WHC-SP-1105

Fire Protection Program Fiscal Year 1997 Site Support Program Plan - Hanford Fire Department

D. E. Good

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Office of Environmental Restoration and
Waste Management

Westinghouse Hanford Company P.O Box 1970 Richland, Washington

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

Approved for Sponsor Release

SITE SUPPORT PROGRAM PLAN APPROVAL SHEET

FIRE PROTECTION PROGRAM - WHC 6.7.2.2

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INFORMATION RELEASE REQUEST
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I verify this change/revision to the base document indicated above:

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7. Responsible Manager: D. E. Good

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Kara J Broz (Signature) 7/31/96 (Date)

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RELEASE AUTHORIZATION

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This document was reviewed following the procedures described in WHC-CM-3-4 and is:

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Kara M. Broz

Kara M. Broz — July 31, 1996

Hanford Fire Department

FY 1997

Site Support Program Plan

July 31, 1996

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Section 1 - Program Overview

Vision/Mission	**Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2**	**FY 1997 Site Support Program Plan**

The mission of the Hanford Fire Department (HFD) is to support the safe and timely cleanup of the Hanford site by providing fire suppression, fire prevention, emergency rescue, emergency medical service, and hazardous materials response; and to be capable of dealing with and terminating emergency situations which could threaten the operations, employees, or interest of the U. S. Department of Energy operated Hanford Site. This includes response to surrounding fire departments/districts under mutual aid agreements and contractual fire fighting, hazardous materials, and ambulance support to Washington Public Power Supply System (Supply System) and various commercial entities operating on site. The fire department also provides site fire marshal overview authority, fire system testing and maintenance, respiratory protection services, building tours and inspections, ignitable and reactive waste site inspections, prefire planning, and employee fire prevention education.

Internal Assessment Summary	**Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2**	**FY 1997 Site Support Program Plan**

PRIMARY CUSTOMERS

Fire department services are provided to all Hanford DOE contractors and programs, sub-contractors, the Washington Public Power Supply System, the Bonneville Power Administration, private companies operating on site, and surrounding communities via mutual aid agreements.

PRODUCTS/SERVICES PROVIDED

The fire department provides life safety and property protection services on a 24 hour a day, 7 day-a-week basis and services which assure fire system operability through the call-in of fire systems maintenance personnel to repair emergency failures.

MAJOR ACTIVITIES PERFORMED TO DELIVERY PRODUCTS AND SERVICES

The specific activities and services performed by the fire department are described below:

Fire Suppression: In firefighting operations, the fire department's fire suppression effectiveness is put to the ultimate test. All of the activities used by the fire department must come together on the fireground. The HFD is trained, staffed, and equipped to suppress any credible fire threat to the Hanford site. This includes special purpose building fires, structure fires, nuclear facility fires, and range or wildland fires.

Emergency Rescue: Rescue operations are the most important consideration at any fire or emergency incident and is the only acceptable reason for exposing firefighters to otherwise unnecessary risks. Hanford fire crews maintain the capability for emergency rescue from fire, building collapse, excavation cave in, confined space, vehicle accidents, and any other accident scenario requiring rescue services.

Internal Assessment Summary (cont.)	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

Emergency Medical Services: These services are provided by utilizing the fire suppression personnel and cross-training them to be able to perform these essential life support tasks. These services includes basic and advanced life support. Basic life support is generally limited to airway maintenance, ventilatory (breathing) support, CPR (cardio-pulmonary resuscitation), hemorrhage control, splinting of fractures, management of spinal injuries, stabilization and transportation of the patient. Advanced life support services include all basic life support measures plus invasive medical procedures, including: intravenous therapy; cardiac defibrillation; administration of antiarrhythmic medications and other specific drugs, medications, and solutions; use of adjunctive ventilation devices; and all other procedures authorized by Washington State Law.

Hazardous Materials Response: This service is provided to the Hanford Site by utilizing selected suppression personnel, who are cross-trained and certified to perform this essential activity. Included in this service is emergency response to all site hazardous material spills and releases for control actions. These actions involve containment, confinement, and termination of emergency situations to best protect the site employees, facilities, and the environment.

Mutual Aid Response: This service is provided through written fire suppression and emergency medical plans and agreements with 10 different agencies, including surrounding fire districts, cities, and counties. Also included is a contractual agreement for firefighting, hazardous materials response, emergency rescue, and emergency medical support to the Washington Public Power Supply System.

Fire System Testing and Maintenance activities: Fire alarm, fire suppression, and fire water distribution system testing is a service provided to all Hanford site DOE contractors and agencies. Fire systems maintenance and repair services are provided for all prime contractor facilities, for those ICF Kaiser facilities that were previously managed by WHC, Bechtel, the Bonneville Power Administration Ashe Substation, and the 313 Building operated by Kaiser Aluminum. Services include: functional testing of fire systems components, systems and devices in 505 Hanford buildings and facilities; and corrective and preventive maintenance of approximately 19,238 fire alarm and suppression system devices.

Self-Contained Breathing Apparatus (SCBA) and Powered Air Purified Respirator (PAPR) maintenance and servicing: These services are provided to all Hanford contractors who own and operate SCBA and PAPR units. The service includes annual and biannual inspections and functional tests of each of the approximately 550 SCBA units, 100 MSA pressure-demand dual twin respirators, over 600 high pressure breathing air cylinders, and over 300 PAPR units located throughout the Hanford Site, plus the cleaning and recharging of units and cylinders as required.

Internal Assessment Summary (cont.)	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

Fire Prevention Program: This program is specifically authorized by DOE-RL and is administered as a part of the site fire protection program by the fire marshal. The fire marshal provides fire prevention, fire investigation, and fire and life safety education services using nationally recognized codes and standards. The elimination of fire causes and the ability to reduce potential injuries and to minimize losses when fires do occur is of the utmost priority.

EVALUATION OF MAJOR ACTIVITIES (COST, VALUE-ADDED, ETC.)

The services provided by the HFD, contribute directly to the safety of site personnel and facilities. Property loss is kept to a minimum, and personnel sickness or injuries are reduced in severity by providing prompt response of a well trained emergency response organization. Costs of emergency and fire systems testing services are shared by contractors through the common support pool and are kept very reasonable by having one organization with many cross-trained people able to fill a number of different emergency roles. Fire systems are tested and maintained to the requirements of national codes and standards by an efficient and cost effective organization established in response to a value engineering activity. Fire systems maintenance is funded through a service assessment pool with costs based upon the fire systems equipment in a given customer's facilities.

Building Tours and Inspections: Tours and inspections are conducted to familiarize suppression firefighters with building contents and any construction hazards of Hanford facilities and construction sites. These inspections include looking for code violations and potential fire hazards.

Prefire Planning: A prefire plan is an essential survey of a potential fire hazard and a plan for fighting a fire that might occur in a particular occupancy or facility. This service is provided by the fire suppression personnel and is a sitewide service. The prefire planning process involves four steps: 1) information gathering; 2) information analysis; 3) information dissemination, and 4) review and fire scene training drills. The individual facility/building layout showing access routes, dimensions, fire systems, exposures, and fire hydrants. Details include the type of occupancy, special volatile materials and construction of adjacent buildings and the best position to station fire apparatus in relation to water supply, space, grade, and to protect exposures.

FACTORS WHICH INFLUENCE RESOURCE CONSUMPTION (CHANGES TO COST AND VOLUME)

√ Frequently, deactivated facilities involving radioactive or hazardous materials require fire systems to remain in service that require servicing, testing, and maintenance. These fire protection systems cannot be deactivated until the fire systems are no longer required (as demonstrated by analysis) to minimize the effects of fires involving hazardous/radioactive materials and when life safety of personnel is not a driving consideration.

√ As testing and maintenance requirements (defined by NFPA codes and standards) change, the cost of compliance changes. In recent years, the number of testing and maintenance requirements have increased.

√ During building demolition, the risk of worker injury increases, often necessitating the pre-positioning of an on-the-scene ambulance and rescue team or mobile first aid facility. Because of these factors the staffing and funding requirements of the HFD are expected to remain near constant or grow slightly over the next five years.

FACTORS THAT INFLUENCE CHANGES IN TYPES OR NATURE OF PRODUCTS AND SERVICES

The type and nature of the services provided by the fire department will vary slightly as the site population and site mission changes, with more emphasis placed on medical and rescue operations associated with the higher risk clean-up mission and demolition, recovery of structural materials, and construction. New buildings and systems are being activated while others are being removed from service with a net result of maintaining the status quo for the foreseeable future.

Occasional changes to National Fire Protection Association (NFPA) codes and standards, Washington Administrative Codes (WACs), CFR/OSHA requirements, or DOE Orders can cause significant impacts to the type and quantity of services required. Such changes are part of the FY 1997 budget request, which factors in the cost of coming into compliance with several different NFPA codes and standards which have recently changed.

External Assessment Summary	**Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2**	**FY 1997 Site Support Program Plan**

SUMMARY OF CUSTOMER REQUIREMENTS (NEEDS)

The Hanford Fire Department meets the needs of DOE-RL, Hanford Site contractor, and other governmental and private business customers by providing timely emergency response services, reliable systems through testing and maintenance of fire systems, and an active fire prevention program. Meetings with DOE-RL occur several times monthly and meetings with site contractors occur at least twice monthly. These meetings are used as forums to discuss issues and services and to assure our services meet customer expectations. Formal assessments such as Value Engineering studies, external audits, third party assessments, and reengineering studies are scheduled periodically to assure that our capabilities continue to meet customer desires and the requirements of DOE orders and appropriate national codes and standards. A 3rd party assessment of site risks was conducted in FY 1996 at the request of RL. The results of this assessment will be used to help determine the site emergency service requirements for the next five to seven years.

