

DETROIT EDISON - FERMI 2  
AUTOMATED RECORD MANAGEMENT  
DISTRIBUTION CONTROL LIST  
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A045

**DAMAGE CONTROL AND RESCUE TEAM**

**Revision Summary**

- 1) Changed "Nuclear Power Plant Operators" to "Nuclear Operators" in step 4.1.3.
- 2) Made editorial changes throughout procedure. No revision bars used to mark these changes.

**Implementation Plan**

- 1) This revision goes into effect upon issuance.

Attachments - None

**Enclosures**

- A 061096 Representative List of Emergency Equipment
- B 061096 Priority Search Areas
- C 061096 Priority Search Areas - High Radiation Areas

<i>Information and Procedures</i>				
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**CONTROLLED**

## 1.0 PURPOSE

To prescribe activation and functions of the Damage Control and Rescue Team (DCRT).

## 2.0 USE REFERENCES

2.1 EP-225, Radiological Medical Emergencies

## 3.0 ENTRY CONDITIONS

3.1 The RERP Plan has been activated.

3.2 The Operational Support Center (OSC) has been activated.

## 4.0 GENERAL INFORMATION

4.1 The DCRT may be composed of:

4.1.1 General Maintenance Journeymen (GMJs)

4.1.2 Instrument and Control (I&C) Technicians

4.1.3 Nuclear Operators

4.1.4 Nuclear Supervising Operators

4.1.5 Other Fermi 2 personnel trained in damage control and rescue techniques

### CAUTION

**The administrative exposure limits in the Radiation Protection Conduct Manual shall not be exceeded unless specifically authorized by Radiation Protection personnel. Exceeding regulatory exposure limits can only be authorized by the Emergency Director in accordance with EP-201-03.**

4.2 DCRT responsibilities are to:

4.2.1 Provide initial first aid to injured personnel.

- 4.2.2 Perform search and rescue operations.
- 4.2.3 Control radiological or toxic substance release by performing emergency repairs to stop the release.
- 4.2.4 Assess damage to plant equipment and systems.
- 4.2.5 Make emergency repairs to damaged equipment and systems.

## 5.0 IMMEDIATE ACTIONS

**NOTE:** If personnel rescue or injury is involved, Plant First Responders or onsite medical personnel should support the DCRT. If an individual is injured, this team shall include an operator.

### 5.1 Initial Response

<i>Who</i>	<i>Step</i>	<i>Action</i>
Assistant OSC Coordinator/ qualified delegate	5.1.1	Upon activation of the OSC, select at least five individuals from qualified personnel assembled at the OSC or alternate OSC to function as the DCRT.

## 6.0 PROCEDURE

### 6.1 DCRT Briefs and Dispatch

<i>Who</i>	<i>Step</i>	<i>Action</i>
Assistant OSC Coordinator/ qualified delegate	6.1.1	Initiate an OSC Team Briefing/Debriefing Sheet.
	6.1.2	Designate one of the DCRT members as the Team Leader.
	6.1.3	Brief the DCRT on: <ul style="list-style-type: none"><li>1. Status of the emergency</li><li>2. Team assignments and task description</li></ul>

**NOTE:** If missing personnel do not respond to the Hi-Com announcement, a search may be conducted for missing personnel at their last reported access zone and then in Priority Search Areas listed in Enclosures B and C.

3. Names of missing personnel and any additional information available on their whereabouts
4. Personnel hazards, such as high radiation, high airborne activity, fire, smoke, steam, and wreckage

**NOTE:** A representative list of the emergency equipment available to the DCRT is in Enclosure A.

5. Required protective and emergency equipment

**NOTE:** The DCRT shall be accompanied by a Radiation Protection Technician/Qualified Self Monitor unless radiological conditions indicate that such support is not needed.

- 6.1.4 Consult with the RET Leader/Alternate to have the DCRT briefed on plant radiological conditions, as necessary, especially in areas the DCRT must enter.

OSC  
Coordinator

- 6.1.5 Upon completion of task briefing, dispatch DCRT as directed by the Emergency Director.

**NOTE:** Maintaining/updating OSC status boards can be performed by available personnel as directed by the OSC Coordinator/Assistant OSC Coordinator. Updates should be completed in a timely manner.

Assistant OSC  
Coordinator/  
Qualified Delegate

- 6.1.6 Update status boards to reflect available personnel and field team assignments.

