

# **Pantex** INFO

## **Emergency Management**

**P**antex Plant, Emergency Management Program, provides the site with emergency planning and preparedness activities, as well as continuity of operations, necessary for responding to, mitigating, and recovering from emergencies or accidents affecting the site. These activities are designed to minimize the consequences from Operational Emergencies, while protecting the health and safety of all workers and the public, and preventing damage to the environment from hazards associated with Pantex Plant operations. The Emergency Management Department accomplishes these responsibilities through the following sections:

The Emergency Services Dispatch Center (ESDC) provides the plant with a 24-hour/7-day-a-week, full-service emergency communications center that dispatches the Fire Department for fire alarms and incidental hazardous material incidents/spills. The ESDC also dispatches on-site medical response and provides pre-arrival instructions while emergency responders are en route.

The Operations and Safety Systems Monitoring (O&SSM) Section provides the plant with 24-hour/7-day-a-week monitoring services of overall operations at the plant to ensure initiation of response to any degradation of the plant's safety envelope. The OC also serves as the communications focal point for the plant by providing notification of weather warnings, notifications for events/conditions (emergency and non-emergency), and recall of the Emergency Response Organization (ERO) to respond to emergency conditions.

The Nuclear Incident Response Program (NIRP) Section supports the DOE/NNSA with specialized response capabilities for both worldwide and nationwide response and assistance for radiological emergencies through the

Accident Response Group (ARG), Radiological Assistance Program (RAP), Joint Technical Operations Team (JTOT), and Disposition Team. NIRP personnel are deployed and provide specific services in the event of a radiological emergency event/incident, including an Improvised Nuclear Device (IND), Radiological Dispersal Device (RDD), and/or Weapon of Mass Destruction (WMD) event, domestic terrorism event, peacetime nuclear weapon accident, a space mission accident involving Radioisotopic Thermoelectric Generators (RTGs), or a disposition operation.

The Continuity and Emergency Programs (C&EP) section develops the technical planning basis, to include the hazards survey, hazards assessment, and emergency action levels for emergency planning. These documents identify the potential hazards for the site, with consequences so that emergency response resources and efforts can be determined and pre-planned. The program administration element, which is performed for all sections of the Emergency Management Department, develops and maintains procedures that implement program guidelines and requirements. It is through the readiness assurance function of the C&EP Section that all facets and functions of the organization are assessed. Corrective actions and lessons learned are identified through the assessments. Training is developed and maintained for emergency management, as well as for the Emergency Response Organization (ERO). After plant personnel or ERO members are trained on their respective actions, the EMD conducts emergency preparedness drills, to include drills conducted by the Fire Department and Technical Training. Each year an annual exercise is conducted to verify readiness of the plant's emergency response capabilities. The elements handled by the C&EP Section include: off-site response interface, emergency public information, emergency

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Managed and Operated by Babcock & Wilcox Technical Services Pantex, LLC (B&W Pantex)  
P.O. Box 30020 Amarillo, TX 79120-0020 (806) 477-3800 [www.pantex.com](http://www.pantex.com)

facilities and equipment, categorization/classification, notifications and communications, consequence assessment, protective actions/reentry, emergency medical support, and termination/recovery.

### **Emergency Response Organization**

In the event of an Operational Emergency (OE), several ERO Groups/Teams, comprised of personnel from almost every area of the plant, respond to emergency duty stations, including the Emergency Operations Center. These personnel perform important tasks associated with mitigating an OE, to include assessing the situation, initiating protective actions, managing the emergency response, assessing the consequences of radiological or chemical releases, assuring the continuation of security measures and communicating with the media and public. Emergency response personnel respond to OEs, as a member of the following teams:

The Executive Team is comprised of the Emergency Manager, with support from the Security Director, ES&H Director, Logistics Director, and Operations Director(s). The overall objective of the Executive Team is to mitigate the emergency event (through the coordination and/or support of response assets), provide strategic direction to the emergency response, support tactical response operations in the field through the Incident Command Team (ICT), provide protective action information/recommendations to plant personnel and the public, and communicate with off-site agencies and jurisdictions.

The ICT includes representatives from the Pantex Fire Department, Security, Industrial Hygiene, Radiation Safety, Pantex Site Office, and the Emergency Management Department. The purpose of the ICT is to assume tactical command, control, and coordination of field operations at the scene.

The Consequence Assessment Team (CAT) is comprised of Health Physicists, Industrial Hygienists, Explosive Safety, Nuclear Explosive Safety, and Hazardous Materials experts. The CAT's mission is to provide timely, useful information to the Executive Team, the ICT, and appropriate off-site jurisdictions/agencies for

use in making informed decisions to protect responders, workers, and the public during Operational Emergencies at the Pantex Plant.

The Emergency Communications Team is responsible for collecting relevant information from field or EOC sources, reviewing information to identify classification issues, documenting pertinent information in WebEOC, submitting required reports, coordinating distribution of information, and maintaining records associated with response to the event.

The Emergency Public Information (EPI) Team handles media-intense events to ensure the timely exchange of information with the DOE/NNSA, workers, the media and the public. The EPI Team uses an Emergency Press Center (EPC), located at the plant, and a Joint Information Center (JIC), located off-site, to provide this information. The EPC is the on-site location for recording and monitoring news coverage and forwarding accurate event information (i.e., press releases) as well as dispelling rumors. The JIC would normally be activated as part of the plant's response to an OE with a chemical or radiological impact beyond the site's boundaries. Local, state and federal emergency responders staff the JIC to provide the media and the public with a single source of information during an event.

The Recovery Team is normally comprised of the Recovery Manager at the beginning of the event. As the nature of the event, site and operational impacts, off-site impacts, etc., become known, the Recovery Manager will identify those personnel/specialists that are required to plan and implement the recovery efforts. The primary objective of the Recovery Team is to return the impacted facility/area to normal operations.

The Emergency Radiation Treatment Facility (ERTF) Team provides support for off-site medical treatment of contaminated, injured Pantex personnel who have been contaminated and injured by a Pantex-originated OE involving hazardous materials. The Plant Shift Superintendents (PSS) will request activation of the ERTF if the event involves, or potentially involves, radioactively contaminated and injured personnel.

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