OTHER EXTERNAL CHALLENGES

As customer missions change, the HFD responds. For example, the increase in decontamination and decommissioning activities has previously prompted HFD to acquire an additional ambulance and to have crews stand by during the conduct of potentially hazardous demolition tasks. As private or non-DOE governmental agencies move on site or as site activities are privatized, HFD is negotiating to provide a full range of services to these entities. These services are currently being provided to the Washington Public Power Supply System reactor complex, Kaiser Aluminum (in the 300 Area's 313 Building), the Laser Interferometer Gravitational Wave Observatory (LIGO), and the 400 Area facilities leased by the Port of Benton County (Washington).

Goals and Objectives	**Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2**	**FY 1997 Site Support Program Plan**

GENERAL GOALS AND OBJECTIVES:

The goals and objectives of the HFD are the preservation of life by immediate, on-the-scene emergency medical treatment of the sick and injured, control and extinguishment of fires within the 560-square miles of the Hanford Site, and continuation of active testing, maintenance and prevention programs that minimize potential property losses and eliminate unsafe conditions. The HFD also has the objective to meet or exceed all federal, state, and DOE-mandated standards, requirements, and guidelines.

The general goals of the HFD are:

- √ Provide adequate fire protection at the lowest possible cost
- √ Reduce fire risks for the site
- √ Provide rescue capabilities
- √ Control fire losses through ongoing prevention activities and programs
- √ Achieve fire safety awareness at all levels of the Hanford Site
- √ Provide emergency medical life support services
- √ Provide hazardous materials control services
- √ Provide testing and maintenance that assures properly functioning fire systems
- √ Provide mutual aid services
- √ Reduce overlapping services to other programs and organizations

SPECIFIC OBJECTIVES:

Fire Suppression - Provide a well-trained, effective fire suppression force for the preservation of life and property as related to the Hanford Site.

Emergency Rescue - Maintain a well-trained, ready to respond emergency force for rescue operations and preservation of life.

Goals and Objectives (cont.)	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

Emergency Medical Services - Provide both basic and advanced life support services to all personnel located on the Hanford Site.

Fire Alarm System Testing - Provide sitewide fire alarm and suppression system testing to assure the operability of installed fire systems.

Hazardous Materials Response - Provide emergency response capabilities to control, contain, confine, and terminate the emergency situations in a manner that protects the site employees, facilities, and the environment.

Mutual Aid Response - Provide, when requested, emergency fire suppression and medical resources to the surrounding cities, fire districts and counties as per pre-approved mutual aid agreements.

Breathing Apparatus Maintenance - Provide factory trained personnel to pickup, deliver, maintain and overhaul all site SCBA units, powered air purified respirators, and high-pressure breathing air cylinders.

Fire Systems Maintenance - Maintain a trained and qualified multi-disciplined organization to maintain and upgrade fire systems and to assure that failed systems are returned to service in a timely and efficient manner.

Building Tours and Inspections - Provide well-trained personnel to perform sitewide building and construction site inspections.

Prefire Planning - Conduct prefire planning on all high hazard areas and facilities on an annual basis and all other facilities/buildings as per HFD prescribed schedules for updating and maintaining current information for strategic planning of emergency operations on the Hanford Site.

Fire Prevention Program - Provide code compliance inspection and overviews of all facilities, buildings, and construction sites for the purpose of preventing fires from occurring and reduce the dollar loss in the ones that do occur.

CUSTOMER SUPPORT STRATEGIES

- √ Provide fire suppression, emergency rescue, emergency medical services, building tours and inspections, prefire planning, and fire prevention activities from the 100 Area fire station with a Monday through Friday, 10-hour per day pumper crew and ambulance crew. Extended and additional services can be provided (within existing staffing levels) to cover off-shift or weekend high risk activities if requested and paid for by customers in the 100 Areas.

- √ Provide fire suppression, emergency rescue, emergency medical services, hazardous materials response capabilities, building tours and inspections, prefire planning, and fire prevention activities from the 200 Area fire station with a 24-hour per day pumper crew (2) and ambulance crew.

- √ Provide fire suppression, emergency rescue, emergency medical services, hazardous materials response, capabilities, building tours and inspections, prefire planning, and fire prevention activities from the 300 Area fire station with a 24-hour per day pumper crew and ambulance crew.

- √ Provide fire suppression, emergency rescue, emergency medical services, building tours and inspections, prefire planning, and fire prevention activities from the 400 Area fire station with a 24-hour per day pumper crew and ambulance crew.

- √ Provide fire system maintenance support to customer organizations through a single multi-craft, multi-disciplined organization staffed with craft, engineers, planners/schedulers, and supporting firefighters.

- √ Provide a fire prevention program for the purpose of preventing most site fires from occurring and reducing the losses of the ones that do occur.

- √ Provide fire protection systems operational assurance and acceptance testing support for fire alarm and fire suppression systems and components. Other services include deactivation and reactivation of fire systems as required to accomplish facility tasks.

Strategies (cont.)	**Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2**	**FY 1997 Site Support Program Plan**

- √ Provide 24-hour-a-day dispatch capabilities. This task encompasses the timely dispatch of emergency responses to both onsite emergencies and offsite mutual aid emergencies.
- √ Provide emergency command officers for on-the-scene command of site emergencies and control of the fireground operations on a 24-hour basis.
- √ Provide innovative program management through diversification and utilization of all available resources. Program management has adapted to the change-oriented environment and will remain in line with the new mission at Hanford.
- √ Remain efficient and cost-effective through continuous periodic self-assessment, customer feedback, and external assessment by independent third party sources.
- √ Provide current information to site customers and the public regarding the emergency services capabilities of the department through the use of a home page on the World Wide Web.
- √ Produce a service demonstration video to showcase the full range of emergency and support services provided by the Hanford Fire Department to customer organizations.
- √ Provide all possible support for implementing the recommendations of the reengineering analysis of Hanford Site incident command.

ORGANIZATION AND MANAGEMENT STRATEGIES

Constantly seek self-improvement through employee involvement in an enthusiastic total quality program encompassing productivity improvement programs, the Behavior Based Safety Program, the Voluntary Protection Program, self-assessments, and team building.

Assumptions	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

- √ The level and type of services provided to site contractors in FY 1997 will be consistant with service levels provided during the last quarter of FY 1996.

- √ HFD will continue to supply the same range of services as currently provided in the 313 building for Kaiser Aluminum company and for the Washington Public Power Supply System complex.

- √ Implementation of the recommendations generated by the third party needs assessment will be implemented as defined in the DOE-RL approved implementation plan prepared by the HFD.

- √ The maintenance of PNNL and FFTF fire protection systems is not part of the work tasks covered by this document. Maintenance of the fire systems in these facilities could be picked up by the HFD as part of a future cost-savings initiative.

Issues and Constraints	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

- √ Implementation of the new NFPA 1582 Firefighter Medical Requirements will require a risk management review by Legal and Labor Relations regarding the impacts of this new standard on the existing work force; i.e., emergency response personnel.

- √ Implementation of the NFPA 1500 physical fitness requirements for firefighters will require negotiations with HAMTC firefighters and a risk management review by Legal and Labor Relations regarding the impacts on the existing work force; i.e., emergency response personnel.

- √ It is anticipated that during this fiscal year, HFD personnel will be asked to participate in the HAZWOPER emergency response demonstration pilot and other HAMMER-related support activities. That workscope is not included in this plan and will have to be addressed via change control once task scoping activities are completed. Fixed staffing levels will result in this work having a significant impact on other planned tasks by key department personnel.

- √ At the time when this plan was approved, the amount of award fee dollars available to the PHMC from successful completion of HFD milestones and other activities is unknown. Thus, funding to cover these potential fee payments is not included in the FY 1997 budget baselines contained in this plan. A change request to address these costs will be submitted as soon as the costs are defined.

Performance Measures	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

The fire department routinely reports on several different performance measures. The specific performance measures reported, the frequency report, and the organizations reported to are provided below:

Performance Measures	Report Frequency	Organization Reported To
Fire Alarm Responses	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Ambulance Runs	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Respiratory Protection Maintenance Statistics	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Training; given and received	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Complete 100% of fire system testing for the year	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Complete 85% of fire systems preventive maintenance for the year	Monthly	Building Managers, Company Senior Staff, and DOE-RL

Performance Measures (cont.)	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

Performance Measures	Report Frequency	Organization Reported To
Complete 90% of special inspections during the month in which they are scheduled.	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Complete 90% of building tours during the quarter in which they are scheduled.	Quarterly	Building Managers, Company Senior Staff, and DOE-RL
Delivery of 95% of fire prevention training during the month it is scheduled	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Investigate 100% of reported fires during the month they are reported	Monthly	Building Managers, Company Senior Staff, and DOE-RL
Process 100% of fire permits within three working days of date requested	Monthly	Building Managers, Company Senior Staff, and DOE-RL

Section 2 - Program Baselines

Technical Baseline

Work Breakdown Structure and Responsibility Assignment Matrix		Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2		FY 1997 Site Support Program Plan	
Program Element	**Activity/Program Sub-Element**	**Cost Account**	**Title**	**Responsible Manager**	**Responsible Organization**
6.7.2					
	6.7.2.2	1J8R00	Hanford Fire Department	D. E. Good	8R000, Hanford Fire Department
	6.7.2.2.1	1MDBOB	Life Safety, Property Protection, and Fire Systems Testing	D. E. Good	8R000, Hanford Fire Department
	6.7.2.2.2	1MDCOF	Fire Systems Maintenance	J. E. Finley	8R500, Fire Protection Systems Maintenance

Description of Activities	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan
ACTIVITY	**DESCRIPTION**	
6.7.2.2.1	Life safety and property protection services including: firefighting, emergency medical response, hazardous material response for containment and cleanup, fire systems functional testing, rescue services, respiratory protection servicing and repair, and fire prevention.	
6.7.2.2.2	Fire systems operational assurance, preventive maintenance and repair of fire protection systems.	

