

3.4.4.3 Environmental Restoration



YOUR ORGANIZATION
STANDARD OPERATING PROCEDURES/GUIDELINES

TITLE: Environmental Restoration

SECTION/TOPIC: Special Hazmat Operations

NUMBER: 3.4.4.3

ISSUE DATE:

REVISED DATE:

PREPARED BY:

APPROVED BY:

X

Preparer

X

Approver

These SOPs/SOGs are based on FEMA guidelines FA-197

1.0 POLICY REFERENCE

CFR

NFPA

NIMS

2.0 PURPOSE

This standard operating procedure/guideline addresses procedures for supporting and monitoring the activities of private remediation or clean-up contractors (may be the responsibility of another agency).

3.0 SCOPE

This SOP/SOG pertains to all personnel in this organization.

4.0 DEFINITIONS

These definitions are pertinent to this SOP/SOG.

5.0 PROCEDURES/GUIDELINES & INFORMATION

5.1 Procedures for Supporting and Monitoring the Activities of Private Remediation or Clean-up Contractors: (may be the responsibility of another agency)

RECOVERY/RESTORATION ACTIONS

The recovery and restoration phase begins after the last living patients have been transported from the scene. During this phase, it is expected that Federal response elements will arrive with specialized teams and equipment. Federal resources will support hazard monitoring, technical (equipment) and environmental decontamination, and site restoration.

Technical Decon of Response Personnel/Equipment and Shutdown

- I. Hazmat personnel continue to perform and/or supervise the technical personnel decon corridor.
- II. Hazmat personnel will establish and operate an equipment decontamination corridor to support restoration of equipment needed to re-establish essential services.
- III. Hazmat personnel will shut down the emergency decon operation and technical decon corridors as they complete operation.
 - Hazmat personnel will find/document uncontained runoff problems from decon corridors.
 - Equipment and protocol for personnel and equipment decontamination are described in M.P. xx.

Site Survey

- I. To the extent possible, Hazmat personnel will continue to monitor all equipment and areas suspected to be contaminated with available detection and identification devices. Hazmat will coordinate with State Department of Environmental Quality (ADEQ) for additional monitoring assistance outside of the hot/warm zones.
- II. Hazmat personnel will document all runoff areas, apparatus and other locations suspected or identified as contaminated.
- III. When **biological agents** are involved, Hazmat teams will continue to collect samples of suspected contamination for evaluation by ADHS State Laboratory. PD will transport samples from scene to laboratory.
- IV. In **radiological incidents**, Hazmat personnel will coordinate with State Radiation Regulatory Agency to establish that equipment and site have been successfully decontaminated.
- V. For **chemical agents**, areas and equipment that cannot be accommodated in the technical equipment decon corridor will be cleaned with a 5% bleach solution. A minimum solution contact time of 15 minutes will be observed, then area or equipment will be thoroughly rinsed and remonitored for contamination. The process will continue until monitoring indicates no

contamination is present.

VI. Hazmat personnel will provide technical assistance/support as requested to County, State, and/or Federal agencies engaged in restoration operations. Such agencies will be operating under the Federal Response Plan.

Hazmat assist in transfer of deceased to County Medical Examiner

- I. Deceased are to be left in hot zone until all victims have been transported.
- II. County Medical Examiner's Office, supported by Federal D-Mort Teams, will examine bodies for evidence prior to decon. Decon may be supported by PFD Hazmat personnel as requested.
- III. Tracking, transportation and storage of bodies and belongings will be handled by the Medical Examiner's Office to insure preservation of chain of evidence custody.