



Adams Plating Chemical Fire

December 27, 2010

Jeff Lippert, On-Scene Coordinator



- Fire Broke Out on December 27, 2010
- EPA and DEQ Officials Responded
- Hexavalent Chromium and Cyanide Contaminants

Fire Suppression Water



U.S. Environmental Protection Agency

Fire Suppression Water



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Fire Suppression Water



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Local Response



- Lansing Board of Water and Light shut down a municipal well that was within 1,200 feet of the incident
- Lansing Twp Water Dept plugged sanitary sewer
- Ingham County Emergency Management mobilized Incident Command Trailer
- Lansing Township closed Rosemary St.

EPA Response



- Removed contaminated water from storm sewer
- Removed contaminated snow
- Removed contaminated water from street
- Decontaminated basements

EPA Response



- Sealed impacted sump
- Sealed basement cracks
- Routed sump water into frac tank
- Screened homes for cyanide vapor
- Conducted confirmation sampling

Time-Critical Removal



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Containerization



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Segregation of Debris



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Field Sampling



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Field Sampling



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Field Sampling



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Container Sampling



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Contaminated Debris



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Contaminated Debris



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Cyanide Waste Stream



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Acid Waste Stream



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Sub-Slab Contamination



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Sub-Slab Contamination



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Work Completed to Date



- Removal of 60,000 gallons of contaminated water
- Recycling of over 160 cubic yards of scrap metal
- Removal of over 220 cy of contaminated debris
- Removal of thousands of gallons of hazardous waste from drums, vats, and totes

Work Completed To Date



- Field sampling of soil and shallow groundwater
- Building demolition
- Excavation of contaminated soil below the building
- Excavation of residential yard impacted by fire suppression water
- Removal of 450 tons of hazardous soil



National Response Center
1-800-424-8802

And / Or

EPA - Region 5 Spill Phone
312-353-2318