Technical Objectives	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan	
Program Sub-Element	**Task**	**Title**	**Technical Objectives**
6.7.2.2	6.7.2.2.1	Life Safety, Property Protection, and Fire Systems Testing	Provide timely response to fire, medical, rescue, and hazardous materials emergencies on the Hanford Site and offsite as covered by existing aid agreements. Provide operational testing of fire alarm, fire suppression, and fire water distribution systems on site.
	6.7.2.2.2	Fire Systems Maintenance	Perform preventive and repair maintenance on fire systems installed in or supporting facilities operated by government contractors, and other site facilities covered by agreements or memoranda of understanding.

Section 3 - Schedule Baseline

2.B.1 Milestone List		Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2		FY 1997 Site Support Program Plan
Milestone		WBS Number	Milestone Description	Due Date
Type	Number			
DOE-RL	97-HFD-001	6.7.2.2	SCBA Upgrades	09/30/97
DOE-RL	97-HFD-002	6.7.2.2	Firefighter Health Issues/Duty Assignments	06/30/97
DOE-RL	97-HFD-003	6.7.2.2	Resolve “911” issues	12/31/96
DOE-RL	97-HFD-004	6.7.2.2	3rd Party Needs Assessment Implementation Plan	01/01/97
DOE-RL	97-HFD-005	6.7.2.2.1	Ignitable/Reactive Waste Storage Area Inspections	12/31/96
DOE-RL	97-HFD-006	6.7.2.2.1	Fire System Testing Completion	09/30/97
DOE-RL	97-HFD-007	6.7.2.2.1	EMS Service Procedures and Protocols	12/31/96
DOE-RL	97-HFD-008	6.7.2.2.1	Emergency Communications/Dispatch	09/30/97
DOE-RL	97-HFD-009	6.7.2.2.1	EMS Skills Maintenance	09/30/97
DOE-RL	97-HFD-010	6.7.2.2.1	EMS Program Quality Improvement	09/30/97
DOE-RL	97-HFD-011	6.7.2.2.1	Procedural Compliance Validation Process	12/31/96
DOE-RL	97-HFD-012	6.7.2.2.2	Fire System Preventive Maintenance Completion	09/30/97

Milestone Description Sheets

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: SCBA Upgrades	Date: 10/01/96
Assigned to: Hanford Fire Department, W. R. Hayes	CIN:
Program WBS Designator: 6.7.2.2	Due Date: 09/30/97
Control Number: 97-HFD-001	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ________
	☐ RCRA	☐ Other (specify) ________	
	☐ TPA Number ________		

Milestone Description:

Modify or replace equipment as necessary to assure that 100 percent of the firefighting SCBA equipment is in compliance with the NFPA 1981 standard, 1994 revision.

Description of what constitutes completion of this milestone:

Purchase new HFD SCBA equipment and/or modify existing equiment to meet the requirements of NFPA 1981. Report completion of 100 percent to RL. In FY 1996, the HFD achieved phase two of this three-phase project in which 75% of this goal was achieved. The remaining 25% will be replaced or modified in FY 1997, which will result in a 100% upgrade of all HFD SCBA units.

Cost Account Manager:	Date:	Program/Project Manager	Date:
D. E. Good *D. E. Good*	9/13/96	D. E. Good *D. E. Good*	9/13/96
Program Element Manager	Date:	DOE-RL Monitor	Date:
n/a		S. J. Veitenheimer *S. J. Veitenheimer*	9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Firefighter health Issues/Duty Assignments	Date: 10/01/96
Assigned to: Hanford Fire Department - D. E. Good	CIN:
Program WBS Designator: 6.7.2.2	Due Date: 06/30/97
Control Number: 97-HFD-002	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ______
	☐ RCRA	☐ Other (specify) ______	
	☐ TPA Number ______		

Milestone Description:

Resolve disparity between firefighters being released for "full duty" by HEHF but not allowed to assume full duty assignments.

Description of what constitutes completion of this milestone:

Initiate impact bargaining to implement NFPA Medical Standard 1582, 1992 edition, pending legal determination that Public Law 104-113 applies to GOCO agencies. If PL 104-113 does not apply, enter into impact bargaining to establish light duty Testing and Services positions.

Cost Account Manager:	Date:	Program/Project Manager	Date:
D. E. Good D. E. Good	9/13/96	D. E. Good D. E. Good	9/13/96
Program Element Manager	Date:	DOE-RL Program/Project Manager	Date:
n/a		S. J. Veitenheimer S J Veitenheimer	9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Resolve "911" issues	Date: 10/01/96
Assigned to: Hanford Fire Department - R. E. Jordan	CIN:
Program WBS Designator: 6.7.2.2	Due Date: 12/31/96
Control Number: 97-HFD-003	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify)
	☐ RCRA	☐ Other (specify)	
	☐ TPA Number		

Milestone Description:

Educate site supervisory personnel to call "911" when medical situations occur and not transport a potentially critical and unstable patient to a first aid location.

Description of what constitutes completion of this milestone:

Through the Fire Marshal's office, issue a minimum of two public education notices to all employees on the use of "911." Intall emergency telephones on the outside of all fire stations to connect the caller directly to the HFD dispatch center.

Cost Account Manager:	Date:	Program/Project Manager	Date:
D. E. Good *D. E. Good*	9/13/96	D. E. Good *D. E. Good*	9/13/96
Program Element Manager	Date:	DOE-RL Monitor	Date:
n/a		S. J. Veitenheimer *S. J. Veitenheimer*	9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: 3rd Party Needs Assessment Implementation Plan	Date: 10/01/96
Assigned to: Hanford Fire Department - D. E. Good	CIN:
Program WBS Designator: 6.7.2.2	Due Date: 01/01/97
Control Number: 97-HFD-004	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify)
	☐ RCRA	☐ Other (specify)	
	☐ TPA Number		

Milestone Description:

Complete and submit to DOE-RL for approval an implementation plan for the 3rd Party Needs Assessment of the Hanford Fire Department.

Description of what constitutes completion of this milestone:

Delivery and approval of the plan to DOE-RL. The plan must include all recommendations identified by the needs assessment. For each identified recommendation, an implementation action plan must be provided that describes the schedule and necessary funding, if any, and funding strategies required to implement the recommendation. Each recommendation must also be assigned a priority ranking consistent with the needs assessment and describe the impact if the recommendation is not implemented. Each implementation recommendation will identify the responsible manager(s) assigned action of implementing the recommendation. The implementation plan must also describe method(s) that will be utilized to track each implementation recommendation until completion, including quarterly progress briefings to the HFD RL Program Monitor.

Cost Account Manager:	Date:	Program/Project Manager	Date:
D. E. Good D. E. Good	9/13/96	D. E. Good D. E. Good	9/13/96
Program Element Manager	Date:	DOE-RL Monitor	Date:
n/a		S. J. Veitenheimer S. J. Veitenheimer	9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Ignitable/Reactive Waste Storage Area Inspections	Date: 10/01/96
Assigned to: Hanford Fire Department - R. E. Jordan	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 12/31/96
Control Number: 97-HFD-005	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ______
	☐ RCRA	☐ Other (specify) ______	
	☐ TPA Number ______		

Milestone Description:

Complete 100 percent of all require inspections of all known ignitable or reactive waste storage areas (estimated to be 45 - 50) for compliance with WAC 173-303 Standards.

Description of what constitutes completion of this milestone:

Notification to the appropriate oversight authority that inspections have been completed.

Cost Account Manager: D. E. Good *D. E. Good*	Date: 9/13/96	Program/Project Manager D. E. Good *D. E. Good*	Date: 9/13/96
Program Element Manager n/a	Date:	DOE-RL Program/Project Manager S. J. Veitenheimer *[signature]*	Date: 9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Fire System Testing Completion	Date: 10/01/96
Assigned to: Hanford Fire Department - W. R. Hayes	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 09/30/97
Control Number: 97-HFD-006	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify)
	☐ RCRA	☐ Other (specify)	
	☐ TPA Number		

Milestone Description:

Complete 100 percent of the fire system testing scheduled for the year.

Description of what constitutes completion of this milestone:

Progress on completion of the commitment will be measured in the statistics provided to RL in the fire department's monthly operatins report. Tests that cannot be performed due to circumstances beyond the control of the fire department will not be included in this milestone.

Cost Account Manager: D. E. Good D. E. Good	Date: 9/13/96	Program/Project Manager D. E. Good D. E. Good	Date: 9/13/96
Program Element Manager n/a	Date:	DOE-RL Monitor S. J. Veitenheimer [signature]	Date: 9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: EMS Service Procedures and Protocols	Date: 10/01/96
Assigned to: Hanford Fire Department - W. M. Knight	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 12/31/96
Control Number: 97-HFD-007	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ______
	☐ RCRA	☐ Other (specify) ______	
	☐ TPA Number ______		

Milestone Description:

Adhere to EMS patient care procedures, protocols, and guidelines established by the Benton/Franklin Counties and the State of Washington, as stiluplated by the Medical Program Director.

