

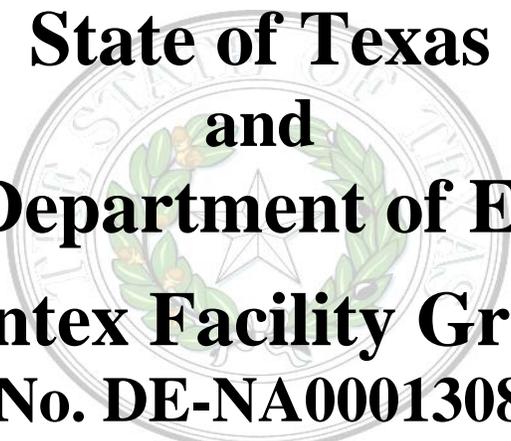
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# **Agreement in Principle**

**No.52-11NA-30472**

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**State of Texas**  
**and**  
**U.S. Department of Energy**  
**Pantex Facility Grant**  
**No. DE-NA0001308**

The seal of the State of Texas is visible in the background, featuring a five-pointed star surrounded by a wreath of olive and live oak branches, with the words "THE STATE OF TEXAS" and "1845" inscribed around the perimeter.

## **Quarterly Report**

**Fiscal Year 2016**

**2<sup>ND</sup> Quarter**

**January 1, 2016 – March 31, 2016**

AGREEMENT IN PRINCIPLE  
U.S. DEPARTMENT OF ENERGY  
And  
THE STATE OF TEXAS  
QUARTERLY REPORT

2<sup>nd</sup> QUARTER  
FISCAL YEAR 2016  
JANUARY 1, 2016 – MARCH 31, 2016

The State Energy Conservation Office (SECO) has prepared this report for the 2nd quarter of Fiscal Year 2016. SECO is responsible for coordinating the activities of the Agreement in Principle (AIP) participants and for processing vouchers. AIP participants are reimbursed for appropriate expenses, following state and federal guidelines.

A summary of each participant's expenditures is included in this report. That is followed by individual reports detailing the work performed under the various AIP tasks.

The Task I and II Environmental Cleanup meeting is now conducted annually in conjunction with the Pantex Long-Term Stewardship Public Meeting. That meeting is typically held the first Monday in November.

The Task III meeting was held on February 11, 2016 at the Department of State Health Services (DSHS) in Austin, TX. The minutes from that meeting are attached.

A new Task IV, Law Enforcement, has been proposed for the next five-year Agreement in Principle, beginning October 1, 2016, subject to the approval of the participating parties. Draft language for the new Task IV has been submitted as part of the revised five-year agreement, along with a revised AIP grant application and a revised fiscal year 2017 Scope of Work and Budget. This package replaced the initial proposed Agreement in Principle, AIP grant and fiscal year 2017 Scope of Work and Budget that was submitted to DOE on October 12, 2015. The revised set of documents is currently being reviewed by DOE.

Work continues between DOE and the City of Amarillo on executing a new Memorandum of Understanding (MOU) relating to Pantex personnel initially activating the offsite sirens within the emergency planning zone (EPZ) in the event of an incident at Pantex.

All other MOU's between DOE and Armstrong and Carson counties have been completed.

A local AIP meeting is planned as part of the annual Texas Emergency Management Conference in San Antonio the week of April 4, 2016. The next quarterly Task III AIP meeting is scheduled for May 17-18, 2016. The first day will include a tour of Pantex facilities and the second day will include a meeting at the Amarillo airport.

Planning also continues for the Pantex Annual Exercise, currently scheduled for August, 2016 and preliminary plans are underway for an exercise involving the Office of Secure Transportation in the fall of 2016.

If you have any questions, please contact Roger Mulder at 512/463-1866 or send an e-mail to [Roger.Mulder@cpa.state.tx.us](mailto:Roger.Mulder@cpa.state.tx.us)

**BUDGETS AND EXPENDITURES  
SECOND QUARTER  
FIFTH YEAR 2016**

**AGREEMENT IN PRINCIPLE  
GRANT DE-NA0001308  
CUMULATIVE BUDGETS AND EXPENDITURES  
FOR THE PERIOD**

**OCTOBER 1, 2011 THROUGH MARCH 31, 2016**

<b>AGENCY</b>	<b>CUMULATIVE BUDGET</b>	<b>ACTUAL/PROJECTED EXPENDITURES</b>	<b>CUMULATIVE BALANCE</b>
State Energy Conservation Office	\$ 1,085,843.14	\$ 1,000,176.23 a	\$ 85,666.91
Texas Commission on Environmental Quality	\$ 1,069,167.00	\$ 844,436.87 a	\$ 181,230.13
		\$ 43,500.00 p	
Texas Department of State Health Services	\$ 1,364,882.86	\$ 958,039.13 a	\$ 382,332.59
		\$ 24,511.14 p	
Texas Department of Public Safety	\$ 888,657.19	\$ 715,381.54 a	\$ 128,275.65
		\$ 45,000.00 p	
Carson County	\$ 568,537.94	\$ 420,831.26 a	\$ 147,706.68
Armstrong County	\$ 499,852.87	\$ 423,178.52 a	\$ 76,674.35
City of Amarillo	\$ 857,120.00	\$ 774,930.40 a	\$ 73,689.60
		\$ 8,500.00 p	
<b>TOTALS</b>	<b>\$6,334,061.00</b>	<b>\$ 5,258,485.09</b>	<b>\$1,075,575.91</b>

*a = cumulative actual expenditures through 3/31/16      p = projected/obligated expenditures through 3/31/16*



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**TEXAS COMMISSION ON ENVIRONMENTAL  
QUALITY**



**TEXAS DEPARTMENT OF  
STATE HEALTH SERVICES**



**TEXAS DEPARTMENT OF  
PUBLIC SAFETY**



**CARSON COUNTY**



**ARMSTRONG COUNTY**



**CITY OF AMARILLO**

## **Agreement in Principle Meetings**

Task III Quarterly Meeting

December 8-9, 2015

- Agenda
- Sign-in Sheet
- Meeting Notes
- Presentation Slides



[www.tceq.state.tx.us](http://www.tceq.state.tx.us)

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*2<sup>ND</sup> QUARTER*  
*FISCAL YEAR 2016*  
**QUARTERLY REPORT**

**Texas Commission on Environmental Quality**  
**Agreement in Principle**  
**Technical Progress Report**  
**April 2016**

**Prepared by: Guy Wilkins**

**A. PERIOD COVERED BY THIS REPORT:**

This quarterly status report for the Agreement in Principle (AIP) outlines the task activities from January 1 thru March 31, 2016. The report was compiled by the TCEQ Region 1 Office with additional information from Kristian Livingston (Remediation) and Nick Boulanger (Monitoring Division).

**B. REMEDIATION DIVISION ACTIVITIES**

**1. ACTIVITIES PERFORMED DURING REPORTING PERIOD**

**Task 1:** Evaluate the groundwater monitoring data submitted as part of long-term monitoring to determine if selected remedies are functioning as intended and if additional measures are necessary to protect human health and the environment.

**Task Activity:** Reviewed the TCEQ and DOE groundwater sample results to evaluate whether additional measures were necessary. Reviewed the quarterly progress report and other submittals, as necessary.

