MENT TITLE		
1.4.8.4.2.4.3.6.1			Segregation/Packaging/	Documentation
INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
67		N/A		N/A
APPROVED CHANGES				
N/A				
SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
N/A			7350700610	
ELEMENT TASK DESCRIPTION	OTHER COLORS BY SET OF BUILDING STATES AND S	**************************************	13 N 7 A A L C A C C C C C C C C C C C C C C C	AND THE RESIDENCE OF THE STATE
Cost Content				
Labor Related Materials & Services				
Task Description				
Segregate Hot Cell equipment, p	ackage for dis	sposal and	prepare documentation.	
	APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Materials & Services Task Description Segregate Hot Cell equipment, p	APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Materials & Services Task Description Segregate Hot Cell equipment, package for dis	APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Materials & Services Task Description Segregate Hot Cell equipment, package for disposal and	APPROVED CHANGES N/A SYSTEM DESIGN DESCRIPTION N/A ELEMENT TASK DESCRIPTION Cost Content Labor Related Materials & Services Task Description Segregate Hot Cell equipment, package for disposal and prepare documentation.

PROJECT TITLE/PARTICIPANT	2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	
4. WBS ELEMENT CODE	5. WBS ELE	EMENT TITLE	
1.4.8.4.2.4.3.6.2		Storage/Shipping/Dispos	sal
6. INDEX LINE NUMBER 7. REVISIO	N NO. & AUTHORI	ZATION	8. DATE
68	N/A		N/A
9. APPROVED CHANGES			
N/A			
10. SYSTEM DESIGN DESCRIPTION	5500 da la companya (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990)	11. BUDGET & REPORTING NO	D.
N/A		7350700620	
12. ELEMENT TASK DESCRIPTION			Complete and the control of the cont
a. Cost Content			
Labor Related			
Materials & Services			
b. Task Description			
Staging, shipping and disposal of machine	ry from Room	108 and other hot cell e	guipment.
	•		
			·

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.4.4	and the second s		Irradiated Fuel Materials	
6.	INDEX LINE NUMBER	7. REVISION NO		ZATION	8. DATE
	69		N/A		N/A
9.	APPROVED CHANGES	,		ALC AND ON THE CONTRACT OF THE	
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A		A CONTRACTOR OF THE CONTRACTOR	7040000	
12.	ELEMENT TASK DESCRIPTION	ALL CONTRACTOR OF THE PARTY OF		7340800	
1	Cost Content				
	Labor Related				
	Travel				
	Materials & Services				
b.	Task Description	•			
	Used to collect all associated co.	sts			
	This is a summary level element	no work will l	be charged	I to it.	
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1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT	- PHASE 2		2/20/96	
				•	
4.	WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
	1.4.8.4.2.4.4.1			Environmental Assessme	ent
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	70		N/A		N/A
9.	APPROVED CHANGES	11.000-CVI		AND ACCUSED TO THE PROPERTY OF	
	N/A				
10.	SYSTEM DESIGN DESCRIPTION	i di		11. BUDGET & REPORTING NO),
	N/A				
		00000000000000000000000000000000000000		7340800100	
	ELEMENT TASK DESCRIPTION				
a.	Cost Content				
	Labor Related				
b.	Task Description				·
	Support to DOE in preparation of	a site specific	EA.		
		•			
-					1

1.	PROJECT TITLE/PARTICIPANT GA HOT CELL D&D PROJECT - PHASE 2		2. DATE 2/20/96	3. IDENTIFICATION NO.	
4.	WBS ELEMENT CODE 1.4.8.4.2.4.4.2		5. WBS ELE	EMENT TITLE IFM Disposal	
6.	INDEX LINE NUMBER 7 1	7. REVISION NO). & AUTHORI N/A	ZATION	8. DATE N/A
9.	APPROVED CHANGES N/A		0 (10 (10 (10 (10 (10 (10 (10 (10 (10 (1		
10.	SYSTEM DESIGN DESCRIPTION N/A			11. BUDGET & REPORTING	
i i	ELEMENT TASK DESCRIPTION Cost Content Labor Related Travel Materials & Services			734080020) O
b.	Task Description Preparation of a site-specific Cha Preparation and packaging of the Temporary location at GA for up Surveillance and maintenance ac Shipment to the DOE designated	IFM for shipr to 12 months tivities.	ment. s.	٦.	