Description of what constitutes completion of this milestone:

Concurrence by DOE-RL that actions identified by the HEHF/HFD Emergency Medical Interface Committee have been implemented.

Cost Account Manager: D. E. Good *D. E. Good*	Date: 9/13/96	Program/Project Manager D. E. Good *D. E. Good*	Date: 9/13/96
Program Element Manager n/a	Date:	DOE-RL Monitor S. J. Veitenheimer *S. J. Veitenheimer*	Date: 9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Emergency Communications/Dispatch	Date: 10/01/96
Assigned to: Hanford Fire Department - D. E. Good	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 09/30/97
Control Number: 97-HFD-008	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ____
	☐ RCRA	☐ Other (specify) ____	
	☐ TPA Number ____		

Milestone Description:

Establish site emergency communications/dispatch task force to examine establishment of a multi-agency oversight policy board.

Description of what constitutes completion of this milestone:

Negotiate for implementation of dedicated HFD dispatchers assigned and trained to the emergency medical dispatch level. Develop a system to immediately transfer to dedicated HFD dispatchers those "911" calls requiring HFD response.

Cost Account Manager: D. E. Good *D. E. Good*	Date: 9/13/96	Program/Project Manager D. E. Good *D. E. Good*	Date: 9/13/96
Program Element Manager n/a	Date:	DOE-RL Monitor S. J. Veitenheimer *S J Veitenheimer*	Date: 9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: EMS Skills Maintenance	Date: 10/01/96
Assigned to: Hanford Fire Department - W. M. Knight	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 09/30/97
Control Number: 97-HFD-009	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ________
	☐ RCRA	☐ Other (specify) ________	
	☐ TPA Number ________		

Milestone Description:

Ensure EMS skills maintenance through the following methods:

1) Close monitoring of CME and field performance
2) Require paramedic ride-alongs or hospital time on a monthly basis.
3) Provide paramedic ongoing training through experience program opportunities through a medical director
4) Perform appropriate procedural evaluations

Description of what constitutes completion of this milestone:

Update the written EMS Program Plan to include these elements and deliver to DOE-RL by 9/30/97.

Cost Account Manager:	Date:	Program/Project Manager	Date:
D. E. Good D. E. Good	9/13/96	D. E. Good D. E. Good	9/13/96
Program Element Manager	Date:	DOE-RL Monitor	Date:
n/a		S. J. Veitenheimer S. J. Veitenheimer	9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: EMS Program Quality Improvement	Date: 10/01/96
Assigned to: Hanford Fire Department - W. M. Knight	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 09/30/97
Control Number: 97-HFD-010	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ________
	☐ RCRA	☐ Other (specify) ________	
	☐ TPA Number ________		

Milestone Description:

Develop a program for continuous quality improvement (CQI) within the EMS program.

Description of what constitutes completion of this milestone:

Establish a CQI task force administered by knowledgeable EMS personnel. Establish a charter for the task force and provide a copy of the charter and the minutes from the first meeting to DOE-RL.

Cost Account Manager: D. E. Good *D. E. Good*	Date: 9/13/96	Program/Project Manager D. E. Good *D. E. Good*	Date: 9/13/96
Program Element Manager n/a	Date:	DOE-RL Monitor S. J. Veitenheimer *S. J. Veitenheimer*	Date: 9-13-96

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Procedural Compliance Validation Process	Date: 10/01/96
Assigned to: Hanford Fire Department - D. E. Good	CIN:
Program WBS Designator: 6.7.2.2.1	Due Date: 12/31/96
Control Number: 97-HFD-011	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify)
	☐ RCRA	☐ Other (specify)	
	☐ TPA Number		

Milestone Description:

Develop and implement a procedure which provides independent validation that applicable HFD procedures are being followed.

Description of what constitutes completion of this milestone:

Develop a procedure outlining requirements and elements of an unannounced conduct of operations review process of day-to-day HFD activities to ensure procedure compliance. Establish this review process.

Cost Account Manager: D. E. Good *D. E. Good*	Date: *9/13/96*	Program/Project Manager D. E. Good *D. E. Good*	Date: *9/13/96*
Program Element Manager n/a	Date:	DOE-RL Monitor S. J. Veitenheimer *[signature]*	Date: *9-13-96*

Westinghouse Hanford Company
MILESTONE DESCRIPTION SHEET

Title: Fire System Preventive Maintenance Completion	Date: 10/01/96
Assigned to: Hanford Fire Department - J. E. Finley	CIN:
Program WBS Designator: 6.7.2.2.2	Due Date: 09/30/97
Control Number: 97-HFD-012	Rev.:

Milestone Type:	Division:	Deliverable:	Address To:
☐ DOE-HQ	☐ State	■ Report	☐ DOE-HQ
■ DOE-RL	☐ Federal	☐ Letter	■ DOE-RL
☐ CNTR	■ DOE	☐ Drawings	☐ Other (specify) ______
	☐ RCRA	☐ Other (specify) ______	
	☐ TPA Number ______		

Milestone Description:

Complete ~~85~~ 100 (mja) percent of the preventive maintenance scheduled for performance by HFD personnel for the year.

Description of what constitutes completion of this milestone:

Completion of ~~85~~ 100 (mja) percent of scheduled preventive maintenance as measured in the statistics provided to RL in the fire department monthly operations report. PMs that cannot be completed due to circumstances beyond the control of the HFD will not be included in this milestone.

Cost Account Manager:	Date:	Program/Project Manager	Date:
D. E. Good *D. E. Good*	9/13/96	D. E. Good *D. E. Good*	9/13/96
Program Element Manager	Date:	DOE-RL Monitor	Date:
n/a		S. J. Veitenheimer *[signature]*	9-13-96

Cost Baseline

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part I - Summary

Revision # 0

31-Jul-96

Cost Account Number	Cost Account Title	Funding Source:	
1J8R00	Hanford Fire Department	G&A/SWS	
SMS WBS Number	SMS Title	Service Center	
6.7.2.2	Hanford Fire Department Overhead	DOH/Proration	DOH

Budget Analyst	O. Johnson
Cost Account Manager	D. E. Good
Financial Manager	D. E. Good
SMS Program Manager	D. E. Good
RL SMS Program Manager	S. J. Veitenheimer

Full Time Equivalents (FTEs)

	Exempt	Nonexempt	Bargaining	Total
Organizational	3.0	1.0	0.0	4.0
Support	0.5	0.0		0.5
Total	3.5	1.0	0.0	4.5

FY 1997 CAP

COST ELEMENTS	$000'S
0 Labor	$295.2
1 Materials	$0.0
2 Purchased Services	$8.0
3 Other Hanford Contractors	$1.0
7x Fee/Non DOH	
8 Revenue	
Subtotal Net Budget	$304.2
4 Site Services	$1.2
5 Internal Charges	$42.6
6 BCSR Support	
7C DOH	
Total Baseline	$348.0

SIGNATURES

CAM: D. E. Good Date: 9/13/96

SMS Program Manager: D. E. Good Date: 9/13/96

RL SMS Program Manager: [signature] Date: 9-13-96

BASELINE APPROVAL: DATE

WHC Indirect Program Administration (FAC)

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part II - Activity Detail

CAP # 1J8R00

COST ACCOUNT WORKSCOPE SUMMARY

Funded under this CAP are the activities of the Chief, Hanford Fire Department, the department secretary, the department financial and business program administrator, and the department staff assistant. Also included in this CAP is the passdown from the Level 1 organization, and funding to support 1/2 of a budget analyst.

APPROVED BASELINE:	FY 1997	
Activity Description	FTEs	Dollars
Work Package 1J8R0000 - provides management, administrative and financial/business services to the department	4.5	304.2
Subtotal Net	4.5	304.2
Total Activity	4.5	348.0
Activity Description		
Subtotal Net		
Total Activity		
Activity Description		
Subtotal Net		
Total Activity		
Approved Net	4.5	304.2
Approved Total	4.5	348.0

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part III - Crosswalk Building Block to the CAP detailed in this Program Plan

CAP # **1J8R00**

This type of data is required to crosswalk between the approved Building Block(s) and the CAP listed on this Indirect Program Plan

Approved Building Block	CAP	NET $	Total FTE
The work scope approved by DOE-RL for this activity is reflected in the WBS Part II approved baseline description	348.0	$304.2	4.5
Totals		$304.2	4.5

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # **1J8R00**

FY 1997 only ---- Two-Digit Organization Code

COS#	Title	8R				TOTAL
C010	Carpenters					0.0
C020	Electricians					0.0
C030	Heating Air-Conditioning and Refrig Mechanics (HVAC)					0.0
C040	Machinists					0.0
C050	Masons					0.0
C060	Millwrights					0.0
C070	Painters					0.0
C080	Plumbers and Pipefitters					0.0
C090	Structural and Metal Workers					0.0
C100	Vehicle and Mobile Equipment Mechanics					0.0
C110	Welders					0.0
C120	Other Crafts					0.0
C000	**Total Crafts**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
E010	Chemical Engineers					0.0
E020	Civil Engineers					0.0
E040	Electrical Engineers					0.0
E050	Environmental Engineers					0.0
E060	Industrial Engineers					0.0
E070	Mechanical Engineers					0.0
E080	Nuclear Engineers					0.0
E090	Petroleum/Mining Engineers					0.0
E100	Plant Engineers					0.0
E110	Quality Assurance/Control Engineers					0.0
E120	Safety Engineers					0.0
E130	Other Engineers					0.0
E140	Construction Engineers					0.0
E000	**Total Engineers**	0.0	0.0	0.0	0.0	**0.0**
G010	Administrative Assistants	1.0				1.0
G020	Office Clerks (General)					0.0
G030	Office Clerks (Specialized)					0.0
G040	Secretaries	1.0				1.0
G050	Typist and Word Processors					0.0
G060	Other General Admin, Secretarial and Clerical Support Staff					0.0
G000	**Total Admin, Secretarial and Clerical Support Staff**	2.0	0.0	0.0	0.0	**2.0**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # 1J8R00