**Task 2:** Participate, as resources and management allow, in DOE, Texas Commission On Environmental Quality (TCEQ), Environmental Protection Agency (EPA), Agreement-In-Principle (AIP) sponsored, and public meetings regarding long-term groundwater monitoring activities;

**Task Activity:** DOE, TCEQ and EPA meet as necessary to discuss site status and upcoming activities.

**Task 3:** Coordinate with TCEQ staff and other state and federal agencies (e.g., EPA, TBEG, TDHS, Texas A&M University), as appropriate, to fulfill ongoing project objectives;

**Task Activity:** Coordinated/discussed with USEPA regarding groundwater results evaluation.

**2. ACTIVITIES SCHEDULED FOR NEXT REPORTING PERIOD**

**Task 1:** Evaluate the groundwater monitoring data submitted as part of long-term monitoring to determine if selected remedies are functioning as intended and if additional measures are necessary to protect human health and the environment.

**Task Activity:** Continue to evaluate groundwater monitoring data and progress reports, as submitted.

**Task 2:** Participate, as resources and management allow, in DOE, Texas Commission On Environmental Quality (TCEQ), Environmental Protection Agency (EPA),

Agreement-In-Principle (AIP) sponsored, and public meetings regarding long-term groundwater monitoring activities;

**Task Activity:** Continue to participate in meetings and teleconference calls as needed for the long-term groundwater monitoring activities.

**Task 3:** Coordinate with TCEQ staff and other state and federal agencies (e.g., EPA, TBEG, TDHS, Texas A&M University), as appropriate, to fulfill ongoing project objectives;

**Task Activity:** Continue to coordinate with others as needed.

## **C. REGIONAL AREAS – REGION 1, AMARILLO OFFICE**

### **1. ACTIVITIES PERFORMED DURING REPORTING PERIOD**

**Task 1:** Collect groundwater samples equal to or greater than 10% of DOE sampling as resources allow. As time and resources allow and if needed, surface water, soils, and biological parameters may be collected from DOE-Pantex;

**Task Activity:** Collected groundwater samples from 21 wells on and off site with DOE/B&W Pantex. No additional parameters were sampled.

**Task 2:** Collect groundwater samples, as resources allow and if needed, from public drinking water systems and private wells adjacent to the DOE-Pantex Plant to determine water quality;

**Task Activity:** No activities during the quarter.

**Task 3:** Collect air samples (particulate and selected volatile organic samples), as resources allow, from selected monitoring sites associated with DOE-Pantex. Operate air samplers for organic and inorganic analysis, on-site and/or adjacent to the DOE-Pantex plant boundary;

**Task Activity:** Collected 7 (24 hr) ambient air sampling events at Sites 4 and 5. Continued to monitor for total non-methane/methane at Site 7. No triggered events occurred during the quarter.

**Task 4:** Evaluate and maintain environmental data (i.e., soil, air, groundwater) collected by TCEQ Region 1 staff for exceedances of health based or regulatory levels of indicator parameter and/or constituents of concern associated with DOE-Pantex industrial activities;

**Task Activity:** Continued to evaluate and maintain environmental data collected by TCEQ Region 1 staff.

**Task 5:** Monitor, review, and provide oversight of the DOE-Pantex Plant's environmental protection and restoration activities to include soil and groundwater monitoring and remediation programs;

**Task Activity:** Continued monitoring and review of the DOE-Pantex Plant's environmental protection and restoration activities.

**Task 6:** Review and sign Solid Waste Management Units (SWMU) interference notifications; provide appropriate follow-up oversight, as resources allow;

**Task Activity:** Two SWMU Interference Notifications were received and reviewed.

**Task 7:** Provide administrative oversight for TCEQ Region activities for the AIP grant project, including attending AIP meetings, as necessary;

**Task Activity:** No activities during the quarter.

**Task 8:** Attend and provide technical assistance at public meetings;

**Task Activity:** No activities during the quarter.

**Task 9:** Provide, as appropriate, reports, brochures, TCEQ sample results and information for public education of environmental issues at DOE-Pantex;

**Task Activity:** No activities during the quarter.

**Task 10:** Attend and participate in AIP Task III meetings and exercises, as time and resources allow.

**Task Activity:** No activities during the quarter.

## **2. ACTIVITIES SCHEDULED FOR NEXT REPORTING PERIOD**

**Task 1:** Collect groundwater samples equal to or greater than 10% of DOE sampling as resources allow. As time and resources allow and if needed, surface water, soils, and biological parameters may be collected from DOE-Pantex;

**Scheduled Task Activity:** Quarterly groundwater sampling is scheduled to begin in April 2016.

**Task 2:** Collect groundwater samples, as resources allow and if needed, from public drinking water systems and private wells adjacent to the DOE-Pantex Plant to determine water quality;

**Scheduled Task Activity:** No Activities scheduled.

**Task 3:** Collect air samples (particulate and selected volatile organic samples), as resources allow, from selected monitoring sites associated with DOE-Pantex. Operate air samplers for organic and inorganic analysis, on-site and/or adjacent to the DOE-Pantex plant boundary;

**Scheduled Task Activity:** Continue to collect air sample events from Sites 4 & 5 (24 hr). Continue to monitor for total non-methane/methane at Site 7 and collect non-methane triggered sample events (1 hr).

**Task 4:** Evaluate and maintain environmental data (i.e., soil, air, groundwater) collected by TCEQ Region 1 staff for exceedances of health based or regulatory levels of indicator parameter and/or constituents of concern associated with DOE-Pantex industrial activities;

**Scheduled Task Activity:** Continue to evaluate and maintain environmental data collected by TCEQ Region 1 staff.

**Task 5:** Monitor, review, and provide oversight of the DOE-Pantex Plant's environmental protection and restoration activities to include soil and groundwater monitoring and remediation programs;

**Scheduled Task Activity:** Continue to monitor and review the DOE-Pantex Plant's environmental protection and restoration activities.

**Task 6:** Review and sign Solid Waste Management Units (SWMU) interference notifications; provide appropriate follow-up oversight, as resources allow;

**Scheduled Task Activity:** Continue to Review and sign Solid Waste Management Units (SWMU) interference notifications; provide appropriate follow-up oversight, as resources allow;

**Task 7:** Provide administrative oversight for TCEQ Region activities for the AIP grant project, including attending AIP meetings, as necessary;

**Scheduled Task Activity:** Attend and participate in the scheduled AIP Tasks I & II meeting when scheduled.

**Task 8:** Attend and provide technical assistance at public meetings;

**Scheduled Task Activity:** No activity scheduled for the quarter.

**Task 9:** Provide, as appropriate, reports, brochures, TCEQ sample results and information for public education of environmental issues at DOE-Pantex;

**Scheduled Task Activity:** Continue to provide, as appropriate, reports, brochures, TCEQ sample results and information for public education on environmental issues at DOE-Pantex.

**Task 10:** Attend and participate in AIP Task III meetings and exercises, as time and resources allow.

**Scheduled Task Activity:** No activity scheduled for the quarter.

## **D. MONITORING DIVISION ACTIVITIES**

### **1. ACTIVITIES PERFORMED DURING REPORTING PERIOD**

**Task 1:** As resources and management allow, continue the analysis for respirable particulates and selected volatile organic compounds at the DOE-Pantex air monitoring stations for up to 60 samples including ten quality assurance samples and provide logistical support for the operation of air monitoring equipment. If resources allow, the division will also forward the same number of total suspended particulate samples on high volume filters to the Bureau of Radiation Control for radionuclide analysis;

**Task Activity:** All respirable particulate and volatile organic compound samples collected by the Amarillo Regional Office were analyzed. All total suspended particulate samples were forwarded to the Bureau of Radiation Control.

**Task 2:** As resources and management allow, compile air monitoring data and provide that data to the TCEQ Toxicology Section for assessment. Copies of the air monitoring data will be forwarded to the DOE and the State Energy Conservation Office upon written request. The analytical data will be reviewed and concentrations of concern recorded at any of the sites will be reported to the TCEQ Toxicology Section for further consideration;

**Task Activity:** All respirable and volatile organic analysis laboratory reports were forwarded to the Toxicology Section for review and assessment.

