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# Waste Isolation Pilot Plant Transportation Exercise (WIPPTREX)

**Texas WIPPTREX 2018**

**October 9 – 11, 2018 Fort Worth**

# Texas WIPPTREX

City of Fort Worth, Texas
Bob Bolen Public Safety Complex
505 West Felix Street
Fort Worth, Texas

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October 9, 2018 – Canceled Due To Weather
October 10, 2018 – Full-Scale WIPPTREX
October 11, 2018 – Full-Scale with Hospitals

# Texas Route

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## WIPP Route Through Texas

# WIPP Transportation Exercises (WIPPTREX)

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- ✓To date, DSHS, TDEM and the DOE have, in cooperation with other local and federal partners, have conducted nine Full-Scale WIPPTREX's in the State.
- ✓These exercises were designed to test the ability of State, Federal and Local entities to effectively respond to a simulated accident involving the transportation of TRU waste.

# Texas WIPPTREX History

| | | |
|---|---|---|
| 2000 | Odessa, Texas | (West) |
| 2001 | Abilene, Texas | (West) |
| 2002 | Longview, Texas | (East) |
| 2005 | Fort Worth, Texas | (Central) |
| 2007 | Pecos, Texas | (West) |
| 2010 | Lindale, Texas | (East) |
| 2014 | Andrews, Texas | (West) |
| 2016 | Big Spring, Texas | (West) |
| 2018 | Fort Worth, Texas/2 | (Central) |

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# Planning Considerations

- ✓ What Are We Trying to Accomplish- Objectives
- ✓ Tabletop and Full-Scale
- ✓ Exercise Scenario
- ✓ Resources – Staffing – Participants
- ✓ Guests/Observers
- ✓ Training
- ✓ Dates/Locations
- ✓ Public Information
- ✓ Planning Meetings/Incident Command

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# Planning and Event Summary

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- ✓Initial Phone Call Development/EMC to Host
- ✓Travel to Fort Worth/Initial Briefing with EMC
- ✓Internal Planning Meetings with Agency Staff and Other State Agencies
- ✓Meetings with Local Officials and Participants/Review Suggested Objectives
- ✓Meet with Exercise Staff and Develop Draft Scenario
- ✓Continued Exercise Planning Meetings with Local Officials

# Planning and Event Summary

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- ✓ Finalized Objectives and Scenario per DOE/WIPP Approval
- ✓ Continued Bi-monthly meetings with EMC by Phone and On-site Visits
- ✓ Develop Public Information Documentation
- ✓ Final Pre-Exercise Planning Meeting with local Officials
- ✓ Radiological Training Offered
- ✓ Tabletop Exercise and Review
- ✓ Pre-exercise Briefing and Exercise
- ✓ Hotwash

# Scenario

- ✓ WIPP Truck with two TRU-PACT transport packages on a trailer, one on the pavement.
- ✓ Seven crashed vehicles in place, with live role playing victims and two mannequins, including a child victim.
- ✓ Simulated spill of Radioactive Low Specific Activity Material (LSA) from secondary vehicle included in the exercise scenario.

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# Overview

- ✓ The 2018 Fort Worth Waste Isolation Pilot Plant Full-Scale Exercise was planned for three consecutive days in order to allow each 24-hour shift of emergency responders the opportunity to respond to a simulated incident involving Radioactive Transuranic Waste.
- ✓ The exercise required participation from Local, State and Federal response organizations.

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# Observations

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- ✓A perimeter should be established a safe distance from the incident scene as soon as possible.
- ✓Maintain better control of entry and exit of hot and cold zone.
- ✓Suggest periodic refresher training for First Responders on the selection and use of radiation detection instruments.
- ✓Suggest reviewing procedures for the Fire Department to dam and remove the waste water.

# Observations

- ✓ Suggest the review and practice patient frisking techniques for first responders and hospital staff.
- ✓ Review of Decon procedures and techniques for first responders and hospital staff.
- ✓ Suggest training regarding radiological emergencies for hospital staff.

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# Conclusions

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- ✓The 2018 Fort Worth WIPPTREX was an overall success.
- ✓The responders responded in a timely manner.
- ✓Responders arrived at a safe distance from the accident scene and performed a brief assessment of the scene and quickly responded to the needs of the accident injured victims.
- ✓Excellent communication skills were demonstrated between the Incident Command and the different agencies during both exercises.

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# Conclusions - Continued

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- ✓In general, the responders knew how to operate the instruments, but sometimes did not choose the correct type of initial entry operations.
- ✓State and Federal response teams coordinated very well with the Incident Command and the HazMat Teams.
- ✓HazMat team demonstrated good support in containing the suspected spill to minimize the spread of contamination.

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# Thank you!


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