FY 1997 only ---- Two-Digit Organization Code

	Title	8R				TOTAL
L010	Firefighters					0.0
L020	Food Service Workers					0.0
L030	Janitors and Cleaners					0.0
L040	Laundry Workers					0.0
L050	Handlers, Helpers and Laborers (General)					0.0
L060	Handlers, Helpers and Laborers (Specialized)					0.0
L070	Light Vehicle Drivers					0.0
L080	Security Guards					0.0
L090	Other Laborers and General Services Workers					0.0
L000	**Laborers and General Service Workers**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
M010	First Line Supervisors					0.0
M020	General Managers and Executives	1.0				1.0
M030	Project and Program Managers					0.0
M040	Other Managers					0.0
M000	**Gen Mgrs, Exec, First Line Supervisors and Prog/Proj Mgrs**	**1.0**	**0.0**	**0.0**	**0.0**	**1.0**
P010	Accountants and Auditors	0.5				0.5
P020	Architects					0.0
P030	Buyers, Procurement and Contracting Specialists					0.0
P040	Communications Specialists					0.0
P050	Compliance Inspectors					0.0
P060	Computer Systems Analysts					0.0
P070	Cost Estimators and Planners and Schedulers					0.0
P080	Health Physicists					0.0
P090	Industrial Hygienists					0.0
P100	Lawyers					0.0
P110	Personnel and Labor Relations Specialists					0.0
P120	Physicians					0.0
P130	Physician Assist, Nurses and Other Medical Supt Occupations					0.0
P140	Safeguards and Other Security Specialists					0.0
P150	Trainers					0.0
P160	Technical Writers, and Editors					0.0
P170	Other Administrative and Professional Other Occupations	1.0				1.0
P000	**Professional Administrative and Related Occupations**	1.5	0.0	0.0	0.0	1.5

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # 1J8R00

FY 1997 only ---- Two-Digit Organization Code

	Title	8R				TOTAL
R010	Chemical System Operators					0.0
R020	Drillers					0.0
R030	Material Moving Equipment Operators					0.0
R040	Nuclear Plant Operators					0.0
R050	Nuclear Waste Process Operators					0.0
R060	Production Systems Operators					0.0
R070	Utilities Operators					0.0
R080	Other Operators					0.0
R000	**Operators**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
S010	Chemists					0.0
S020	Environmental Scientists					0.0
S030	Geologists					0.0
S040	Life Scientists					0.0
S050	Materials Scientists					0.0
S060	Mathematicians					0.0
S070	Physicists					0.0
S080	Social Scientists					0.0
S090	Other Scientists					0.0
S100	Computer Scientists					0.0
S000	**Scientists**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
T010	Computer Operator/Coders					0.0
T020	Drafters					0.0
T030	Engineering Technicians					0.0
T040	Environmental Sciences Technicians					0.0
T050	Health Physics Technicians					0.0
T060	Industrial Safety and Health Technicians					0.0
T070	Instrument and Control Technicians					0.0
T080	Laboratory Technicians					0.0
T090	Media Technicians					0.0
T100	Survey and Mapping					0.0
T110	Other Technicians					0.0
T000	**Technicians**	0.0	0.0	0.0	0.0	0.0
	TOTAL	4.5	0.0	0.0	0.0	4.5

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part V - DOH/Proration/Service Center Rate Calculation Worksheet
(Dollars in 000's)

CAP # **1J8R00**

Pool Title:

Basis for Rate:

Provide the basis of the rate(s). (If another spreadsheet is used, insert that document for Part V.)
- Show what base is being used to calculate your rates.
- Where do the liquidation numbers come from? Specify by program if possible.
- Discuss significant changes from last year to this year
- Assumptions used, i.e., escalation, historical, activity based costing ...

These activities are funded via a 3.5% overhead rate. The overhead rate is applied to CAPS 1MDB0B and 1MDC0F. This is a reduction in the overhead rate from the FY 1996 rate of 5.0%. It is assumed that the management proration will be equivalent to the proration for FY 1996.

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part I - Summary

Revision # 0

31-Jul-96

Cost Account Number	Cost Account Title
1MDB0B	Hanford Fire Department
SMS WBS Number	SMS Title
6.7.2.2.1	Life Safety, Property Protection, Fire Systems Testing

Funding Source:	
G&A/SWS	SWS
Service Center	
DOH/Proration	

Budget Analyst	O. Johnson
Cost Account Manager	D. E. Good
Financial Manager	D. E. Good
SMS Program Manager	D. E. Good
RL SMS Program Manager	S. J. Veitenheimer

Full Time Equivalents (FTEs)

	Exempt	Nonexempt	Bargaining	Total
Organizational	19.5	4.0	84.5	108.0
Support	0.0	0.0	0.0	0.0
Total	19.5	4.0	84.5	108.0

FY 1997 CAP

COST ELEMENTS	$000'S
0 Labor	$6,885.3
1 Materials	$416.4
2 Purchased Services	$84.3
3 Other Hanford Contractors	$45.0
7x Fee/Non DOH	
8 Revenue	
Subtotal Net Budget	$7,431.0
4 Site Services	$1,031.0
5 Internal Charges	$407.4
6 BCSR Support	$309.0
7C DOH	$241.0
Total Baseline	$9,419.4

SIGNATURES

CAM: D. E. Good Date: 9/13/96

SMS Program Manager: D. E. Good Date: 9/13/96

RL SMS Program Manager: S. J. Veitenheimer Date: 9-13-96

BASELINE APPROVAL: DATE

WHC Indirect Program Administration (FAC)

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part II - Activity Detail

CAP # 1MDB0B

APPROVED BASELINE:	FY 1997 FTEs	FY 1997 Dollars
Activity Description		
Work Package 1MDB0B0A - Provide emergency fire, medical, hazmat, and rescue services to all personnel and facilities in the 100 Areas and northern 600 Area, dayshift week days only.	4.0	207.4
Subtotal Net	4.0	207.4
Total Activity	4.0	214.7
Activity Description		
Work Package 1MDB0B0B - Provide emergency fire, medical, hazmat, and rescue services to all personnel and facilities in the 200 Areas and northern 600 Area on a 24-hour per day, 7-day per week basis. Provide these services to the 100 Areas at night and on weekends and holidays. Includes dispatch services for the entire department.	33.0	2,230.4
Subtotal Net	33.0	2,230.4
Total Activity	33.0	2,308.5
Activity Description		
Work Package 1MDB0B0C - Provides emergency fire, medical, hazamat, and rescue services to all personnel and facilities in the 300, 1100, and southern 600 Areas on a 7-day per week, 24-hour per day basis.	18.0	1,137.3
Subtotal Net	18.0	1,137.3
Total Activity	18.0	1,177.1
Activity Description		
Work Package 1MDB0B0D - Provides emergency fire, medical, hazamat, and rescue services to all personnel and facilities in the 400 Areas, WPPSS complex, and 600 Area (south of the Wye Barricade) on a 7-day per week, 24-hour per day basis.	18.0	1,137.8
Subtotal Net	18.0	1,137.8
Total Activity	18.0	1,177.6
Activity Description		
Work Package 1MDBOBOE - Provide management and administrative support to fire systems testing and logistics and general oversight of the fire suppression emergency services of the HFD.	6.5	927.0
Subtotal Net	6.5	927.0
Total Activity	6.5	2,687.8

(cont.)

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part II - Activity Detail

CAP # 1MDB0B

APPROVED BASELINE:	FY 1997 FTEs	FY 1997 Dollars
Activity Description		
Work Package 1MDB0B0F - Test all life safety fire suppression and detection systems located north of the Wye Barricade and provide back-up emergency response capabilities.	13.5	857.4
Subtotal Net	13.5	857.4
Total Activity	13.5	887.4
Activity Description		
Work Package 1MDB0B0G - Test all life safety fire suppression and detection systems located south of the Wye Barricade and provide back-up emergency response capabilities.	10.0	626.0
Subtotal Net	10.0	626.0
Total Activity	10.0	647.9
Activity Description		
Work Package 1MDB0B0H - Provide fire marshal, fire prevention, permitting, fire investigations, and fire prevention program services across the Hanford Site.	5.0	307.6
Subtotal Net	5.0	307.6
Total Activity	5.0	318.4
Activity Description		
Subtotal Net		
Total Activity		
Activity Description		
Subtotal Net		
Total Activity		
Approved Net	108.0	7,430.9
Approved Total	108.0	9,419.4

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part III - Crosswalk Building Block to the CAP detailed in this Program Plan

CAP # **1MDB0B**

This type of data is required to crosswalk between the approved Building Block(s) and the CAP listed on this Indirect Program Plan

Approved Building Block	CAP	NET $	Total FTE
The workscope approved by DOE-RL for these activities is reflected in the WBS part II approved baseline descriptions.	9,419.4	$7,431.0	108.0
Totals		$7,431.0	108.0