**Task 3:** As resources allow, audit all air monitoring instrumentation at least annually;

**Task Activity:** There was no audit activity during this reporting period.

**Task 4:** Attend public meetings in Amarillo or elsewhere in Texas as needed.

**Task Activity:** There were no requests to participate in public meetings during this quarter.

## **2. ACTIVITIES SCHEDULED FOR NEXT REPORTING PERIOD**

**Task 1:** As resources and management allow, continue the analysis for respirable particulates and selected volatile organic compounds at the DOE-Pantex air monitoring stations for up to 60 samples including ten quality assurance samples and provide logistical support for the operation of air monitoring equipment. If resources allow, the division will also forward the same number of total suspended particulate samples on high volume filters to the Bureau of Radiation Control for radionuclide analysis;

**Scheduled Task Activity:** Continue with the analysis of samples.

**Task 2:** As resources and management allow, compile air monitoring data and provide that data to the TCEQ Toxicology Section for assessment. Copies of the air monitoring data will be forwarded to the DOE and the State Energy Conservation Office upon written request. The analytical data will be reviewed and concentrations of concern recorded at any of the sites will be reported to the TCEQ Toxicology Section for further consideration;

**Scheduled Task Activity:** Continue forwarding data to the Toxicology Section.

**Task 3:** As resources allow, audit all air monitoring instrumentation at least annually;

**Scheduled Task Activity:** Annual audits are still current. Annual audit will be scheduled for the next quarter.

**Task 4:** Attend public meetings in Amarillo or elsewhere in Texas as needed.

**Scheduled Task Activity:** Participate in meetings, as requested.



Texas Department of State Health Services  
Radiation Control

[www.dshs.state.tx.us/radiation/](http://www.dshs.state.tx.us/radiation/)

*2<sup>ND</sup> QUARTER*  
*FISCAL YEAR 2016*  
**QUARTERLY REPORT**

**Department of State Health Services  
Agreement In Principle  
Technical Progress Report**

**Period Covered by this Report:**

**From: January 1, 2016 To: March 31, 2016**

**Prepared by: Mike P. Rutherford/Art Tucker Date: April 20, 2016**

**Summary of Activities Performed During this Reporting Period:**

**TASK I: GENERAL**

1. **Objective:** Provide qualified personnel for appropriate level of security clearance to conduct those activities under the Grant that require a security clearance based upon a “need-to-know.” Security clearances will be budgeted and funded with AIP funding.

**Activity:** Helen Watkins, DSHS Radiation Branch Manager continues to be in the process of being granted a L security clearance.

2. **Objective:** Require individuals with security clearances to notify their Pantex Plant sponsor when they will be on site at Pantex, providing the date(s) and time(s).

**Activity:** Letter submitted to Pantex for onsite sampling trip on December 30, 2015. Sampling to be conducted on January 19 and 20, 2016.

3. **Objective:** Require individuals with security clearances to be responsible for renewing their badges and keeping them current.

**Activity:** DSHS staff member, Chris Moore has recently renewed his Q clearance.

4. **Objective:** Provide a brief position description for personnel who are partially or fully funded with AIP funds as part of the annual scope of work. Include the roles and responsibilities for each position funded, along with the percentage of time budgeted for AIP activities.

**Activity:** A brief position description for personnel who are funded with AIP funds as well as the roles and responsibilities for each position has been recently developed and submitted for the 2017 Agreement in Principle Scope of Work.

**TASK II: ENVIRONMENTAL MONITORING**

1. **Objective:** Sample any public drinking water systems/domestic wells in the vicinity of the Plant, as required. For any systems/domestic wells that are determined to be potentially affected by Plant operations, the State, in cooperation with local governments, will develop a program for increased frequency of system sampling and analysis. Analyses will include chemicals and radionuclides that are reasonably expected to be in or derived from a possible release by the Plant.

**Activity:** Sampled water systems for the cities of Amarillo and Panhandle.

- Objective:** Collect and analyze soil, water, and other appropriate environmental media from the Plant environs for selected radionuclides and/or chemicals. Samples will be analyzed on a priority basis and results provided in a semiannual report to the PXSO and made available on the AIP website. Any samples that exceed regulatory limits will be reported to the PXSO within 24 hours of receipt of results of analysis. PXSO will schedule and arrange for the collection of confirmation sampling by the State to validate the exceedance.

**Activity:** Completed five soil, five vegetation, 1 sediment sample, 1 crop sample and four samples of ground water.

- Objective:** Monitor the site boundary with dosimeters to determine ambient gamma radiation levels.

**Activity:** Exchanged 12 OSL dosimeters.

- Objective:** Perform chemical and radiological analyses of air samples.

**Activity:** No activity this quarter.

- Objective:** Review environmental monitoring and modeling results for potential public health impacts.

**Activity:** Reviewed six air sample results. No limits exceeded.

- Objective:** Provide all verified sampling data, analysis results, and reports produced as part of the AIP environmental oversight responsibility to PXOS on a semi-annual basis. Upon completion of the PXSO review, results will be disseminated to the Pantex NNSA Public Reading Room, and be made available on the State AIP Web site.

**Activity:** Completed and sent annual report for 2015.

- Objective:** Prepare environmental monitoring and analysis plans and updates as appropriate, for the monitoring and analysis of chemical and radiological materials, which may be present in the environment in and around the Plant. Provide NNSA with the opportunity to review and comment on such plans prior to publication.

**Activity:** No activity this quarter.

- Objective:** Allow NNSA to take split samples, whenever possible, in all routine environmental monitoring activities.

**Activity:** Performed two split samples.

### **TASK III: EMERGENCY MANAGEMENT**

- Objective:** When the Pantex Plant emergency management representatives brief on the changes/revisions for the Pantex Plant emergency planning documents, provide comments and consensus, as applicable. Maintain current copies of applicable Pantex Plant emergency planning documents provided to State and local

governments.

**Activity:** Small Article checker procedure completed. DSHS continues to maintain updated documents applicable to Pantex emergency planning.

2. **Objective:** Once published, provide copies of applicable State governments' emergency plans and procedures documents related to the Pantex Plant to PXSO.

**Activity:** No activity this quarter.

3. **Objective:** In coordination with Pantex Plant, design, schedule, conduct and evaluate periodic joint emergency exercises and drills. Maintain a three-year joint exercise and drill schedule and update it annually. Participate in such exercises and drills and provide full exercise participation at least every three years. Full exercise participation is defined as appropriate demonstration of multi-agency coordination system and incident command system response by AIP Task III members (TDEM, DPS, TDSHS, and local jurisdictions within the EPZ) to the extent required by the exercise scenario.

**Activity:** DSHS AIP staff continues to participate, attend and support emergency exercises and drills. On March 22, 2016 two DSHS staff members attended and participated in the Joint Information Center Drill in Amarillo.

4. **Objective:** Require personnel whose positions are funded at least 50% by the AIP to participate and support the Pantex annual exercise unless otherwise agreed to in writing by the PXSO Emergency Preparedness Program Manager.

**Activity:** Continue to plan for the upcoming Pantex annual exercise.

5. **Objective:** Meet as needed with NNSA and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.

**Activity:** a. On January 7, 2016, two DSHS personnel attend a meeting with representatives from Pantex via conference call regarding Emergency Preparedness and Response at the Pantex Plant.

b. Four DSHS personnel attended and participated in the February 10 & 11, quarterly AIP meeting in Austin.

c. One DSHS staff member attended the local AIP exercise planning meeting in Panhandle, Texas on March 2, 2016.

6. **Objective:** Participate in monthly notification, warning system, and communications testing with the Pantex Plant. In coordination with the Pantex Plant, evaluate the timeliness, accuracy and effectiveness of those activities.