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJEC	GA HOT CELL D&D PROJECT - PHASE 2				
4. WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE		
1.4.8.4.3.4		54-day	Phase 2 Project Manage	ement	
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE	
72	The state of the s	N/A		N/A	
9. APPROVED CHANGES	**************************************	The same of the sa		And the second of the second o	
N/A					
10. SYSTEM DESIGN DESCRIPTION		The second continuous and second seco	11. BUDGET & REPORTING NO.		
N/A					
12. ELEMENT TASK DESCRIPTION			Matter Street, and a street, a	OF MANUFACTURE AND AND AND AND AND AND AND AND AND AND	
a. Cost Content					
Labor Related Travel					
Repro					
b. Task Description					
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Used to collect all associated c					
This is a summary level elemer	it, no work will	be charge	d to it.		

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	or is a control of the control of th	
			The state of the s		
1	1.4.8.4.3.4.1		5. WBS ELE	MENT TITLE Project Management	
_	INDEX LINE NUMBER	7 75 4000			
0.	73	7. REVISION NO		ZATION	8. DATE
_	No. of the control of		N/A	THE PARTY OF THE P	N/A
y.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A			7350900	
12.	ELEMENT TASK DESCRIPTION			100 C 100 C	A CONTRACTOR OF THE CONTRACTOR
a.	Cost Content				
	Labor Related				
	Travel				
	Repro				
				,	
b.	Task Description				
	,				
	Used to collect all associated cos				
	This is a summary level element,	no work will	be charged	I to it.	

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	+	
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
1.4.8.4.3.4.1.1			Project Coordination	
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
74		N/A		N/A
9. APPROVED CHANGES	***			
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.
N/A			7350900100	
12. ELEMENT TASK DESCRIPTION	SOCIOLISTI II	THE RESERVE AND ASSOCIATED AND THE RESERVE AND THE RESERVE AND THE RESERVE ASSOCIATED ASSOCIATED AND THE RESERVE ASSOCIATED AND THE RESERVE ASSOCIATED ASSOCIATED AND THE RESERVE ASSOCIATED AND THE RESERVE ASSOCIATED ASSOCIATED AND THE RESERVE ASSOCIATED		
a. Cost Content				
Labor Related				•
Travel				
b. Task Description				
Oversees the implementation of			e project goals and obje	ectives.
Primary interface with the DOE P	rogram Mana	ger.		

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE		5. WBS ELE	EMENT TITLE	
1.4.8.4.3.4.1.2			Operations Support	
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
75		N/A		N/A
9. APPROVED CHANGES				
N/A				
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
N/A			7350900200	
12. ELEMENT TASK DESCRIPTION	**************************************			
a. Cost Content				
Labor Related				
h Took Deparintion				
b. Task Description				
Assignment of budgets.				
Tracking performance to cost an Preparation of the monthly repo				
Topo				

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO. #	
	GA HOT CELL D&D PROJECT - PHASE 2			2/20/96	¥
4.	WBS ELEMENT CODE	Q A Will Live Monanda Anna	5. WBS ELE	MENT TITLE	
	1.4.8.4.3.4.1.3			Project Plan/Project Mar	nagement Plan
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	76		N/A		N/A
9.	APPROVED CHANGES				The state of the s
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
	N/A			7350900300	
12.	ELEMENT TASK DESCRIPTION	100g	NY CONTRACTOR OF THE CONTRACTO		
a.	Cost Content				
	Labor Related				
					'
b.	Task Description			r	
	Prepare and update as required to Revisions to the Project Baseline				
	The visions to the Project baseline	•			
					*

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4.	WBS ELEMENT CODE	The second secon	5. WBS ELE	MENT TITLE	
	1.4.8.4.3.4.1.4			Administrative Procedur	es
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
	77		N/A		N/A
9.	APPROVED CHANGES	Account of the second of the s		· ·	
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A			7350900400	
12.	ELEMENT TASK DESCRIPTION	THE COLORS OF TH	**************************************	and a control of the party and a set of the party and party and below a ball of the ball of the party and the part	
a.	Cost Content				
	Labor Related				
					TO STATE OF THE ST
b.	Task Description				
	Preparation and revisions of adr	ninistrative pro	ocedures a	nd project directives.	

PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE	4. WBS ELEMENT CODE 5. WBS ELEM		MENT TITLE	annesses, m.n.e. 14-yd-niceroscono en generali escono en en consegue de la la la la la la la la la la la la la
1.4.8.4.3.4.2			DOE Requirements Supp	ort
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE
78		N/A		N/A
9. APPROVED CHANGES				
N/A				,
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO).
N/A			7350950	
12. ELEMENT TASK DESCRIPTION				
a. Cost Content				
Labor Related				,
b. Task Description				
Used to collect all associated co	sts			
This is a summary level element	, no work will	be charged	d to it.	
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PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 2		2/20/96		
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
1.4.8.4.3.4.2.1			Contract Issues	
6. INDEX LINE NUMBER 7.	REVISION NO	D. & AUTHORI	ZATION	8. DATE
79		N/A		N/A
9. APPROVED CHANGES	A DOUBLE OF THE REAL PROPERTY OF THE PARTY O			COA MARCHANIA MA
N/A				
10. SYSTEM DESIGN DESCRIPTION	101111111111111111111111111111111111111		11. BUDGET & REPORTING N	О.
N/A			7350950100	
12. ELEMENT TASK DESCRIPTION		A CONTRACTOR OF THE PARTY OF TH		
a. Cost Content				
Labor Related Travel				
b. Task Description				
Activities associated with respondir changes in funding, schedule char	ng to DOE inges.	requests re	elated to work scope cha	nges,

1.	PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 2		2/20/96	,	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.3.4.2.2			Progress Tracking System	m (PTS)
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE
	80		N/A		N/A
9.	APPROVED CHANGES				PROFESSION OF THE SECTION OF THE SEC
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.
	N/A			7350950200	
12.	ELEMENT TASK DESCRIPTION				
a.	Cost Content				
	Labor Related				
b.	Task Description				
	Preparation of input to the PTS.				
				•	

PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.	
GA HOT CELL D&D PROJECT - PHASE 2			2/20/96		
4. WBS ELEMENT CODE		5. WBS ELE	MENT TITLE		
1.4.8.4.3.4.2.3			EM-40 Requests		
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE	
81		N/A		N/A	
9. APPROVED CHANGES	SCCI and the Committee of the Committee				
N/A					
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	Э.	
N/A			7350950300		
12. ELEMENT TASK DESCRIPTION	y Julian San San San San San San San San San S				
a. Cost Content					
Labor Related Travel					
b. Task Description					
Support to the DOE in the preparation of ADS submittals, Waste Data Information submittals, Current Year Work Plans, and other similar requests for support from the DOE including DOE reviews and support for non-contract related visits.					

1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.			
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE			
	1.4.8.4			Hot Cell D&D			
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE		
	1		N/A		N/A		
9.	APPROVED CHANGES				The state of the s		
	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
	N/A						
12.	ELEMENT TASK DESCRIPTION		Charles and the second		NATIONAL CONTROL OF THE STATE O		
a.	Cost Content						
	Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Calab Repro	ompliance					
b.	Task Description						
	Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.						
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PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.			
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE			
	1.4.8.4.2			Decontamination & Deco	ommissioning		
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE		
	2		N/A		N/A		
9.	APPROVED CHANGES		**************************************	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1999 - 19		
	N/A						
10.	SYSTEM DESIGN DESCRIPTION		71 C	11. BUDGET & REPORTING NO	Э.		
	N/A						
12.	ELEMENT TASK DESCRIPTION	THE STATE OF THE S	Q-VB				
a.	Cost Content						
	Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro						
b.	Task Description						
	Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.						
		•					

1.	. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.		
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96			
4.	WBS ELEMENT CODE	WBS ELEMENT CODE 5. WBS ELE					
	1.4.8.4.2.5			Phase 3 - Site Release			
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE		
	3		N/A		N/A		
9.	APPROVED CHANGES						
	N/A						
10.	SYSTEM DESIGN DESCRIPTION	SQuid Scrife of the White Price of the State	-	11. BUDGET & REPORTING NO.			
	N/A						
12.	ELEMENT TASK DESCRIPTION	Version Control of the Control of th	<u> </u>	over even some transfer and the second secon	MITS MANAGE CONTINUES AND AND AND AND AND AND AND AND AND AND		
a.	Cost Content						
	Labor Related Travel Materials & Services Licensing, Safety, and Nuclear Compliance Lab Repro						
b.	Task Description						
	Used to collect all associated costs. This is a summary level element, no work will be charged directly to it.						

1. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.			
GA HOT CELL D&D PROJECT - PHASE 3			2/20/96				
4. WBS ELEMENT CODE	. WBS ELEMENT CODE 5. WBS ELE						
1.4.8.4.2.5.1	1.4.8.4.2.5.1		Final Report				
6. INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE			
4		N/A		N/A			
9. APPROVED CHANGES							
N/A							
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.				
N/A				•			
12. ELEMENT TASK DESCRIPTION			AND CONTRACTOR OF THE PARTY OF				
a. Cost Content							
Labor Related							
Repro							
b. Task Description							
Preparation of draft and final clo	sura rapart			r			
reparation of trait and imar clos	suie report.						