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # **1MDB0B**

FY 1997 only ---- Two-Digit Organization Code

COS#	Title	8R				TOTAL
C010	Carpenters					0.0
C020	Electricians					0.0
C030	Heating Air-Conditioning and Refrig Mechanics (HVAC)					0.0
C040	Machinists					0.0
C050	Masons					0.0
C060	Millwrights					0.0
C070	Painters					0.0
C080	Plumbers and Pipefitters					0.0
C090	Structural and Metal Workers					0.0
C100	Vehicle and Mobile Equipment Mechanics					0.0
C110	Welders					0.0
C120	Other Crafts					0.0
C000	**Total Crafts**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
E010	Chemical Engineers					0.0
E020	Civil Engineers					0.0
E040	Electrical Engineers					0.0
E050	Environmental Engineers					0.0
E060	Industrial Engineers					0.0
E070	Mechanical Engineers					0.0
E080	Nuclear Engineers					0.0
E090	Petroleum/Mining Engineers					0.0
E100	Plant Engineers					0.0
E110	Quality Assurance/Control Engineers					0.0
E120	Safety Engineers					0.0
E130	Other Engineers	2.0				2.0
E140	Construction Engineers					0.0
E000	**Total Engineers**	**2.0**	**0.0**	**0.0**	**0.0**	**2.0**
G010	Administrative Assistants					0.0
G020	Office Clerks (General)	1.0				1.0
G030	Office Clerks (Specialized)					0.0
G040	Secretaries	2.0				2.0
G050	Typist and Word Processors					0.0
G060	Other General Admin, Secretarial and Clerical Support Staff	0.0				0.0
G000	**Total Admin, Secretarial and Clerical Support Staff**	**3.0**	**0.0**	**0.0**	**0.0**	**3.0**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # 1MDB0B

FY 1997 only ---- Two-Digit Organization Code

	Title	8R				TOTAL
L010	Firefighters	74.5				74.5
L020	Food Service Workers					0.0
L030	Janitors and Cleaners					0.0
L040	Laundry Workers					0.0
L050	Handlers, Helpers and Laborers (General)					0.0
L060	Handlers, Helpers and Laborers (Specialized)					0.0
L070	Light Vehicle Drivers					0.0
L080	Security Guards					0.0
L090	Other Laborers and General Services Workers					0.0
L000	**Laborers and General Service Workers**	**74.5**	**0.0**	**0.0**	**0.0**	**74.5**
M010	First Line Supervisors	9.0				9.0
M020	General Managers and Executives	4.0				4.0
M030	Project and Program Managers					0.0
M040	Other Managers					0.0
M000	**Gen Mgrs, Exec, First Line Supervisors and Prog/Proj Mgrs**	**13.0**	**0.0**	**0.0**	**0.0**	**13.0**
P010	Accountants and Auditors					0.0
P020	Architects					0.0
P030	Buyers, Procurement and Contracting Specialists					0.0
P040	Communications Specialists					0.0
P050	Compliance Inspectors	1.0				1.0
P060	Computer Systems Analysts					0.0
P070	Cost Estimators and Planners and Schedulers	1.5				1.5
P080	Health Physicists					0.0
P090	Industrial Hygienists					0.0
P100	Lawyers					0.0
P110	Personnel and Labor Relations Specialists					0.0
P120	Physicians					0.0
P130	Physician Assist, Nurses and Other Medical Supt Occupations	9.0				9.0
P140	Safeguards and Other Security Specialists					0.0
P150	Trainers					0.0
P160	Technical Writers, and Editors					0.0
P170	Other Administrative and Professional Other Occupations	3.0				3.0
P000	**Professional Administrative and Related Occupations**	**14.5**	**0.0**	**0.0**	**0.0**	**14.5**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # 1MDB0B

FY 1997 only ---- Two-Digit Organization Code

	Title	8R				TOTAL
R010	Chemical System Operators					0.0
R020	Drillers					0.0
R030	Material Moving Equipment Operators					0.0
R040	Nuclear Plant Operators					0.0
R050	Nuclear Waste Process Operators					0.0
R060	Production Systems Operators					0.0
R070	Utilities Operators					0.0
R080	Other Operators					0.0
R000	**Operators**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
S010	Chemists					0.0
S020	Environmental Scientists					0.0
S030	Geologists					0.0
S040	Life Scientists					0.0
S050	Materials Scientists					0.0
S060	Mathematicians					0.0
S070	Physicists					0.0
S080	Social Scientists					0.0
S090	Other Scientists					0.0
S100	Computer Scientists					0.0
S000	**Scientists**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
T010	Computer Operator/Coders					0.0
T020	Drafters					0.0
T030	Engineering Technicians					0.0
T040	Environmental Sciences Technicians					0.0
T050	Health Physics Technicians					0.0
T060	Industrial Safety and Health Technicians					0.0
T070	Instrument and Control Technicians					0.0
T080	Laboratory Technicians					0.0
T090	Media Technicians					0.0
T100	Survey and Mapping					0.0
T110	Other Technicians	1.0				1.0
T000	**Technicians**	**1.0**	**0.0**	**0.0**	**0.0**	**1.0**
	TOTAL	**108.0**	**0.0**	**0.0**	**0.0**	**108.0**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part V - DOH/Proration/Service Center Rate Calculation Worksheet
(Dollars in 000's)

CAP # **1MDB0B**

Pool Title: Site-wide Support Pool

Basis for Rate:

Provide the basis of the rate(s). (If another spreadsheet is used, insert that document for Part V.)
- Show what base is being used to calculate your rates.
- Where do the liquidation numbers come from? Specify by program if possible.
- Discuss significant changes from last year to this year
- Assumptions used, i.e., escalation, historical, activity based costing ...

Customers of the SWS pool are assessed for fire department services based upon the estimated replacement value of their facilities.

The HFD currently provides services to WPPSS, the BPA Ashe Substation, Kaiser Aluminum, the LIGO Project, and several other non-DOE contractor companies or agencies. If a method could be found to reflect in this package the revenue generated from these activities, then originated costs would decrease by several hundred thousand dollars.

Includes one fire protection engineer transferred into the organization as a result of reengineering. This FTE was funded by HFD in past years under cost element 4xx.

Includes $102.0K for weed spraying and controlled burns along roads, highways, and fire breaks.

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part I - Summary

Revision # 0 31-Jul-96

Cost Account Number	Cost Account Title	Funding Source:
1MDC0F	Fire Protection Systems Maintenance	G&A/SWS
SMS WBS Number	SMS Title	Service Center
6.7.2.2.2	Fire Systems Maintenance	DOH/Proration POOL

Budget Analyst	O. Johnson
Cost Account Manager	D. E. Good
Financial Manager	D. E. Good
SMS Program Manager	D. E. Good
RL SMS Program Manager	S. J. Veitenheimer

Full Time Equivalents (FTEs)

	Exempt	Nonexempt	Bargaining	Total
Organizational	10.5	0.0	21.5	32.0
Support	0.0	0.0	0.0	0.0
Total	10.5	0.0	21.5	32.0

FY 1997 CAP

COST ELEMENTS	$000'S
0 Labor	$2,012.5
1 Materials	$249.6
2 Purchased Services	$28.0
3 Other Hanford Contractors	$66.0
7x Fee/Non DOH	
8 Revenue	
Subtotal Net Budget	$2,356.1
4 Site Services	$193.0
5 Internal Charges	$101.9
6 BCSR Support	58.8
7C DOH	$70.4
Total Baseline	$2,780.2

SIGNATURES

CAM: D. E. Good Date: 9/13/96

SMS Program Manager: D. E. Good Date: 9/13/96

RL SMS Program Manager: S. J. Veitenheimer Date: 9-13-96

BASELINE APPROVAL: DATE

WHC Indirect Program Administration (FAC)

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part II - Activity Detail

CAP # 1MDC0F

APPROVED BASELINE:	FY 1997 FTEs	FY 1997 Dollars
Activity Description		
Preventive maintenance and repair of fire alarm, fire suppression ,and fire water distribution systems including fire hydrants and ground valves. Includes engineering, planning/scheduling, procedure development, recall, and spare parts.	32.0	2,355.5
Subtotal Net	32.0	2,355.5
Total Activity	32.0	2,780.2
Activity Description		
Subtotal Net		
Total Activity		
Activity Description		
Subtotal Net		
Total Activity		
Activity Description		
Subtotal Net		
Total Activity		
Activity Description		
Subtotal Net		
Total Activity		
Approved Net	32.0	2,355.5
Approved Total	32.0	2,780.2

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part III - Crosswalk Building Block to the CAP detailed in this Program Plan

CAP # **1MDC0F**

This type of data is required to crosswalk between the approved Building Block(s) and the CAP listed on this Indirect Program Plan

Approved Building Block	CAP	NET $	Total FTE
The work scope approved by DOE-RL for this activity is reflected in the WBS Part II approved baseline description	2,780.2	$2,356.1	32.0
Totals		$2,356.1	32.0