**Activity:** In January, February and March, 2016, DSHS staff participated in notifications and communications testing activities with the Pantex site.

7. **Objective:** Request training on Pantex Plant-related hazards and response protocols for State and local governments, as needed.

**Activity:** No activity this quarter.

8. **Objective:** Assist in the development and dissemination of public information focused on Pantex Plant hazards, public protective actions, warning systems, and emergency preparedness information to areas surrounding the Pantex Plant. Create and publish an annual calendar each year on or before December 1st to be distributed to the public located within the Pantex EPZ. The annual calendar will provide pertinent emergency management and protective action information related to the Plant. This calendar will be compiled, edited and published under the direction of the local AIP organizations.

**Activity:** No activity this quarter.

9. **Objective:** Coordinate with the Pantex Plant emergency public information program to include coordination of emergency preparedness information and inclusion of State and local governments in the operation of a Joint Information Center (JIC).

**Activity:** Staff participated in the March 22, 2016 JIC Drill in Amarillo.

10. **Objective:** Assist in the development and implementation of a local government operated Reception Center for receipt of displaced families and individuals from a Pantex Plant Operational Emergency.

**Activity:** Three iPCMs are currently in normal continuous operation in case of immediate use at the Reception Center.

11. **Objective:** Provide certification to NNSA/PXSO by October 31st of each calendar year that the local governments funded under this Grant have implemented and are fully compliant with the National Incident Management System (NIMS) in accordance with the provisions of HSPD-5 and HSPD-8, and the Secretary of Homeland Security's Letter to the Governors, dated September 8, 2004. If the required State and local government deadline to submit NIMS compliance information to the NIMS compliance Assistance Support Tool (NIMSCAST) is moved beyond September 30th provide an interim status, followed by certification once requirements have been met by the new deadline.

**Activity:** All DSHS employees funded under the AIP agreement are up to date on their required training.

12. **Objective:** Provide support for direction and control facilities, mobile command platforms and communication/data systems used in response to an incident at the Pantex Plant by State and local governments.

**Activity:** Calibrated 3 iPCM's and 2 PCM 1B's at the staging area. 11 each Eberline E-600s that are used by the City of Amarillo Fire Department Bomb Squad employees. In addition, 35 Canberra Radiac monitors assigned to local jurisdictions around Pantex were inspected and calibrated in February.

13. **Objective:** Coordinate appropriate Memorandums of Understanding (MOU), Memorandums of Agreement (MOA), or other agreements with the Pantex Plant and local

governments for emergency response assets and capabilities that may be needed to support emergency operations at the Pantex Plant.

**Activity:** Continue to work with the City of Amarillo to upgrade and enhance emergency response radiological instrumentation.

14. **Objective:** In the event of an Operational Emergency at the Pantex Plant, ensure a timely, clear, accurate and effective information exchange occurs between State and local governments and the Pantex Plant. This includes receiving initial briefings and ongoing information sufficient for the protection of public health, safety and security, coordination of response, Emergency Operations Center (EOC) interfaces, public information activities, and logistical support.

**Activity:** No activity this quarter.

#### **Summary of Activities Scheduled for the Next Reporting Period:**

1. **Objective:** Request training on Pantex Plant-related hazards and response protocols for State and local governments, as needed.

**Activity:** a. Track and schedule NIMS ICS Classes for new DSHS Radiation Branch personnel.

b. Offering Radiological Instrumentation training classes to emergency responders in Potter, Randall, Armstrong and in Carson Counties.

2. **Objective:** Provide support for direction and control facilities, mobile command platforms and communications/data systems as used in response to an incident at the Pantex Plant by state and local governments.

**Activity:** Continue to coordinate with local government officials in Amarillo to arrange the transfer of emergency response equipment for the Line Avenue facility to a new approved facility.

3. **Objective:** Meet as needed with NNSA and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.

DSHS will continue to coordinate with NNSA and Pantex regarding the planning of the upcoming annual exercise.

**Activity:** DSHS personnel will attend the upcoming AIP quarterly meetings.



**TEXAS DEPARTMENT OF PUBLIC SAFETY  
DIVISION OF EMERGENCY MANAGEMENT**

[www.txdps.state.tx.us/dem/](http://www.txdps.state.tx.us/dem/)

***2<sup>ND</sup> QUARTER***  
***FISCAL YEAR 2016***  
**QUARTERLY REPORT**

**Texas Department of Public Safety  
Division of Emergency Management  
Agreement in Principle  
Technical Progress Report – 2nd Quarter FY2016**

**Date:** April 25, 2016

**Period Covered by this Report:**

**From:** January 1, 2016   **To:** March 31, 2016

**Prepared by:** Joshua Bryant

**Summary of Activities Performed During this Reporting Period:**

**TASK 1**

**1. Task One, Objective 1:**

Provide for appropriate level of security clearance to conduct those activities under the Grant that requires a security clearance based upon a “need-to-know”. Security Clearances will be paid for with federal funding.

**Activity:** No activity this period.

**2. Task One, Objective 2:**

Personnel who obtain a security clearance are required to notify their Pantex Plant sponsor when they will be onsite, providing the date(s) and time(s).

**Activity:** No new activity in this period. In accordance with this policy, personnel visiting ensure to coordinate with DOE and CNS personnel

**3. Task One, Objective 3:**

Individuals with security clearances are responsible for renewing their badges and keeping them current.

**Activity:** No activity this period.

**4. Task One, Objective 4:**

A brief position description for State and local government personnel who are partially or fully funded with the AIP fund should be submitted as part of the annual scope of work.

**Activity:** As stated in the FY2016 scope of work, TDEM maintains two planner positions which are fully funded by AIP funds. Their roles and responsibilities include overseeing the AIP contract and Task I and III objectives as applicable to TDEM listed in the FY 2016 Scope of Work. 100% of time is budgeted for AIP activities. The TDEM Planner position in Amarillo is vacant and the TDEM Planner position in Austin is vacant.

**TASK 3**

**1. Task Three, Objective 1:**

When the Pantex Plant emergency management representatives brief on the changes/ revisions for the Pantex Plant emergency planning documents, provide comments and consensus, as applicable. Maintain copies of applicable Pantex Plant emergency planning documents provided to State and local governments.

**Activity:** Pantex is currently working on revising/consolidating their emergency documents, once complete they are to brief the AIP group.

**2. Task Three, Objective 2:**

Once published, provide copies of applicable State emergency plans and procedures documents related to Pantex Plant to PXSO;

**Activity:** All state-level plans and planning guidance are reviewed and updated based on the results of the 81<sup>st</sup> Texas Legislature session in 2009 and FY2010/ FY 2011 NIMS requirements. The process includes invitations to stake-holders of each Annex. Texas State Emergency Management Plans are NIMS compliant and review of local jurisdiction annexes is on-going

TDEM Austin personnel continue to work closely with State Operations Center (SOC) staff on a revised version of Addendum D, which is the State Operations Center Standard Operating Procedure for Pantex Plant Emergencies. Due to current work to revise all of the SOC's procedures, revision and publication of an updated Addendum D will be delayed until revisions of source documents (i.e.; SOC plans and procedures to which this addendum would attach to) are completed. Initial suggested revisions have been compiled and are waiting on further processing until other revisions are complete. These anticipated changes to SOC SOPs are as a result of internal organizational changes within TDEM, as well as incorporation of several federal guidance documents.

**3. Task Three, Objective 3:**

In coordination with Pantex Plant, design, schedule, conduct and evaluate periodic joint emergency exercises and drills. Maintain a three-year joint exercise and drill schedule and update it annually. Participate in such exercises and drills and provide full exercise participation at least every three years. Full exercise participation is defined as appropriate demonstration of multi-agency coordination system and incident command system response by AIP Task III members (TDEM, DPS, TDSHS, and local jurisdictions within the EPZ) to the extent required by the exercise scenario.

