West Shore Pipe Line Release

Regional Response Team Meeting

Wednesday, October 10, 2012
West Shore Pipe Line Company

- West Shore Pipe Line Company is a common carrier petroleum pipeline system that transports petroleum products in Indiana, Illinois, and Wisconsin.
- The system originates in the Chicago area and extends north to Green Bay, Wisconsin, and west and then north to Madison, Wisconsin.
- The 650-mile pipeline system transports refined petroleum products to markets in northern Illinois and Wisconsin from the greater Chicago area.
- The operation and ownership of the original West Shore Pipe Line was combined with the former Badger pipeline system in 1998.
West Shore Pipe Line System
Badger Pipe Line System

• West Shore’s Badger Pipe Line system is a refined products pipeline system that transports fuels from the East Chicago, Indiana area to terminal delivery points in the greater Chicago regions and parts of Wisconsin.

• The Badger Pipe Line system transports gasoline, diesel and aviation turbine fuels (aviation kerosene) throughout the region.
Badger 230 Pipe Line

• 12 inch diameter pipeline
• Majority is x46 gauge steel - .250 wall thickness
• Constructed in 1958
• 4,500 bbls per hour
Overview of Badger 230 Pipe Line Release

- Pipeline rupture opening – 26 inch crack
- Cause under investigation
- Located between East Chicago and Canal Junction stations
West Shore Pipe Line System: Affected Location

Des Plaines - Terminal Hub

Magellan Pipeline

Bensenville 16"

Badger 16" (C-Line)

Badger 12" (D-Line)

Lemont 10"

Joliet

Canal Station

O'Hare Airport

Franklin Park

Harlem 10"

Midway

East Chicago Station

East Chicago Hub

Whiting 12"

East Chicago Hub

Chicago
Overview of Release

- August 27 at approx. 2:40 AM CT: Jet fuel released from West Shore Pipe Line’s (WSPL) Badger system
- Pipeline shut down immediately
- Crews on site within one hour, 24-hour shifts established for repair and remediation
- WSPL working with federal, state and local officials – Unified Command
- Daily Incident Action Plan review and approval
Overview of Release

• An estimated 704 barrels (29,500 gallons) of jet fuel was released
• Approximately 685 barrels recovered
• Less than 250 gallons released into the Cal-Sag Channel – reopened August 28
• Majority of remaining product contained in soil of nearby ditch
• Route 83 closed from August 27 – August 31
Location of Release
Overview of Response

- August 31: Repairs completed
- September 17: Restart following extensive testing
- Ongoing monitoring expected to continue for 12-24 months
ICS – Unified Command Response

• WSPL has worked closely with first responders and government agencies to respond to and mitigate the impact of the release:
  – US Coast Guard
  – US EPA
  – IL EPA
  – US DOT – PHMSA
  – US Department of Labor
  – US Fish and Wildlife
  – IDOT
  – Village of Palos Park
  – Palos Park Police / Other Police Departments
  – Palos Park Fire Protection District
  – Cook County Dept. of Public Health
  – Cook County Dept. of Homeland Security & Emergency Management
  – Cook County Forest Conservation District
  – Chicago Water Reclamation District
Response & Remediation Activities
Response & Remediation Activities: Well Sampling Locations
Response & Remediation Activities:
Air Quality Monitoring

• Four real-time fixed monitoring stations
• Conducted 24-hour air monitoring in work area and surrounding community
• Air monitoring still being conducted at the excavation work area
• Discontinued surrounding community monitoring and use of the air monitoring stations when repairs to the pipeline were completed on August 31
Response & Remediation Activities: Soil Sampling

• Analytical data from the 59 total soil samples indicate that we have obtained the applicable state standards

• Soil samples collected from a North-South drainage ditch at the release site (included in the 59 mentioned above) indicated that WSPL could begin backfilling soil
Response & Remediation Activities: Soil Disposal / Excavation

• Excavation of known soil impacts continues
• As of October 3, a total of 7,372.68 tons of soil has been hauled offsite for disposal at the landfill
• Post-excavation analytical data was collected to verify field screening readings
• Continue obtaining backfill material
• Backfilling of the excavation already completed in several areas and we will continue to work to identify additional areas that can be backfilled based on lab results
Response and Remediation Activities: Cal-Sag Channel
Response and Remediation Activities: Cal-Sag Channel

• Booms immediately deployed across the channel
• Effectively contained the relatively small amount of product that was released
• Jet fuel is very buoyant and was contained and collected efficiently
• U.S. Coast Guard re-opened the channel on August 28
Activities for the Community

• Communication with the public has been of paramount importance throughout this process and will continue to be

• WSPL is committed to communicating with local residents and businesses

• Participated in Public Meeting with Village of Palos Park Council on September 10, 2012

  – www.badgerpipelineresponse.com
  – Claims Hotline: 866-837-5016
Future Activities

• Continued, ongoing testing of environment
• Working closely with regulators and local officials to ensure remediation completed – including recovery of released product and replacement of affected soils
• Working with regulators to prepare a long-term integrity and safety operation plan for the pipeline
Current Site
Current Site
Current Site
Current Site
Current Site
Q&A

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Typical sequence in which products are batched while in transit

- Reformulated Regular Gasoline
- Low Sulfur Diesel Fuel
- Kerosene / Jet Fuel
- High Sulfur Diesel Fuel
- Conventional Regular Gasoline
- All Premium Grades
- Reformulated Regular Gasoline

Compatible Interfaces
Transmix – Interface Material that is Reprocessed