

Radiological Work Briefings

Section 9 Elevator Deactivation – H-Canyon

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Deactivation of Section 9 Elevator

- 1992 Section 9 Elevator was taken out of service (Radiation Exposure)
- 1996 Section 9 Elevator was removed from service due to the spread of contamination
- 2001 Section 9 elevator was removed from service due to the spread of contamination
- 2004 Section 9 Elevator was deactivated

Deactivation of Section 9 Elevator

- Define Scope of Work
 - Deactivate Section 9 Elevator
 - Develop Lay-Up Plan
 - Purpose
 - Method
 - Identify Resources



Analyze the Hazard

- Complex Radiological Conditions
 - High Radiation Area
 - High Contamination Area
 - Airborne Radioactive Area
- Fall Protection
- Rigging
- Personnel Exposure for the job
- Space Consideration
- Hazardous Energy



Analyze the Hazard (*Continue*)

- Airborne Activity on other levels of the facility
- Historical Data
 - Passport History
 - Radiological Work Permits
 - Radiological Surveys
- Personnel Interviews



Develop and Implement Controls

- Develop Work Package
- Automated Hazardous Analysis (*AHA*)
- Radiological Work Permits
- Lock Outs established
- Localized Ventilation
 - Temporarily Sealed
 - Reduced Airflow (Fan configuration)



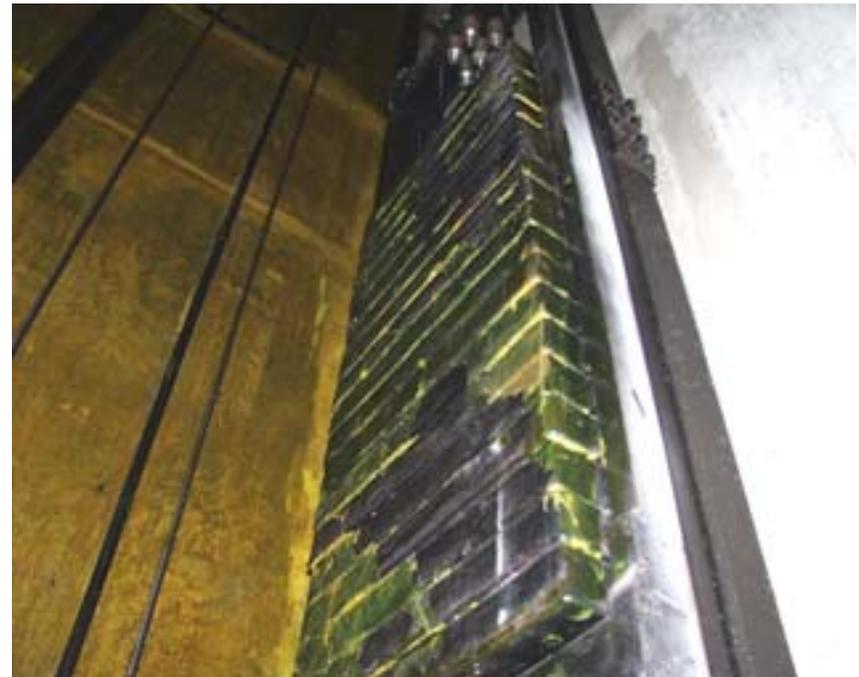
Develop and Implement Controls (*Continue*)

- Facility Radiological Assessment Team Review
- Hut Installation
- Breathing Air
- Protective Personnel Equipment (*PPE*)
- Restricted Access to Affected Area



Perform Work Within Controls

- No Detectable Airborne Contamination
- Exposure Minimized
- Successfully Positioned Elevator Cab
- Successfully Sealed all Doors



Perform Work Within Controls

- **Collapsed Exhaust Duct**
- **No Entry made into Pit (*HRA*)**
- **Installed Camera for Inspections**
- **Personal Protective Equipment Reduced**



Feedback and Improvement

- **Must Solicit Input and be Opened to New Processes and Solutions**
- **Remote Camera Used for Inspection**
- **Shielding Applied**
- **Fixative Coating Applied**
- **Solicited Outside Information (*Vendor*)**