## 6.2 DCRT Response

<i>Who</i>	<i>Step</i>	<i>Action</i>
------------	-------------	---------------

DCRT Leader/  
DCRT Members

- |       |   |
|-------|---|
| 6.2.1 | Supervise DCRT activities.  |
| 6.2.2 | Consult with Radiation Protection personnel when handling any accident in the Radiologically Restricted Area (RRA). |

- 6.2.3 Take steps to minimize personnel exposure.
- 6.2.4 Immediately report injuries sustained by victims to the OSC Coordinator/Assistant OSC Coordinator.
- 6.2.5 Perform rescue operations and initial care of injured personnel.

**CAUTION**

**Unless there is an immediate danger to life or limb, a person with a serious illness or injury should not be moved until medically evaluated. Prompt treatment of serious or potentially serious injuries has priority over decontamination efforts, treatment of radiation exposure, or movement of the victim.**

- 1. If a rescued victim is injured and can be moved:
  - a. Transport the victim to the area designated by the OSC Coordinator/Assistant OSC Coordinator.

**NOTE:** An injured and contaminated or potentially contaminated victim is handled and transported in accordance with EP-225, "Radiological Medical Emergencies."

- b. Continue to administer necessary first aid until relieved by medical personnel.
- 6.2.6 Assess damage to affected systems and equipment and report the following to the OSC Coordinator/Assistant OSC Coordinator:
  - 1. Status of damage assessment
  - 2. Affected systems and equipment
  - 3. Impact on plant operations and safety
  - 4. Recommended corrective actions
  - 5. Extent of personnel hazards
- 6.2.7 Perform any immediate repairs or isolations to affected systems and equipment as directed by the OSC Coordinator.

- 6.2.8 Contact the OSC Coordinator/Assistant OSC Coordinator and request that a member of the Security Force report to the scene for traffic/access control and communication support, if needed.

## 7.0 FOLLOW-UP ACTIONS

### 7.1 DCRT Follow-Up Actions and Debriefs

<i>Who</i>	<i>Step</i>	<i>Action</i>
<div style="border: 1px solid black; padding: 2px; display: inline-block;">DCRT Leader/ DCRT Members</div>	7.1.1	Keep the OSC Coordinator/Assistant OSC Coordinator informed of the status of the emergency, especially with regard to the following: <ol style="list-style-type: none"><li>1. Status of injured personnel</li><li>2. Status of search and rescue efforts</li><li>3. Status of damage assessment</li></ol>
	7.1.2	Recommend corrective actions such as: <ol style="list-style-type: none"><li>1. Isolating systems</li><li>2. De-energizing equipment</li><li>3. Removing equipment from service</li></ol>
	7.1.3	Provide necessary data to OSC Coordinator/Assistant OSC Coordinator to perform team debrief documenting results/observations on OSC Team Briefing/Debriefing Sheets.
	7.1.4	At the conclusion of DCRT efforts, direct an inventory of team equipment to include: <ol style="list-style-type: none"><li>1. Recovering or replacing any missing equipment</li><li>2. Repairing/replacing any damaged equipment and informing the OSC Coordinator/Assistant OSC Coordinator.</li><li>3. Proper handling and storing any contaminated equipment until decontaminated and released by Radiation Protection personnel.</li></ol>

4. All equipment checked for operability, serviced, or repaired as necessary (batteries replaced, filters replaced, etc.), and restored in the proper storage locations.

## **8.0 RECORDS**

### **8.1 DCRT Documentation**

- 8.1.1 All completed OSC Team Briefing/Debriefing Sheets shall be retained or dispositioned in accordance with established requirements.

**END OF TEXT**



### **REPRESENTATIVE LIST OF EMERGENCY EQUIPMENT**

**NOTE:** A complete list of all emergency equipment is found in 28.508.04.

1. Fire fighting equipment
2. Fire protection clothing
3. Portable fire extinguishers
4. SCBAs (with spare air bottles)
5. RERP GMJ tool boxes (red gang boxes containing a large selection of tools)
6. RERP electrician tool bags
7. Miscellaneous supplies/equipment

### **REPRESENTATIVE LIST OF FIRST AID EQUIPMENT/SUPPLIES** (located at RB-1, Col. G16, RB-2, Col. A10, and TB-2, Col. S12)

1. First aid kits
2. Personnel protective kits
3. Splints/fracture kits
4. Stretchers
5. Fire blankets
6. Herculite/miscellaneous supplies

## PRIORITY SEARCH AREAS

CM

The following areas have been identified as locations where emergency notifications or announcements may be difficult to hear. If personnel are missing, these locations should be checked. These areas are listed according to location (Reactor Building, Auxiliary Building, etc.), and floor elevation (first floor, second floor, etc.)

