

Best Practice Abstract

Facility: Bechtel Nevada (BN) - DOE/NV facilities

Best Practice Title: Hazardous Materials Tracking System (HAZTRAK)

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Why the Best Practice was used: HAZTRAK was developed to meet the emergency response information availability requirements of Title 49 CFR 172.604 for multiple non-contiguous sites/facilities, provide real-time information regarding hazardous/radiological waste and material movements within the Nevada Test Site (NTS), and provide historical hazardous/radiological waste and material movement information.

What are the benefits of the Best Practice: HAZTRAK provides a 24-hour electronic source of real-time and historical hazardous/radiological waste and material shipment information to NTS emergency contact personnel, other emergency response entities, shipment originators, and recipients.

What problems/issues were associated with the Best Practice: The need to improve HAZTRAK information reliability was an issue during early implementation.

Ensuring data integrity and appropriate internal and vendor access were the initial implementation problems. They have been addressed by use of a firewall, establishment of a "remote tunnel", requiring system passwords, limited write capability, and training. Also, the NV security contractor provides an NTS portal check to verify hazardous/radiological waste and material information is entered in HAZTRAK prior to entering the NTS.

How the success of the Best Practice was measured: The incidents of vendors/carriers arriving without data entered in HAZTRAK has been significantly reduced.

Description of process experience using the Best Practice: HAZTRAK evolved from a VAX to Oracle-based system to its current WEB-based application. The system provides the primary source of information for DOE/NV sites and emergency response groups regarding hazardous/radioactive waste and material shipments to and from BN managed facilities and movements on the NTS.

HAZTRAK enables BN to meet the requirements of Title 49 CFR 172.604 for 24-hour availability of hazardous substance information to emergency responders in the event of an incident involving incoming and out bound hazardous/radiological waste and materials shipments. It also provides DOE/NV contractors and NTS users, in a single system, current status and historical information on hazardous/radiological waste and material shipments. Recorded information includes shipper and receiver contacts, material names and quantities, emergency response information, and technical contacts, receivers, carriers, and drivers.

The HAZTRAK system was identified as a noteworthy practice during the DOE/NV Integrated Safety Management System Phase I Verification. Application of HAZTRAK has the potential to be expanded to other DOE operations and contractors.