**Activity:** Monthly drills continue to be carried out. Amarillo Pantex Planner participates in all monthly notification drills as they are conducted and provides the results to the local jurisdictions when received from Pantex. The tests include e-mail and the communicator system. TDEM Amarillo planner will maintain a 3 year exercise schedule for the AIP participants.

**4. Task Three, Objective 4:**

Require State personnel whose positions are funded at least 50% by the AIP to participate and support the Pantex annual exercise unless otherwise agreed to in writing by the PXSO Emergency Preparedness Program Manager.

**Activity:** No activity this quarter

**5. Task Three, Objective 5:**

Meet, as needed, with NNSA and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.

**Activity:** The TDEM Amarillo Planner participated in the local AIP meetings on January 7<sup>th</sup> & March 2<sup>nd</sup>. The Amarillo and Austin Pantex planners participated in the Quarterly AIP meeting in Austin February 11th. TDEM staff made many contacts during the quarter with local officials, state agencies, volunteer groups and DOE or Pantex personnel to provide information, answer questions and solve problems.

**6. Task Three, Objective 6:**

Participate in monthly notification, warning system, and communications testing with the Pantex Plant. In coordination with the Pantex Plant, evaluate the timeliness, accuracy and effectiveness of those activities.

**Activity:** TDEM/DPS Amarillo personnel participated in periodic /monthly communication drills. TDEM DPS Amarillo Pantex Planner receives feedback from local AIP participants and follows up on any problems noted.

Drills conducted within the 2nd Quarter of 2016 demonstrated effective communications and integration of NIMS, ICS, and multi-agency coordination between local AIP participants and state agencies.

**7. Task Three, Objective 7:**

In the event of an incident at Pantex potentially affecting the off-site population, assist the local authorities to the extent and in the manner identified in respective state and local emergency management plans and mutual aid agreements.

**Activity:** No new activity in this quarter.

**8. Task Three, Objective 8:**

Request training on Pantex Plant-related hazards and response protocols for State and local governments as needed:

**Activity:** No new activity in this quarter.

**9. Task Three, Objective 9:**

Assist local governments in reviewing and updating emergency plans and procedures related to the Pantex Plant. Provide assistance in integrating emergency plans and procedures between the Pantex Plant, State and local governments.

**Activity:** Access to current State planning standards and guidance, including: the Local Emergency Management planning Guide (DEM-10), Preparedness Standards for Texas Emergency Management (DEM-100) and Selected State Statutes related to Emergency Management (DEM-106) is available online at:  
<http://www.txdps.state.tx.us/dem/pages/downloadableforms.htm#serc>  
or by request to the TDEM planners.

Templates are available online  
at: <http://www.txdps.state.tx.us/dem/pages/downloadableforms.htm#serc>

Current copies of reviewed emergency management plans and procedures submitted to the State of Texas (from the planning jurisdictions within Armstrong, Carson, Potter, and Randall counties) are maintained at TDEM headquarters in Austin. Local jurisdiction emergency management plans have been reviewed and comply with State planning standards. Preparedness level designations for the counties as of the end of the quarter are as follows:

City of Amarillo/Potter County/ Randall County's current preparedness level is advanced.

Armstrong County's current preparedness profile level is intermediate.

Carson County's current preparedness profile level is advanced.

**10. Task Three, Objective 10:**

Review and provide comments regarding local emergency plans developed to prepare for a radiological and/or hazardous material incident at the Pantex Plant.

**Activity:** NIMS requirements for FY 2015 did not include any significant changes from previous years; however FEMA's NIMSCAST reporting system is not operational. Instead, the NIMS reporting tool was offered to the states by FEMA to use in the absence of NIMSCAST. All AIP jurisdictions replied to the survey and TDEM certified all were NIMS compliant for FY15 as of the end of the quarter.

In the event of new or changing personnel, support and leadership will be given to ensure continued NIMS compliance.

**11. Task Three, Objective 11:**

Develop and disseminate public information focused on Pantex Plant hazards, public protective actions, warning systems, and emergency preparedness information to areas surrounding the Pantex Plant. Assist local governments in creating and publishing an annual calendar each year on or before December 1st to be distributed to the public located within the Pantex EPZ. The annual calendar will provide pertinent emergency management and protective action information related to the Plant.

**Activity:** No new activity in this quarter.

**12. Task Three, Objective 12:**

Coordinate with the Pantex Plant an emergency public information program to include coordination of emergency preparedness information and inclusion of State and local governments in the operation of a Joint Information Center (JIC).

**Activity:** The procedures for establishing a JIC in the event of an incident at Pantex have been developed and will be put into place and a JIC established if the event or incident calls for such an action. In the event of an incident, TDEM would provide assistance as needed. There were no incidents this quarter.

**13. Task Three, Objective 13:**

Assist in the development and implementation of a local government-operated Reception Center for receipt of displaced families and individuals from a Pantex Plant Operational Emergency.

**Activity:** TDEM Amarillo Pantex Planner attended and assisted with a training drill at the Reception Center.

**14. Task Three, Objective 14:**

Provide certification to NNSA/PXSO by October 31st of each calendar year that the State and local governments funded under this Grant have implemented and are fully compliant with the National Incident Management System (NIMS) in accordance with the provisions of HSPD-5 and HSPD-8, and the Secretary of Homeland Security's letter to the Governors, dated September 8, 2004. If the required State and local government deadline to submit NIMS compliance information to the NIMS compliance Assistance Support Tool (NIMSCAST) is moved beyond September 30th, provide an interim status, followed by certification once requirements have been met by the new deadline.

**Activity:** TDEM certified to the program director that TDEM, other Texas state agencies, and the local jurisdictions that would respond to an incident/accident at the Pantex Plant were NIMS compliant for FY2015. The next reporting date will be September 2016.

**15. Task Three, Objective 16:**

Provide support for direction and control facilities, mobile command platforms and communication/data systems used in response to an incident at the Pantex Plant by State and local governments.

**Activity:** No new activity for this period.

**16. Task Three, Objective 18:**

In the event of an Operational Emergency at the Pantex Plant, ensure a timely, clear, accurate and effective information exchange occurs between State and local governments and the Pantex Plant. This includes receiving initial briefings and ongoing information sufficient for the protection of public health, safety and security, coordination of response, Emergency Operations Center (EOC) interfaces, public information activities, and logistical support.

**Activity:** No activity for this period.

**17. Task Three, Objective 20:**

Coordinate and conduct radiological training for State and local government emergency response organizations as requested.

**Activity:** No activity for this period.



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# CARSON COUNTY

*2<sup>ND</sup> QUARTER*  
*FISCAL YEAR 2016*  
**QUARTERLY REPORT**

**CARSON COUNTY  
AGREEMENT IN PRINCIPLE  
TECHNICAL PROGRESS REPORT**

**Period Covered by this Report:**

**From:** January 1, 2016   **to:** March 31, 2016

**Prepared by:** Brenda Vermillion   **Date:** April 12, 2016

1. As needed, provide qualified personnel for appropriate level of security clearance to conduct those activities under the Grant that require a security clearance based upon a “need-to-know.” Security clearances will be budgeted and funded with AIP funding.

**ACTIVITY:** Carson County Judge Dan Looten would like to have a Security Clearance.

2. Require individuals with security clearances to notify their Pantex Plant sponsor when they will be on site at Pantex, providing the date(s) and time(s).