**NOTE:** Check with the on shift RP Supervisor to determine whether personnel may be in High Radiation Areas listed in Enclosure C.

### AUXILIARY BUILDING

Basement - Non Interruptible Air System (NIAS) Compressor Room (Elevation 551')

5th Floor - Div I Control Center Heating, Ventilation, and Air Conditioning (HVAC) Equipment Room

### TURBINE BUILDING

Basement - Corridor along East Wall (Sump and Pump Area)  
Pipe Tunnel

### RADWASTE BUILDING

1st Floor - Chemistry Lab and Office Area

### RHR COMPLEX

1st Floor - Emergency Diesel Generator 11, 12, 13, and 14 Fuel Oil Storage Tank Rooms

## PRIORITY SEARCH AREAS - HIGH RADIATION AREAS

CM

The following areas are normally posted High Radiation Areas (HRAs) where emergency communications may be difficult to hear. On shift RP supervisors have records of personnel entry into these areas, and should be contacted. RP and Operations possess a High Radiation master key if emergency entries into the locked rooms or areas listed below becomes necessary.

**NOTE:** Several rooms/areas listed below may be deposted from HRAs due to changes in Reactor power (shutdown) or source removal. Contact RP for current status on radiological postings/barriers.

### REACTOR BUILDING

1st Floor - TIP Room  
Steam Tunnel

2nd Floor - RWCU Phase Separator Room  
RWCU Heat Exchanger/Penetration Room  
South RWCU Pump Room  
North RWCU Pump Room

2nd Floor Mezz- RWCU Vlv. Pit

3rd Floor - FPCCU Hx. Room

4th Floor - RWCU Valve Gallery

### AUXILIARY BUILDING

1st Floor - North/South Blowout Panel Area

### TURBINE BUILDING

Basement - North Condensate Backwash Receiving Tank Room  
South Condensate Backwash Receiving Tank Room  
Under Condenser Area  
Dry Rag Room Main Door  
Dry Rag Room Side Door  
Offgas Delay Pipe Area

## PRIORITY SEARCH AREAS - HIGH RADIATION AREAS

### TURBINE BUILDING (Cont.)

- 1st Floor -           Gland Seal Exhauster Condenser Room  
                          #1, #2, #3, #4 SJAЕ Rooms  
                          North and South Reactor Feed Pump Rooms  
                          Steam Tunnel/Pipe Chase
- 2nd Floor -           West Offgas Recombiner Room  
                          East Offgas Recombiner Room  
                          3-4-5 North Feedwater Heater Room  
                          3-4-5 South Feedwater Heater Room  
                          South Steam Tunnel Door  
                          North Steam Tunnel Door
- 3rd Floor -           NW Door to Turbine/MSR Area  
                          SW Door to Turbine/MSR Area  
                          NE Door to Turbine/MSR Area  
                          SE Door to Turbine/MSR Area  
                          6N Feedwater Heater Room  
                          6S Feedwater Heater Room  
                          Charcoal Adsorber Room  
                          East/West Offgas Chiller Rooms

### RADWASTE BUILDING

- Basement -           Centrifuge Feed Tank Room  
                          Centrifuge Feed Tank Recirc Pump Room  
                          Waste Clarifier/Spent Resin Tank Room  
                          A & B Condensate Phase Separator Room  
                          Condensate Discharge/Sludge Mix Pump Room  
                          East Waste Surge/Sample Tank Room  
                          West Waste Surge/Sample Tank Room  
                          Condensate Phase Separator Decant Pump Room
- 1st Floor -           RP Instrument Shop Irradiator Room  
                          East Door FPCCU Valve Aisle  
                          West Door FPCCU Valve Aisle

**PRIORITY SEARCH AREAS - HIGH RADIATION AREAS**

**ONSITE STORAGE FACILITY**

North Bay #1  
South Bay #5, 6  
South Bay #3  
South Bay #4  
OSSF Mezz. Waste Processing Pit

**END**