

<b>Topic:</b>	Union Pacific Railroad, Emergency Response
<b>Speaker:</b>	Ernie Sirotek
<b>Date:</b>	Thursday, 3-Jan-02, at 1930
<b>Event:</b>	Cupertino ARES general meeting, Orientation Training, Cupertino City Hall

The following is a summary of the presentation made to CARES by Ernie Sirotek on how the Union Pacific Railroad prepares for and responds to emergencies.

**General**

- Ernie is the Chemical Transportation Safety (CTS) Regional Manager based out of Oakland, CA, 27 years with Union Pacific Railroad (UPRR).
- Hazardous Material Traffic moved in 2000: 518,682 shipments in US/Canada. UPRR handles 5.8% of the traffic.
- UPRR handles less than 6000 loads a year of hazardous material (material that is regulated by the federal government).
- In Cupertino, UPRR operates the Visona line (spur). Railroad traffic is limited to deliveries of coal, lime, and bauxite to Kaiser Permanente's cement operations. This material is considered non-hazardous and is unregulated. The current plan is for an additional 20 years of use for this line.
- UPRR Risk Management Communication Center (RMCC) focuses on prevention, Emergency Services, and Critical Incident Management. Located in St Louis, RMCC is staffed 24x7, 12 people/shift. They handle about 3500 calls/day, document the incident, and dispatch emergency services.
- Trains carry radios, and can make intercompany phone and 9-1-1 calls. All trains can be contacted by radio. Radio coverage is divided by territories and different frequencies.
- UPRR responders: Railroad police, Chemical Transportation Safety (CTS) managers, Environmental Managers (EMG), claims agents, operating track/signal/mechanical personnel, damage prevention.
- FOR EMERGENCES, call 1-888-877-7267 for emergencies, derailments, fires, injuries, track obstructions. IF you call, give your location and description of the problem. All calls to RMCC are recorded.

**VISION**

Union Pacific will be recognized as being environmentally responsible and the transportation leader in the save movement of hazardous material.

**MISSION of CTS/EMG**

- Prevention. Prevent the causes of environmental damage that results from railroad operation or that of their lessees.
- Preparedness. Develop partnership with internal and external customers to prepare for effective emergency response
- Response. Respond to emergencies involving hazardous and other environmentally sensitive materials to minimize health, environmental, operational, and financial impact to Union Pacific Railroad
- Recovery. Clean up contamination from historical and current operations of the railroad and its lessees.

**RMCC's activities**

When a critical incident does occur, RMCC responds with a notification to emergency services within two minutes.

- Prevention: Every day, RMCC has the opportunity to prevent train collisions, detrainments, loss of life, limb, and property. All processes, procedures, and protocols are designed to accomplish the prevention of critical incidents.
- Critical Incident Management: RMCC notifies and supports all necessary responders to achieve the earliest and best resolution. RMCC also documents the incident, and assesses their response for continuous improvement

**1. Prevention Activities:**

- Tank car inspections
- Intermodal inspection
- Waybill audits
- Plant visits
- Lease Track Inspections
- Train Inspections
- Local, State, and Federal government

**2. Preparedness Activities**

- Emergency response planning
- Environmentally sensitive area planning
- Community right to know plans
- Consolidated environmental plans
- Hazmat training. 300 hours of training is required and received by all Hazmat responders
- Emergency Planning Drills. Held at each large facility, such as Oakland and Roseville. These drills have included participation from the Coast Guard, Fire Departments, Sheriff's offices, and amateur radio operators to name a few.

**3. Response Activities**

- Emergency Response equipment
- Spill trailers and equipment. These trailers are located throughout the system and are dispatched to any response site as necessary.
- Transfer equipment
- Contractor assistance
  
- Reasons for a response include (number of responses in 2000):
  - Diesel Spills (90)
  - Dumping Activities (43): UPRR approaches these cautiously. Sometimes, other than UPRR dumps on RR property.
  - DOT 5800.1 Unintended releases (123)
  - Other responses (467)
  
- In the event of an earthquake of 5 to 7 on the Richter scale, all rail traffic within a 50 mile radius of the epicenter is directed to stop.
- During the Northridge earthquake, 0.25 miles of track was damaged. UPRR had to respond to a tanker car derailment. 8 loads of sulfuric acid were successfully transferred with only a 500 gallon loss. After shocks were just as big as the initial jolt. The goal was to get the line re-opened for commuter service as soon as possible.
- Immediately after the 11-Sep-01 terrorist attack, UPRR developed a response plan that included removing all sensitive information from their web-site.

**4. Recovery Activities**

- Site Remediation Group
- Long and Short term recovery
- Field consultants are deployed
- Goal is to restore operations as soon as possible.

Revision

-----  
12-Jan-02 Original