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # 1MDC0F

FY 1997 only ---- Two-Digit Organization Code

COS#	Title	8R				TOTAL
C010	Carpenters					0.0
C020	Electricians	8.0				8.0
C030	Heating Air-Conditioning and Refrig Mechanics (HVAC)					0.0
C040	Machinists					0.0
C050	Masons					0.0
C060	Millwrights					0.0
C070	Painters					0.0
C080	Plumbers and Pipefitters	8.0				8.0
C090	Structural and Metal Workers					0.0
C100	Vehicle and Mobile Equipment Mechanics					0.0
C110	Welders					0.0
C120	Other Crafts					0.0
C000	**Total Crafts**	**16.0**	**0.0**	**0.0**	**0.0**	**16.0**
E010	Chemical Engineers					0.0
E020	Civil Engineers					0.0
E040	Electrical Engineers					0.0
E050	Environmental Engineers					0.0
E060	Industrial Engineers					0.0
E070	Mechanical Engineers					0.0
E080	Nuclear Engineers					0.0
E090	Petroleum/Mining Engineers					0.0
E100	Plant Engineers	5.0				5.0
E110	Quality Assurance/Control Engineers					0.0
E120	Safety Engineers					0.0
E130	Other Engineers					0.0
E140	Construction Engineers					0.0
E000	**Total Engineers**	**5.0**	**0.0**	**0.0**	**0.0**	**5.0**
G010	Administrative Assistants					0.0
G020	Office Clerks (General)					0.0
G030	Office Clerks (Specialized)	1.0				1.0
G040	Secretaries					0.0
G050	Typist and Word Processors					0.0
G060	Other General Admin, Secretarial and Clerical Support Staff					0.0
G000	**Total Admin, Secretarial and Clerical Support Staff**	**1.0**	**0.0**	**0.0**	**0.0**	**1.0**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # **1MDC0F**

FY 1997 only ---- Two-Digit Organization Code

	Title	8R				TOTAL
L010	Firefighters	4.5				4.5
L020	Food Service Workers					0.0
L030	Janitors and Cleaners					0.0
L040	Laundry Workers					0.0
L050	Handlers, Helpers and Laborers (General)					0.0
L060	Handlers, Helpers and Laborers (Specialized)					0.0
L070	Light Vehicle Drivers					0.0
L080	Security Guards					0.0
L090	Other Laborers and General Services Workers					0.0
L000	**Laborers and General Service Workers**	**4.5**	**0.0**	**0.0**	**0.0**	**4.5**
M010	First Line Supervisors	2.0				2.0
M020	General Managers and Executives					0.0
M030	Project and Program Managers					0.0
M040	Other Managers					0.0
M000	**Gen Mgrs, Exec, First Line Supervisors and Prog/Proj Mgrs**	**2.0**	**0.0**	**0.0**	**0.0**	**2.0**
P010	Accountants and Auditors					0.0
P020	Architects					0.0
P030	Buyers, Procurement and Contracting Specialists					0.0
P040	Communications Specialists					0.0
P050	Compliance Inspectors					0.0
P060	Computer Systems Analysts					0.0
P070	Cost Estimators and Planners and Schedulers	3.0				3.0
P080	Health Physicists					0.0
P090	Industrial Hygienists					0.0
P100	Lawyers					0.0
P110	Personnel and Labor Relations Specialists					0.0
P120	Physicians					0.0
P130	Physician Assist, Nurses and Other Medical Supt Occupations					0.0
P140	Safeguards and Other Security Specialists					0.0
P150	Trainers					0.0
P160	Technical Writers, and Editors					0.0
P170	Other Administrative and Professional Other Occupations					0.0
P000	**Professional Administrative and Related Occupations**	**3.0**	**0.0**	**0.0**	**0.0**	**3.0**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part IV - Full Time Equivalent (FTE) Calculation Worksheet

CAP # 1MDC0F

FY 1997 only ---- Two-Digit Organization Code

	Title	8R				TOTAL
R010	Chemical System Operators					0.0
R020	Drillers					0.0
R030	Material Moving Equipment Operators					0.0
R040	Nuclear Plant Operators					0.0
R050	Nuclear Waste Process Operators					0.0
R060	Production Systems Operators					0.0
R070	Utilities Operators					0.0
R080	Other Operators					0.0
R000	**Operators**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
S010	Chemists					0.0
S020	Environmental Scientists					0.0
S030	Geologists					0.0
S040	Life Scientists					0.0
S050	Materials Scientists					0.0
S060	Mathematicians					0.0
S070	Physicists					0.0
S080	Social Scientists					0.0
S090	Other Scientists					0.0
S100	Computer Scientists					0.0
S000	**Scientists**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
T010	Computer Operator/Coders					0.0
T020	Drafters					0.0
T030	Engineering Technicians					0.0
T040	Environmental Sciences Technicians					0.0
T050	Health Physics Technicians					0.0
T060	Industrial Safety and Health Technicians					0.0
T070	Instrument and Control Technicians					0.0
T080	Laboratory Technicians					0.0
T090	Media Technicians					0.0
T100	Survey and Mapping					0.0
T110	Other Technicians					0.0
T000	**Technicians**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	TOTAL	**31.5**	**0.0**	**0.0**	**0.0**	**31.5**

FY 1997 Program Plan
Work Breakdown Structure Dictionary
Part V - DOH/Proration/Service Center Rate Calculation Worksheet
(Dollars in 000's)

CAP # **1MDC0F**

Pool Title: Fire Systems Maintenance Service Assessment Pool

Basis for Rate:

Provide the basis of the rate(s). (If another spreadsheet is used, insert that document for Part V.)

- Show what base is being used to calculate your rates.
- Where do the liquidation numbers come from? Specify by program if possible.
- Discuss significant changes from last year to this year
- Assumptions used, i.e., escalation, historical, activity based costing ...

Fire Systems Maintenance costs are assessed to customers based on the number and type of fire system devices installed in that customer's buildings and facilities.

The base for this pool in FY 1997 is expected to be $2779.6K, down $272.4K from the approved FY 1996 budget.

A copy of the most recent cost distribution matrix is inserted on the following page. The FY 1997 distribution is expected to closely resemble the most current FY 1996 matrix.

FIRE SYSTEMS MAINTENANCE DISTRIBUTIONS FY96

Responsible Mgr.	Org. Code	Cost Account	WBS #	1996 TPCN	ORB Baseline Auth.	% Dist.	Oct. -- Mar. Monthly Assessment	April 1996 Assessment	May -- Sept. Monthly Assessment
A.E. Schilling	15B00/TRP	1K6EO1	1K6E010G01	K6077	$316.8 k	10.38%	$26.4 k	$12.0 k	$25.4 k
N.J. LaRock	16000/TRP	1KN102	1KN102010A	KN112	$47.1 k	1.54%	$3.9 k	$1.8 k	$3.8 k
N.J. LaRock	16000/TRP	1KW102	1KW102010A	KW112	$22.2 k	0.73%	$1.9 k	$0.8 k	$1.8 k
D.G. Hamrick	17000/TRP	1KP107	1KP1030000	KP103	$137.0 k	4.49%	$11.4 k	$5.2 k	$11.0 k
G.J. Boehnke	18600/TRP	1B1811	1B18110402	B1003	$91.3 k	2.99%	$7.6 k	$3.4 k	$7.3 k
A.D. Danko	19200/TRP	1J1910	1J19100105	JAD05	$10.1 k	0.33%	$0.8 k	$0.4 k	$0.8 k
A.D. Danko	19200/TRP	1B6802	1B68020109	B6DDE	$27.2 k	0.89%	$2.3 k	$1.0 k	$2.2 k
I.L. Metcalf	19800/TRP	1K3A01	1K3A010E03	K31E3	$9.0 k	0.29%	$0.8 k	$0.3 k	$0.7 k
I.L. Metcalf	19800/TRP	1K3A05	1KEA050H03	K35H3	$62.4 k	2.04%	$5.2 k	$2.4 k	$5.0 k
C.T. Miller	2A400/SNF	1LCC01	1LCC010101	LC001	$101.6 k	3.33%	$8.5 k	$3.8 k	$8.1 k
D.E. Good	8R000/HFD	1MDB0B	1MDB0B0E06	MBBEA	$36.0 k	1.18%	$3.0 k	$1.4 k	$2.9 k
E.C. Dahlin	43001/KEH	1MDL00	1MDL000118	MFERN	$43.9 k	1.44%	$3.7 k	$1.7 k	$3.5 k
R. Gonzales	52780/KEH	1MDH0C	1MDH0C0W08	MD2W8	$41.2 k	1.35%	$3.4 k	$1.6 k	$3.3 k
R. Gonzales	52780/KEH	1MDH0C	1MDH0C0F0R	MD2F8	$330.5 k	10.83%	$27.5 k	$12.5 k	$26.5 k
R. Gonzales	52780/KEH	1MDH0C	1MDH0C0S08	MD2H8	$163.3 k	5.35%	$13.6 k	$6.2 k	$13.1 k
B. Akers	52790/KEH	1MDH0B	1MDH0B0F08	MD3F8	$218.2 k	7.15%	$18.2 k	$8.2 k	$17.5 k
B. Akers	52790/KEH	1MDH0B	1MDH0B0W08	MD3W8	$213.6 k	7.00%	$17.8 k	$8.1 k	$17.1 k
B. Akers	52790/KEH	1MDH0B	1MDH0B0S08	MD3H8	$150.8 k	4.94%	$12.6 k	$5.7 k	$12.1 k
D.S. Gleason	54300/KEH	1MDA04	1MDA04051T	M451T	$111.4 k	3.65%	$9.3 k	$4.2 k	$8.9 k
R.L. Fritz	54500/KEH	1MDA0A	1MDA0A081T	MA8IT	$72.9 k	2.39%	$6.1 k	$2.8 k	$5.8 k
J.L. Day	54600/KEH	1MDA05	1MDA05051T	M551T	$230.4 k	7.55%	$19.2 k	$8.7 k	$18.5 k
H.S. Bickel	52324/KEH	1MDA0E	1MDA0E0A0A	M19A1	$6.4 k	0.21%	$0.5 k	$0.2 k	$0.5 k
B.A. Holmberg	52300/KEH	1J5230	1J5230010A	J52AA	$39.1 k	1.28%	$3.3 k	$1.5 k	$3.1 k
H.E. Eaton	69900/KEH	1MDE0H	1MDE0H0F20	MEF20	$3.4 k	0.11%	$0.3 k	$0.1 k	$0.3 k
C.F. Hoffman	77130/TWR	1D4D1G	1DRD1G02G2	D4DG2	$5.4 k	0.18%	$0.5 k	$0.2 k	$0.4 k
D. Webber	77200/WTF	1N1G7S	1N1G72060A	N1916	$45.2 k	1.48%	$3.8 k	$1.7 k	$3.6 k
J.E. Geary	77300/EVAP	1N1A12	1N1A12010A	N1784	$28.1 k	0.92%	$2.3 k	$1.1 k	$2.3 k
P. Hinojosa	77100/ETF	1N1F62	1N1F62060A	N1721	$134.0 k	4.39%	$11.2 k	$5.1 k	$10.7 k
W.H. Christofferson	BK510/BHI			X60017	$238.1 k	7.80%	$19.8 k	$9.0 k	$19.1 k
J.L. Heinemann	75756/WAE	1YL515	1YL5150E10	YL55E	$24.1 k	0.79%	$2.0 k	$0.9 k	$1.9 k
P.J. Crane	87250/WAE	1A1301	1A13010C04	A3C04	$9.8 k	0.32%	$0.8 k	$0.4 k	$0.8 k
P.J. Crane	87250/WAE	1A1401	1A14010C04	A4C04	$56.5 k	1.85%	$4.7 k	$2.1 k	$4.5 k
P.J. Crane	87420/WAE	1A1501	1A15010C30	A5C30	$7.6 k	0.25%	$0.6 k	$0.3 k	$0.6 k
M.S. Wright	87400/SWD	1A3301	1A33010A02	A31AA	17.4 k	0.57%	$1.5 k	$0.7 k	$1.4 k
		GRAND TOTAL			$3,052.0 k	100.00%	$254.3 k	$115.3 k	$244.6 k

