

CH2M HILL Hanford Group, Inc.	Manual	ESHQ
HANFORD FIRE DEPARTMENT SERVICES	Document	TFC-ESHQ-FP-STD-12, REV A
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1.0 PURPOSE AND SCOPE

This standard provides a synopsis and description of the services performed by the Hanford Fire Department (HFD), as procured by CH2M HILL. It also presents the requirements for coordinating the effectual and timely delivery of services.

2.0 IMPLEMENTATION

This standard is effective on the date shown in the header.

3.0 STANDARD

3.1 Incident Management

In the event of an emergency, CH2M HILL contacts the HFD. The HFD is the lead emergency response organization providing incident command for fire suppression, emergency medical and ambulance service, special emergency rescue, and hazardous material events for Hanford Site operations. Other specific services may also be provided in accordance with mutual agreements established between the Tank Farm Contractor (TFC) and the HFD.

3.2 Fire Suppression

CH2M HILL contacts the HFD to respond to all fires on the Hanford Site, including fires involving radiologically contaminated facilities or events with the potential for a nuclear criticality incident.

3.3 Emergency Medical Response and Treatment

CH2M HILL contacts the HFD to respond to all medical emergencies on the Hanford Site.

3.4 Hazardous Materials Response, Containment, and Control

CH2M HILL contacts the HFD, which is the appointed emergency response organization, for all hazardous materials emergencies on the Hanford Site. The HFD mitigates and stabilizes emergency events. The TFC is responsible for all clean-up and decontamination after an emergency ends (Washington Administrative Code (WAC) 173-303). (5.1.1)

3.5 Confined Space, High Angle, and Low Angle Technical Rescue

CH2M HILL contacts the HFD which is the appointed rescue agency for the Hanford Site. Such rescue conditions may include confined spaces, hazardous areas, cave-ins, trench rescue, building collapse, and high angle rescues. The HFD provides the necessary expertise for reviewing safety plans for hazardous entries and provides trained rescue personnel for standby during hazardous work activities upon request.

3.6 Functional Testing and Preventive and Corrective Maintenance of Fire Protection Systems

CH2M HILL relies on the HFD to provide the following:

- Perform and document the inspection, testing, and maintenance of all site fire alarm and fire suppression systems.
- Maintain all records of inspection, testing, and system deactivations/reactivations. Maintain maintenance records for landlord facilities.
- Manage the site fire system impairment tracking and reporting program.
- Deactivate and activate site fire alarm systems to support contractor operations and activities and to ensure configuration control.
- Develop site common inspection, testing, and maintenance procedures and building-specific data sheets for all fire suppression and detection systems.
- Develop and maintain inspection, testing, and maintenance schedules and provide necessary work control. Coordinate scheduling with facility work control centers. Provide fire system cognizant engineer support services for landlord facilities and for other facilities, as requested.
- Maintain a spare parts inventory for all required fire systems.
- Perform annual inspections of site fire extinguishers.

3.7 Pre-Fire Planning

CH2M HILL assists the HFD with the development of tailored pre-fire/quick access plans to TFC facilities.

3.8 Fire and Life Safety Permitting

The HFD provides a Fire Marshal Permit system to control and monitor hazardous operations on the Hanford Site. CH2M HILL uses this permitting process in accordance with DOE-ORP Letter Number 00-SHD-103. (5.1.1) Attachment 1 of that letter gives the duties of the Fire Marshal.

3.9 Fire Prevention, Investigation, and Employee Education

CH2M HILL relies on the HFD to perform fire prevention inspections of facilities and operations, conduct fire investigations, and direct the required inspections of ignitable or reactive waste sites. These activities are conducted in accordance with WAC-173-303 (5.1.2) and DOE-ORP Letter Number 00-SHD-103.

3.10 Respiratory Equipment Servicing and Maintenance

CH2M HILL relies on the HFD to test and maintain all site self-contained breathing apparatus (SCBA), dual flow regulator systems, airline regulators, wheel carts, and powered air purifying respirators. The HFD will also test, maintain, and refill SCBA and escape bottles, and will coordinate/regulate the acquisition of the above respiratory protection breathing equipment.

3.11 TFC Support of Hanford Fire Department Activities

TFC management provides required and necessary funding, facility-specific training, alarm reporting, fire scene technical support, and fire prevention in support of the HFD. In accordance with this standard, TFC management will:

- Ensure that proper scheduling priority is provided for correction of fire system impairments, fire system restrictions, and fire prevention findings.
- Ensure Hanford Fire Marshal review of all new designs, upgrades, and modifications.
- Coordinate all fire system modifications, deletions, and system replacements with the Hanford Fire Marshal and the Fire System Testing and Maintenance division.
- Ensure that all fire system acceptance test procedures are reviewed and approved by the Hanford Fire Marshal and are scheduled with Fire System Testing and Maintenance division at least three working days prior to the performance of the test.
- Recognize that the fire system testing and preventive maintenance fulfill the facility manager's requirements for these activities, and ensure proper scheduling priority.
- Coordinate all work requiring temporary deactivation of fire suppression or detection systems to include compensatory measures taken to ensure the safety of facility employees.
- Provide immediate facility access for emergency response crews.
- Initiate recovery plans for emergency impairments not repaired in 24 hours and system restrictions not repaired within 15 working days for all general purpose facilities, and as specified in current memorandums of understanding for all other facilities.
- Coordinate with the Fire Marshal and provide necessary support and facility access for fire prevention inspections.
- Secure funding and provide fire watches, as required, when fire suppression or alarm systems are out of service.

NOTE: The provisions of this section will be in accordance with current established interface agreements between HFD and the programmatic facilities.

3.12 Required Hanford Fire Department Notifications

TFC management shall apply measures to ensure that the HFD is promptly notified of the following conditions or events:

- All fires, whether extinguished or not
- Smoke smells
- Any special hazards that require additional information for emergency response crews
- Any hazardous material spill or incident requiring response by the HFD hazardous materials response team
- All unplanned fire protection system impairments, outages, activations, or system trouble.

3.13 Advance Notifications to the Hanford Fire Department

TFC management shall apply measures within their organizations to ensure that the HFD is notified at least two working days prior to any of the following planned or anticipated conditions or events:

- All planned fire system impairments
- Water outages
- Power outages
- Road closures
- Conditions that prevent fire suppression and detection systems from activating
- Any condition that could delay or obstruct emergency response vehicles.

TFC management shall also provide HFD management with advanced notification of emergency drills, exercises, etc., in which HFD participation is expected.

3.14 Notification Responsibilities for all Employees

TFC management will employ measures in their organizations that direct and encourage all employees to promptly notify the HFD about any of the following conditions or events, and to assist the HFD by directing medical, fire-related, or hazardous material incident response personnel to the scene:

- All fires, whether extinguished or not
- Smoke smells
- Unusual or irritating odors
- All locked exit doors and blocked or partially blocked aisles
- Any suspected emergency condition that requires HFD response

- Any hazardous material spill or incident requiring response by the HFD hazardous materials response team
- Any employee who becomes unexpectedly or extremely ill or injured, even if the employee insists that they do not desire or need medical assistance.

NOTE: When requesting medical assistance, the operator must be advised of the type of emergency and patient's precise location and his or her physical condition (if known).

4.0 DEFINITIONS

No terms or phrases unique to this standard are used.

5.0 SOURCES

5.1 Requirements

1. DOE-ORP Letter Number 00-SHD-103, "The Authority, Responsibilities, and Duties of the Hanford Fire Marshall (Fire Marshal's Charter), dated November 6, 2000.
2. WAC 173-303, "Dangerous Waste Regulations." (S/RID)