**ACTIVITY:** No activity this quarter

3. Require individuals with security clearances to be responsible for renewing their badges and keeping them current.

**ACTIVITY:** Currently, there is a problem with the EMC badge, the chip on the badge has expired. This problem is taking time to fix due to problems with e-mails.

4. Provide a brief position description for personnel who are partially or fully funded with AIP funds as part of the annual scope of work. Include the roles and responsibilities for each position funded, along with the percentage of time budgeted for AIP activities.

**ACTIVITY:** This information has been provided in the scope of work.

5. When the Pantex Plant emergency management representatives brief on the changes/revisions for the Pantex Plant emergency planning documents, provide comments and consensus, as applicable. Maintain current copies of applicable Pantex Plant emergency planning documents provided to State and local governments.

**ACTIVITY:** Plans are being made for Carson County to review the current plans of Pantex. Carson County EMC is working on updating all the Emergency plans and should be completed in the June timeframe.

6. Once published, provide copies of applicable local governments’ emergency plans and procedures documents related to the Pantex Plant to the Pantex Site Office (PXSO);

**ACTIVITY:** All Emergency Plans for Carson County are currently being updated and should be completed in June.

7. In coordination with Pantex Plant, design, schedule, conduct and evaluate periodic joint emergency exercises and drills. Maintain a three-year joint exercise and drill schedule and update it annually. Participate in such exercises and drills and provide full exercise

participation at least every three years. Full exercise participation is defined as appropriate demonstration of multi-agency coordination system and incident command system response by AIP Task III members (TDEM, DPS, TDSHS, and local jurisdictions within the EPZ) to the extent required by the exercise scenario.

**ACTIVITY:** Carson County has submitted a three year plan for the county and will participate in upcoming drills and exercises with Pantex Plant.

8. Require personnel whose positions are funded at least 50% by the AIP to participate and support the Pantex annual exercise unless otherwise agreed to in writing by the PXSO Emergency Preparedness Program Manager.

**ACTIVITY:** Carson County will participate in the all exercise with Pantex Plant.

9. Meet, as needed, with NNSA and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.

**ACTIVITY:** County Judge and EMC have attended all local AIP meeting and planning meeting. EMC and Judge have attended the Quarterly AIP meeting.

10. Participate in monthly notification, warning system, and communications testing with the Pantex Plant. In coordination with the Pantex Plant, evaluate the timeliness, accuracy and effectiveness of those activities.

**ACTIVITY:** Carson County Judge, EMC and Sheriff have participated in the monthly notification test. Carson County EMC has participated in the e-mail test and pagers. We now have an e-mail address for Carson County Dispatch (24-hour information) that will be able to receive Form 2247.

11. Request training on Pantex Plant-related hazards and response protocols for local responders, as needed.

**ACTIVITY:** Meeting has been scheduled for dispatchers from Pantex and local offsite dispatchers have a meeting to understand each one's protocol to send requested resources.

12. Develop and disseminate public information focused on Pantex Plant hazards, public protective actions, warning systems, and emergency preparedness information to areas surrounding the Pantex Plant. Assist in creating and publishing an annual calendar each year on or before December 1st to be distributed to the public located within the Pantex EPZ. The annual calendar will provide pertinent emergency management and protective action information related to the Plant. This calendar will be compiled, edited and published under the direction of the local AIP organizations.

**ACTIVITY:** No Activity this quarter.

13. Coordinate with the Pantex Plant an emergency public information program to include coordination of emergency preparedness information and inclusion of State and local governments in the operation of a Joint Information Center (JIC).

**ACTIVITY:** No Activity this quarter for Carson County.

14. Assist in the development and implementation of a local government-operated Reception Center for receipt of displaced families and individuals from a Pantex Plant Operational Emergency.

**ACTIVITY:** No activity this quarter

15. Provide certification to NNSA/PXSO by October 31st of each calendar year that Carson County has implemented and is fully compliant with the National Incident Management System (NIMS) in accordance with the provisions of HSPD-5 and HSPD-8, and the Secretary of Homeland Security's Letter to the Governors, dated September 8, 2004. If the required State and local government deadline to submit NIMS compliance information to the NIMS Compliance Assistance Support Tool (NIMSCAST) is moved beyond September 30th provide an interim status, followed by certification once requirements have been met by the new deadline.

**ACTIVITY:** Carson County is NIMS compliant for 2015.

16. Provide support for establishment and maintenance of public warning systems in the Pantex Plant 10-mile EPZ. This will include coordination of testing and activation protocols with local governments, the Pantex Plant and the National Oceanic and Atmospheric Administration, National Weather Service.

**ACTIVITY:** The warning sirens located at I-40 rest area and Webb Bragg is tested monthly by Pantex and Carson County has started testing the sirens. Carson County has added each zone in the EPZ to CodeRED Emergency Notification System.

17. Provide support for direction and control facilities, mobile command platforms and communication/data systems used in response to an incident at the Pantex Plant by State and local governments.

**ACTIVITY:** An ERO Drill has been scheduled for the June.

18. Coordinate appropriate Memorandums of Understanding (MOU), Memorandums of Agreement (MOA), or other agreements with the Pantex Plant and local governments for emergency response assets and capabilities that may be needed to support emergency operations at the Pantex Plant.

**ACTIVITY:** The MOU and Siren Agreement have been approved in Carson County Commissioners Court and awaiting signatures from Pantex/DOE officials. Siren Agreement has been submitted to DOE.

19. In the event of an Operational Emergency at the Pantex Plant, ensure a timely, clear, accurate and effective information exchange occurs between State and local governments and the Pantex Plant. This includes receiving initial briefings and ongoing information sufficient for the protection of public health, safety and security, coordination of response, Emergency Operations Center (EOC) interfaces, public information activities, and logistical support.

**ACTIVITY:** No activity this quarter.

## **20. OTHER ACTIVITIES:**

### **January**

- CodeRED Training
- Local AIP meeting
- Calendar Meeting (pickup 2016 calendars)
- TAC Site Survey of the Courthouse, Library, AG Barn & War Memorial Buildings
- EMAT Board Meeting
- Citizens Response to Active Shooting Class in Amarillo
- 9-1-1 Presentation to Panhandle ISD Elementary
- Animal Disaster Board Meeting

### **February**

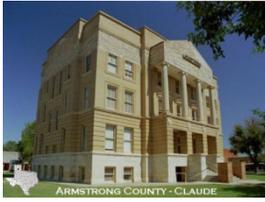
- TAC Risk Reimbursement Meeting
- EMAT Conference
- LEPC meeting
- Fire Weather Briefing by National Weather Service
- Storm Spotter Training

### **March**

- AIP Monthly meeting at Carson County EOC
- Meeting with Dr. Bissett-TAMU Veterinary School
- CPR & AED Training for all county employees
- JIC Drill
- 9-1-1 Groom Presentation
- Crutch Complex Fire EOC activated
- Regional EM meeting
- Pantex- Exercise Planning Committee Meeting
- Law Enforcement meeting –Randall County Sheriff Office

## **21. UPCOMING EVENTS:**

- Working with City of Amarillo/Potter/Randall County OEM to proceed to maintain the AIP offsite. Armstrong County and TDEM in Amarillo both positions are currently vacant.
- Homeland Security Conference in San Antonio
- Management of Spontaneous Volunteers in Disaster-Homeland Security Conference
- AIP meeting at the Homeland Security Conference
- Disaster Summary Outline Review-Homeland Security Conference
- National Weather Service –Intergrated Warning Team Severe Season Meeting
- Meeting with Pantex & Carson County Dispatchers
- BNSF Railroad Training in White Deer
- Quarterly AIP meeting
- Exercise full scale at South Texas Nuclear Facility



[www.co.armstrong.tx.us](http://www.co.armstrong.tx.us)

# ARMSTRONG COUNTY

*2<sup>ND</sup> QUARTER*  
*FISCAL YEAR 2016*  
**QUARTERLY REPORT**

**ARMSTRONG COUNTY  
AGREEMENT IN PRINCIPLE  
TECHNICAL PROGRESS REPORT**

**Period Covered by this Report:**

**From:** January 1, 2016                      **To:** March 31, 2016

**Prepared by:** Craig Thomas              **Date:** March 31, 2016

**Summary of Activities Performed During this Reporting Period:**

- 1. Objective:** When the Pantex Plant emergency management representatives brief on the changes/revisions for the Pantex Plant emergency planning documents, provide comments and consensus, as applicable. Maintain current copies of applicable Pantex Plant emergency planning documents provided to State and local governments.