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96	
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE	
	1.4.8.4.2.5.2			Confirmatory Survey	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
	5		N/A		N/A
9.	APPROVED CHANGES				
	N/A				
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO	D.
	N/A				
12.	ELEMENT TASK DESCRIPTION		and the second s		
a.	Cost Content				
	Materials and Services				
	4				
b.	Task Description				
	Independent survey by ORISE.				

1.	. PROJECT TITLE/PARTICIPANT		2. DATE	3. IDENTIFICATION NO.			
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96			
4.	WBS ELEMENT CODE		5. WBS ELE	MENT TITLE			
	1.4.8.4.2.5.3			Site Survey/NRC Coordin	nation		
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORIZ	ZATION	8. DATE		
	6		N/A		N/A		
9.	APPROVED CHANGES						
-	N/A						
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.			
	N/A						
12.	ELEMENT TASK DESCRIPTION	CATALON CONTRACTOR DESCRIPTION OF THE PROPERTY	THE PARTY OF THE P	ecumulati de de grassimo de la compansión de la compansión de la compansión de la compansión de la compansión d	MANAGEMENT OF THE STATE OF THE		
a.	Cost Content						
	Labor Related Materials & Services Travel Licensing, Safety, and Nuclear Compliance						
b.	Task Description						
	Coordination with the NRC on closure activities and associated costs.						

1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96		
4.	. WBS ELEMENT CODE 5. WBS ELE			EMENT TITLE		
	1.4.8.4.3.5			Phase 3 - Project Mana	gement	
6.	INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORI	ZATION	8. DATE	
	7		N/A		N/A	
9.	APPROVED CHANGES	aleman de la companya de la companya de la companya de la companya de la companya de la companya de la companya		AND AND AND AND AND AND AND AND AND AND	ACC TO SECURITION (A TO THE CONTRACT OF THE CO	
	N/A					
10.	SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO.		
	N/A					
12.	ELEMENT TASK DESCRIPTION	CONSTRUCTION OF STATE OF STATE AND AN ARTHUR AND AN ARTHUR AND AN ARTHUR AND	3.U.y.(00.25-y-1.)v/1.v-1.v4 pro			
a.	Cost Content					
	Labor Related Travel					
	4					
b.	Task Description					
	Used to collect all associated costs This is a summary level element, no work will be charged to it.					
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1.	PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.	
	GA HOT CELL D&D PROJECT - PHASE 3			2/20/96		
4.	WBS ELEMENT CODE 5. WBS ELE			MENT TITLE		
	1.4.8.4.3.5.1			Project Management		
6.	INDEX LINE NUMBER	7. REVISION NO). & AUTHORI	ZATION	8. DATE	
	8		N/A		N/A	
9.	APPROVED CHANGES		Carrier and the carrier and th	40 Table 1 Tab		
Administration	N/A					
10.	SYSTEM DESIGN DESCRIPTION	MACATA AND AND AND AND AND AND AND AND AND AN		11. BUDGET & REPORTING NO.		
manage parage parage and the same and the sa	N/A					
12.	ELEMENT TASK DESCRIPTION	The second of th		depolicing of the second secon		
a.	Cost Content					
	Labor Related					
	Travel					
b.	Task Description					
	Oversees the implementation of	assignments	to meet th	e project goals and o	bjectives.	
	Primary interface with the DOE P	rogram Mana	ger.			
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. PROJECT TITLE/PARTICIPANT			2. DATE	3. IDENTIFICATION NO.
GA HOT CELL D&D PROJECT - PHASE 3			2/20/96	
4. WBS ELEMENT CODE	WBS ELEMENT CODE 5. WBS ELEM		MENT TITLE	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
1.4.8.4.3.5.2			DOE Requirements Supp	oort
6. INDEX LINE NUMBER	7. REVISION NO	D. & AUTHORIZ	ZATION	8. DATE
9		N/A		N/A
9. APPROVED CHANGES			30 Japan 19	
N/A	100 A Library			
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET & REPORTING NO),
N/A				
12. ELEMENT TASK DESCRIPTION				20036644444
a. Cost Content				
Labor Related				
b. Task Description				
Activities to support specific DC	DE requests.			
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APPENDIX D— LOGIC DIAGRAM

This appendix is not available in electronic format. Please email lm.records@gjo.doe.gov to request this appendix.