

Ownership matrix

RPP-27195

1.0 PURPOSE AND SCOPE

(5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.7)

This standard provides a synopsis and description of the services performed by the Hanford Fire Department (HFD), as procured by Washington River Protection Solutions LLC (WRPS). 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 Baseline Needs Assessment**

The HFD maintains a Baseline Needs Assessment (BNA) that evaluates the Fire Protection Support for the entire Hanford Site and maintains the staff and equipment to ensure adequate and appropriate response capabilities for all Hanford Site contractors contracting the HFD for support services. The BNA is updated and revised in accordance with the HFD criteria, Hanford site changes, and work scope changes.

The response requirements and capabilities are reflected in the Tank Operations Contractor's (TOC's) fire hazards analyses (FHA). The Documented Safety Analysis (DSA) relies on the Fire Protection Safety Management Program for the description of the capabilities and ensuring they are adequate to meet the TOC's needs.

3.2 Incident Management

In the event of an emergency, WRPS 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 TOC and the HFD.

3.3 Fire Suppression

WRPS 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.

3.4 Emergency medical Response and Treatment

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

3.5 Hazardous Materials Response, Containment, and Control

WRPS 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 TOC is responsible for all clean-up and decontamination after an emergency ends (Washington Administrative Code (WAC) 173-303).

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

WRPS 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.

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

WRPS 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.

3.8 Pre-Incident Planning

WRPS assists the HFD with the development of tailored Pre-Incident Plans to TOC facilities.

A pre-incident plan is an emergency response document developed and used by the HFD. -TOC Fire Protection reviews are, to ensure accuracy of the pre-incident plans, only.

3.9 Fire and Life Safety Permitting

The HFD provides a Fire Marshal Permit system to control and monitor hazardous operations on the Hanford Site. WRPS 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.

3.10 Fire Prevention, Investigation, and Employee Education

(5.1.6)

MSA-HFD has contractual obligation to perform fire prevention inspection, testing, and maintenance 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 (5.1.5) and DOE-RL Letter 12-SED-0080.

The TOC fire protection engineer(s) assists the HFD with inspections, appraisals, investigations, and analyses upon request.

3.11 Respiratory Equipment Servicing and Maintenance

(5.1.2)

WRPS 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 in accordance with 29.1910.134(h). The HFD will also test, maintain, and refill SCBA and escape bottles in accordance with 29.1910.134(i), and will coordinate/regulate the acquisition of the above respiratory protection breathing equipment.

3.12 TOC Support of Hanford Fire Department Activities

The provisions of this section will be in accordance with current established interface agreements between MSA, HFD and the programmatic facilities. See HNF-58158 and SDD J3-20.

TOC 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, TOC management will:

- Ensure that proper scheduling priority is provided for correction of fire system impairments, fire system restrictions, and fire prevention findings.
- Coordinate all fire system modifications, deletions, and system replacements with the HFD, Fire Systems Maintenance.
- Ensure that all fire system acceptance test procedures are reviewed and approved by the HFD 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 21 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.
- Establish fire surveillances or fire panel watches as required, when fire suppression or alarm systems experience impairments or restrictions or are out of service.

3.13 Required Hanford Fire Department Notifications

TOC 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.

3.14 Advance Notifications to the Hanford Fire Department and Planned-Impairment Fire Permits

TOC management shall apply measures within their organizations to ensure that the HFD is notified of the following planned or anticipated conditions or events in advance of their planned start date:

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

The person in charge of, or planning, the task/job (i.e., construction/building manager, field work supervisor, and planner) shall ensure a Planned-Impairment Fire Permit is requested and in place before the work/task begins. A Planned-Impairment Fire Permit is required for the activities listed above. Contact TOC Fire Protection for assistance at least two weeks before the activity commences.

- A fire permit may be obtained by completing the “Hanford Fire Marshal Permit Request form. The link to this form is found in MSC-RD-FP-8589. This procedure is found on the Hanford server in the Mission Support Alliance site.
- TOC Fire Protection is contacted for assistance in obtaining a fire permit or requesting information on whether a fire permit is required.

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

3.15 Notification Responsibilities for all Employees

TOC 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.

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

5.1.1 10 CFR 851, “Worker Safety and Health Programs.”

5.1.2 DOE O 420.1C, “Facility Safety.”

- 5.1.3 DOE-RL Letter 12-SED-0080, “Contract No. DE-AC06-09RL14728, Recommended Revisions to the Charter for the Hanford Fire Marshal and Charter for the Hanford Fire Protection Forum.”
- 5.1.4 DOE-STD-1066-2012, “Fire Protection.”
- 5.1.5 MGT-ENG-IP-05 R3, “Fire Protection Program.”
- 5.1.6 TFC-PLN-13, “Fire Protection Program.”
- 5.1.7 WAC 173-303, “Dangerous Waste Regulations.”

5.2 References

- 5.2.1 29 CFR 1910.134, “Respiratory Protection.”
- 5.2.2 HNF-58158, “Fire Protection Flow-Down of Roles, Responsibilities, Authorities, and Enforcement.”
- 5.2.3 MSC-RD-FP-8589, “Hanford Fire Marshal Permits.”
- 5.2.4 SDD J3-20, Fire and Emergency Response Services (Fire Protection System Inspection, Testing, and Maint.).