**Activity:** No activity this quarter.
- 2. Objective:** Once published, provide copies of applicable local governments' emergency plans and procedures documents related to the Pantex Plant to the Pantex Site Office (PXSO).

**Activity:** No activity this quarter.
- 3. Objective:** In coordination with Pantex plant, design, schedule conduct and evaluate periodic joint emergency exercises and drills. Maintain a three-year joint exercise and drill schedule and update it annually. Participate in such exercises and drills and provide full exercise participation at least every three years. Full exercise participation is defined as appropriate demonstration of multi-agency coordination system and incident command system response by AIP Task III members (TDEM, DPS, TDSHS, and local jurisdictions within the EPZ) to the extent required by the exercise scenario.

**Activity:** 3/30, EMC meet with Pantex officials and AIP participants for an exercise committee meeting.
- 4. Objective:** Require personnel whose positions are funded at least 50% by the AIP to participate and support the Pantex annual exercise unless otherwise agreed to in writing by the PXSO Emergency Preparedness Program Manager.

**Activity:** Armstrong County will participate in the full-scale exercise.
- 5. Objective:** Meet, as needed with NNSA and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.

- Activity:** EMC attended the quarterly and local AIP meetings.
6. **Objective:** Participate in monthly notification, warning system, and communications testing with the Pantex Plant. In coordination with the Pantex Plant, evaluate the timeliness, accuracy and effectiveness of those activities.
- Activity:** EMC has received and responded to all notification drills.
7. **Objective:** Request training on Pantex Plant-related hazards and response protocols for local responders, as needed.
- Activity:** EMC went to Pantex to have an overview of the EMINS system with Maribel Martinez.
8. **Objective:** Develop and disseminate public information focused on Pantex Plant hazards, public protective actions, warning systems, and emergency preparedness information to areas surrounding the Pantex Plant. Assist in creating a telephone book advertisement/insert with public protective actions, warning systems, and emergency preparedness information and contract to have advertisement/insert published in the Amarillo-area phonebook. Assist in creating and publishing an annual calendar each year on or before December 1<sup>st</sup> to be distributed to the public located within the Pantex EPZ. The annual calendar will provide pertinent emergency management and protective action information related to the Plant. This calendar will be compiled, edited, and published under the direction of the local AIP organizations.
- Activity:** The YP ad came out in the latest yellow pages. Calendars are still available for the public to pick up.
9. **Objective:** Coordinate with the Pantex Plant an emergency public information program to include coordination of emergency preparedness information and inclusion of State and local governments in the operation of a Joint Information Center (JIC).
- Activity:** 3/22, EMC participated in a JIC drill.
10. **Objective:** Assist in the development and implementation of a local government-operated Reception Center for receipt of displaced families and individuals from a Pantex Plant Operational Emergency.
- Activity:** No activity this quarter.
11. **Objective:** Provide certification to NNSA/PXSO by October 31<sup>st</sup> of each calendar year that Armstrong County has implemented and is fully compliant with the National Incident Management System (NIMS) in accordance with the provisions of HSPD-5 and HSPD-8, and the Secretary of Homeland Security's Letter to the Governors, dated September 8,

2004. If the required State and local government deadline to submit NIMS compliance information to the NIMS Compliance Assistance Support Tool (NIMSCAST) is moved beyond September 30<sup>th</sup> provide an interim status, followed by certification once requirements have been met by the new deadline.

**Activity:** Armstrong County is NIMS compliant.

- 12. Objective:** Provide support for establishment and maintenance of public warning systems in the Pantex Plant 10-mile EPZ. This will include coordination of testing and activation protocols with local governments, the Pantex Plant and the National Oceanic and Atmospheric Administration, National Weather Service.

**Activity:** The OWS is working properly and I have given 3 NOAA Weather Radios to new residents in the Washburn community.

- 13. Objective:** Provide support for direction and control facilities, mobile command platforms and communication/data systems used in response to an incident at the Pantex Plant by State and local governments.

**Activity:** No activity this quarter.

- 14. Objective:** Coordinate appropriate Memorandums of Understanding (MOU), Memorandums of Agreement (MOA), or other agreements with the Pantex Plant and local governments for emergency response assets and capabilities that may be needed to support emergency operations at the Pantex Plant.

**Activity:** The Siren agreement was updated.

- 15. Objective:** In the event of an Operational Emergency at the Pantex Plant, ensure a timely, clear, accurate and effective information exchange occurs between State and local governments and the Pantex Plant. This includes receiving initial briefings and ongoing information sufficient for the protection of public health, safety and security, coordination of response, Emergency Operations Center (EOC) interfaces, public information activities, and logistical support.

**Activity:** No activity this quarter.

- 16. Other**
- |      |   |
|------|---|
| 1/7  | EMC attended the local AIP meeting at DPS in Amarillo.                                  |
| 1/12 | Washburn VFD received a new pumper truck through a grant with the Texas Forest Service. |
| 1/22 | attended a retirement party for Sheriff J.R. Walker.                                    |
| 1/28 | EMC responded to a gas pipe leak at 8 <sup>th</sup> and Dyer Street.                    |

- 2/3 EMC attended a Courthouse meeting concerning Courthouse security and emergency notification.  
Attended a local AIP meeting to discuss the upcoming quarterly meeting in Austin
- 2/10-11 EMC attended the quarterly AIP meeting held in Austin.
- 2/17 EMC participated in a NWS conference call.
- 2/22 EMC participated in an overview of the EMINS system at the Pantex plant.
- 2/24 EMC reviewed and signed off on the emergency plans for the Palo Duro Nursing Home.
- 2/26 EMC responded to a small grass fire at Hwy 287 and County Road 14.
- 2/28 EMC responded to a grass fire at County Road 9 and Alpha Road.
- 3/22 EMC participated in the JIC drill in Amarillo.
- 3/23 EMC responded to a large grass fire at Hwy 287 and Kilo Road near Goodnight. Also another grass fire on the JA Ranch in southeast Armstrong County.
- 3/30 EMC participated in an exercise committee meeting at the Pantex plant.
- 3/31 EMC meet with local AIP, DOE, CNS, and other law enforcement to discuss plans for Task IV funding.

AMARILLO/POTTER/RANDALL  
OFFICE OF EMERGENCY MANAGEMENT



*OEM*

<http://oem.amarillo.gov/>

*2<sup>ND</sup> QUARTER*  
*FISCAL YEAR 2016*  
**QUARTERLY REPORT**

## City of Amarillo/Potter County Technical Progress Report

### Period Covered by this Report:

**From:** January 1, 2016

**To:** March 31, 2016

**Prepared by:** Brad Britten

**Date:** April 25, 2016

### Task One: General

1. Provide qualified personnel for appropriate level of security clearance to conduct those activities under the Grant that require a security clearance based upon a "need to know." Security clearances will be budgeted and funded with AIP funding.