Cost Baseline by Program Element	**Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2**	**FY 1997 Site Support Program Plan**

FY 1996 Cost Baseline
($s in 000s)

WBS No.	Title	Total $s
6.7.2.2.1	Life Safety, Property Protection, and Fire Systems Testing	$10,092.7
6.7.2.2.2	Fire Systems Maintenance	$2,915.0
	FY 1996 Total for 6.7.2.2	**$13,007.7**

Excludes company adders (G&A and CSP/Oversight)

FY 1997 Cost Baseline
($s in 000s)

WBS No.	Title	Total $s
6.7.2.2.1	Life Safety, Property Protection, and Fire Systems Testing	$9,687.9
6.7.2.2.2	Fire Systems Maintenance	$2,859.6
	FY 1997 Total for 6.7.2.2	**$12,547.5**

Excludes company adders (G&A and CSP/Oversight)

Cost Baseline by Program Element (cont.)	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

FY 1998 Cost Baseline
($s in 000s)

WBS No.	Title	Total $s
6.7.2.2.1	Life Safety, Property Protection, and Fire Systems Testing	$9,978.5
6.7.2.2.2	Fire Systems Maintenance	$2,945.4
	FY 1997 Total for 6.7.2.2	**$12,923.9**

Excludes company adders (G&A and CSP/Oversight)

FY 1999 Cost Baseline
($s in 000s)

WBS No.	Title	Total $s
6.7.2.2.1	Life Safety, Property Protection, and Fire Systems Testing	$10,277.9
6.7.2.2.2	Fire Systems Maintenance	$3,033.8
	FY 1998 Total for 6.7.2.2	**$13,311.7**

Excludes company adders (G&A and CSP/Oversight)

Cost Baseline by Activity	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

FY 1996 Cost Baseline
(Dollars in Thousands)

Activity	Description	Total $s
6.7.2.2.1	Life safety and property protection including fire suppression, rescue, emergency medical response, HAZMAT response, fire prevention, SCBA servicing and repair, and functional testing of fire alarm and suppression systems.	$10,092.7
6.7.2.2.2	Preventive and repair maintenance of all fire systems installed in most ICF Kaiser and all WHC and Bechtel buildings and facilities located on site.	$2,915.0
[Excludes company adders (G&A and CSP/Oversight)]	**FY 1996 Total for (SMS/WBS No)**	$13,007.7

FY 1997 Cost Baseline
(Dollars in Thousands)

6.7.2.2.1	Life safety and property protection including fire suppression, rescue, emergency medical response, hazardous materials response, fire systems testing, fire prevention, and SCBA servicing and repair. Includes 1) $295.0K funding to comlete a DOE-RL requested 3rd party assessment of fire protection services at Hanford.	$9,687.9
6.7.2.2.1	Fire systems preventive maintenance and repair.	$2,859.6
[Excludes company adders (G&A and CSP/Oversight)]	**FY 1997 Total for (SMS/WBS No)**	**$12,547.5**

Cost Baseline by Activity (cont.)	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

FY 1998 Cost Baseline

(Dollars in Thousands)

Activity	Description	Total $s
6.7.2.2.1	Life safety and property protection including fire suppression, rescue, emergency medical response, fire systems testing, hazardous materials response, and SCBA service and repair. Includes 3.0% escalation.	$9,978.5
6.7.2.2.2	Fire system assurance and maintenance of fire systems. Reflects 3.0% escalation.	$2,945.4
[Excludes company adders (G&A and CSP/Oversight)]	**FY 1998 Total for (SMS/WBS No)**	**$12,923.9**

FY 1999 Cost Baseline

(Dollars in Thousands)

6.7.2.2.1	Life safety and property protection including fire suppression, rescue, emergency medical response, fire systems testing, hazmat response, and SCBA service and repair. Includes 3.0% escalation.	$10,277.9
6.7.2.2.2	Fire system assurance including testing and maintenance of fire systems. Reflects 2.9% escalation.	$3,033.8
[Excludes company adders (G&A and CSP/Oversight)]	**FY 1999 Total for (SMS/WBS No)**	$13,311.7

Cost Baseline by Funding Source		Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2				FY 1997 Site Support Program Plan	
WBS #	**Title**	**Dept. OH**	**CSP/Oversight**	**SLP**	**G & A**	**Direct $**	**TOTAL $s**

FY 1996 Cost Baseline
(Dollars in Thousands)

WBS #	Title	Dept. OH	CSP/Oversight	SLP	G & A	Direct $	TOTAL $s
6.7.2.2	Functional Overhead	$277.3					
6.7.2.2.1	Emergency Services		$9,877.7				
6.7.2.2.2	Fire Systems Maintenance			$2,852.8			
	TOTALS	**$277.3**	**$9,877.7**	**$2,852.8**			**$13,007.8**

FY 1997 Cost Baseline
(Dollars in Thousands)

WBS #	Title	Dept. OH	CSP/Oversight	SLP	G & A	Direct $	TOTAL $s
6.7.2.2	Functional Overhead	$348.0					
6.7.2.2.1	Emergency Services and Fire Systems Testing		$9,419.4				
6.7.2.2.2	Fire Systems Maintenance			$2,780.1			
	TOTALS	**$348.0**	**$9,419.4**	**$2,780.1**			**$12,547.5**

Cost Baseline by Funding Source		Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2				FY 1997 Site Support Program Plan	
WBS #	**Title**	**Dept. OH**	**CSP/Oversight**	**SLP**	**G & A**	**Direct $**	**TOTAL $s**

FY 1998 Cost Baseline
(Dollars in Thousands)

WBS #	Title	Dept. OH	CSP/Oversight	SLP	G & A	Direct $	TOTAL $s
6.7.2.2	Functional Overhead	$358.4					
6.7.2.2.1	Emergency Services and Fire Systems Testing		$9,702.0				
6.7.2.2.2	Fire Systems Maintenance			$2,863.5			
	TOTALS	**$358.4**	**$9,702.0**	**$2,863.5**			**$12,923.9**

FY 1999 Cost Baseline
(Dollars in Thousands)

WBS #	Title	Dept. OH	CSP/Oversight	SLP	G & A	Direct $	TOTAL $s
6.7.2.2	Functional Overhead	$369.2					
6.7.2.2.1	Emergency Services and Fire Systems Testing		$9,993.0				
6.7.2.2.2	Fire Systems Maintenance			$2,949.5			
	TOTALS	**$369.2**	**$9,993.0**	**$2,949.5**			**$13,311.7**

Cost Basis	Westinghouse Hanford Company Hanford Fire Department Program Plan SMS/WBS No. 6.7.2.2	FY 1997 Site Support Program Plan

Cost Estimating Assumptions: Costs are based on requirements as they exist today and do not include funds for future changes to requirement documents.

Estimating Methodology: The estimate for the emergency services portion of the budget is based on an analysis of national code and DOE order requirements and the staffing and materials required to meet these. Customer organizations are assessed a percentage of this budget, through the site-wide support (SWS) pool, based upon the size of their budget compared to the total site budget.

The estimate for the maintenance activity costs is based upon the number and type of fire system equipment items in service and the annual time required to test and maintain them to current requirements. Costs to individual customer organizations are based upon the specific equipment installed in that customer's facilities and any special hazards related to the tasks.

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