

EMERGENCY RESPONSE TEAMS FOR FORT ST. VRAIN	Identifier: EPI-105 Revision*: 8 Page: 1 of 3
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Emergency Management	Emergency Plan Implementing Procedures	For Additional Info: http://EDMS	Effective Date: 05/10/10
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Manual: 16E – Emergency Management – Emergency Plan
Implementing Procedures

USE TYPE 3

Change Number: 329747

*The current revision can be verified on EDMS.

1. PURPOSE AND SCOPE

This procedure provides instructions for managing response of an emergency response team to an emergency at the Fort St. Vrain (FSV) Independent Spent Fuel Storage Installation (ISFSI) in a manner that limits their radiological exposure and ensures their safety.

An emergency response team consists of two or more members assigned to respond to an emergency. The team can perform as, but is not limited to, a survey team, field monitoring team, search team, or repair team.

During routine operations at FSV ISFSI, personnel from local community response organizations respond to an emergency and function in accordance with established procedures for their organizations. The incident command system provides interface capability between FSV ISFSI and local emergency response personnel.

During fuel handling operations at FSV ISFSI, onsite personnel may be available to respond to an emergency. ICP emergency plan implementing procedures regarding reentry, and recovery are followed.

2. INITIATING CONDITION

An emergency at FSV ISFSI requires personnel reentry to perform search and rescue, assess damage, repair failed or potentially damaged equipment or systems, etc.

3. RESPONSIBILITIES

NOTE: *Key Staffing of the Idaho National Laboratory (INL) Emergency Operations Center (EOC) and Idaho Cleanup Project (ICP) INTEC Emergency Control Center (ECC) will be activated at the request of the FSV EC.*

- 3.1 FSV Emergency Coordinator (EC): The FSV EC is responsible for ensuring the safety of the emergency response team by developing and approving a reentry plan and initiating and managing reentry activities
- 3.2 FSV ISFSI Manager: The FSV ISFSI manager is responsible for ensuring radiological emergency exposures are reported in accordance with Nuclear Regulatory Commission (NRC) requirements.

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4. INSTRUCTIONS

4.1 Reentry

- 4.1.1 FSV EC: Perform reentry planning and develop a reentry plan in accordance with EPI-77, “Reentry.”
- 4.1.2 FSV EC: Ensure all radiological operations are conducted in accordance with the radiation protection program for FSV ISFSI.

4.2 Emergency Exposure Control

- 4.2.1 FSV EC: Perform radiological emergency exposure control actions for the emergency response team in accordance with EPI-77, “Reentry”
- 4.2.2 FSV EC: Ensure the emergency response team travels outside the predicted plume trajectory (travel path of airborne radioactive material).
- 4.2.3 FSV ISFSI Manager: Report any dose in excess of the limits specified in Title 10, Code of Federal Regulations, Part 20, “Standards for Protection Against Radiation,” to the NRC as follows:
- 4.2.3.1 Notify the NRC immediately if any of the following occurs:
- Exposure to any individual receiving a total effective dose equivalent (TEDE) ≥ 25 rem (0.25 Sv)
 - An eye dose equivalent ≥ 75 rem (0.75 Sv)
 - A shallow dose equivalent to skin or extremities ≥ 250 rem (2.5 Sv)
 - Release of radioactive material inside or outside of a restricted area such that had an individual been present for 24 hr, the individual could have received an intake five times the annual limit on intake.
- 4.2.3.2 Notify the NRC within 24 hr if any of the following occurs:
- Exposure to any individual receiving a TEDE in a 24-hr period > 5 rem (0.05 Sv)
 - An eye dose equivalent > 15 rem (0.15 Sv)

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- A shallow dose equivalent to the skin or extremities >50 rem (0.5 Sv)
- Release of radioactive material inside or outside of a restricted area such that had an individual been present for 24 hr, the individual could have received an intake in excess of one occupational annual limit on intake.

4.2.4 FSV ISFSI Manager: For each emergency response team member, ensure all occupational doses received are included in his/her emergency responder's dose history.

5. RECORDS

None

6. APPENDIXES

None