*A point of contact for security clearances coordination has been established for each jurisdiction. The Amarillo/Potter/Randall Office of Emergency Management POC is Mr. Kevin Starbuck, CEM.*

2. Require individuals with security clearances to notify their Pantex Plant sponsor when they will be on site at Pantex, providing the date(s) and time(s).

*03/08/16 Technical Hazards Coordinator coordinated and attended the Pantex Site Orientation Tour for members of the Texas A&M University College of Veterinary Medicine Veterinary Emergency Team (VET). 6 member of the VET team attended.*

*03/23/16 Technical Hazards Coordinator coordinated and attended the Pantex Site Orientation Tour for members of the Texas A&M University College of Veterinary Medicine Veterinary Emergency Team (VET). 5 member of the VET team attended.*

*03/30/16 Technical Hazards Coordinator attended the initial Pantex Drill & Exercise Committee (PDEC) Meeting at the Pantex EOC.*

3. Require individuals with security clearances to be responsible for renewing their badges and keeping them current.

*No activity this quarter.*

4. Provide a brief position description for personnel who are partially or fully funded with AIP funds as part of the annual scope of work. Include the roles and responsibilities for each position funded, along with the percentage of time budgeted for AIP activities.

*Included in the annual scope of work. Note that the City of Amarillo Communications Technician (50% AIP) position has been filled as of February 3, 2016. Mr. Christian Frank was previously a Communications Technician within the City of Amarillo Radio Shop and transferred into this position.*

### Task Three: Emergency Management

1. When the Pantex Plant emergency management representatives brief on the changes/revisions for the Pantex Plant emergency planning documents, provide comments and consensus, as applicable. Maintain current copies of applicable Pantex Plant emergency planning documents provided to State and local governments.

*No activity this quarter.*

2. Once published, provide copies of applicable local governments' emergency plans and procedures documents related to the Pantex Plant to the PXSO.

*No activity this quarter.*

3. In coordination with Pantex Plant, design, schedule, conduct and evaluate periodic joint emergency exercises and drills. Maintain a three-year joint exercise and drill schedule and update it annually. Participate in such exercises and drills and provide full exercise participation at least every three years. Full exercise participation is defined as appropriate demonstration of multi-agency coordination system and incident command system response by AIP Task III members (TDEM, DPS, TDSHS, and local jurisdictions within the EPZ) to the extent required by the exercise scenario.

*Planning activities occurred in preparation of the December 2015 Reception Center drill.*

*1/29/15 OEM staff participated in a after action review of the December 2015 internal City of Amarillo Pantex Reception Center Drill at the Amarillo EOC.*

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4. Require personnel whose positions are funded at least 50% by the AIP to participate and support the Pantex annual exercise unless otherwise agreed to in writing by the PXSO Emergency Preparedness Program Manager.

*OEM staff attended all related meetings and activities.*

*The Siren Tech (50%) performed various maintenance and repair activities.*

5. Meet as needed with NNSA and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.

*1/07/16 Technical Hazards Coordinator participated in the Local Task III AIP Meeting at DPS Amarillo.*

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*2/03/16 Technical Hazards Coordinator and OEM Project Coordinator attended Local AIP Group Meeting in Amarillo to discuss upcoming Quarterly AIP Meeting.*

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*2/10-11/16 Technical Hazards Coordinator participated in the Quarterly AIP Meeting at DSHS Austin.*

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*3/02/16 Technical Hazards Coordinator participated in the Local Task III AIP Meeting at Carson County EOC in Panhandle.*

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- 03/8-10/16 *Technical Hazards Coordinator coordinated and meet with the Texas A&M University College of Veterinary Medicine Veterinary Emergency Team (VET) to discuss animal monitoring and decontamination at the Amarillo Reception Center. Site visits included the Pantex Plant, Tri-State Fairgrounds, and the Amarillo EOC.*
- 03/17/16 *Technical Hazards Coordinator met with City of Amarillo Animal Welfare & Management Director and staff to discuss changes to the proposed animal monitoring and decontamination plan for Reception Center operations.*
- 3/22-24/16 *Technical Hazards Coordinator coordinated and meet with the Texas A&M University College of Veterinary Medicine Veterinary Emergency Team (VET) to discuss animal monitoring and decontamination at the Amarillo Reception Center. Site visits included the Pantex Plant, Tri-State Fairgrounds, Regional Emergency Managers Meeting, and the Amarillo EOC.*
- 03/24/16 *Technical Hazards Coordinator, OEM Project Coordinator, and OEM Administrative Assistance attended and participated in the Regional Emergency Managers Meeting in Dumas.*
- 03/30/16 *Technical Hazards Coordinator attended and participated in the Pantex Drill & Exercise Committee (PDEC) Meeting at the Pantex EOC.*
- 03/31/16 *Technical Hazards Coordinator participated in a Local AIP Task IV Meeting at Randall County Sherriff's Office in Amarillo.*
- 03/31/16 *Technical Hazards Coordinator met with Armstrong County EMC to discuss transition of coordination of Armstrong County Emergency Management in the interim vacancy of the Armstrong County EMC.*
6. Participate in monthly notification, warning system, and communications testing with the Pantex Plant. In coordination with the Pantex Plant, evaluate the timeliness, accuracy and effectiveness of those activities.
- 01/25/16 *OEM acknowledged a Pantex Communicator test.*
- 01/27/16 *OEM acknowledged a Pantex Communicator test.*
- 01/27/16 *OEM & AECC responded to an e-mail notification of a drill from the Pantex Operations Center.*
- 02/22/16 *OEM acknowledged a Pantex Communicator test.*
- 02/29/16 *OEM & AECC responded to an e-mail notification of a drill from the Pantex Operations Center.*
- 03/17/16 *OEM & AECC acknowledged receipt of the Pantex Plant Operations Center e-mail notification test.*
- 03/22/16 *OEM & AECC acknowledged receipt of the Pantex Plant Operations Center e-mail notification test.*
- 03/22/16 *OEM acknowledged a Pantex Communicator test.*

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03/23/16 OEM acknowledged receipt of the Pantex Plant Operations Center e-mail notification test.

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03/24/16 OEM & AECC responded to an e-mail notification of a drill from the Pantex Operations Center.

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7. Request training on Pantex-related hazards and response protocols for local responders, as needed.

*No activity this quarter.*

8. Develop and disseminate public information focused on Pantex Plant hazards, public protective actions, warning systems, and emergency preparedness information to areas surrounding the Pantex Plant. Assist in creating and publishing an annual calendar each year on or before December 1<sup>st</sup> to be distributed to the public located within the Pantex EPZ. The annual calendar will provide pertinent emergency management and protective action information related to the Plant. This calendar will be compiled, edited and published under the direction of the local AIP organizations.

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1/07/16 Technical Hazards Coordinator participated in Pantex calendar labeling meeting at the Amarillo EOC.

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1/14/16 Technical Hazards Coordinator and OEM Administrative Assistant met with Highland Park Village to finalize addresses for delivery.

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1/22/16 Technical Hazards Coordinator, OEM Project Coordinator, and OEM Administrative Assistant deliver Pantex calendars to the residents of Amarillo College East Campus Housing and Highland Park.

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1/22/16 Remaining Pantex Calendars were mailed to residents in the 10-mile Pantex Emergency Planning Zone (EPZ).

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9. Coordinate with the Pantex Plant an emergency public information program to include coordination of emergency preparedness information and inclusion of State and local governments in the operation of a Joint Information Center (JIC).

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02/10/16 OEM received notification from Pantex of a scheduled JIC drill for 3/22/16 to be held at the Amarillo College Business & Industry Center

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3/22/16 Pantex JIC Drill at the Amarillo College Business & Industry Center. Public Information Officers from Amarillo Police Department and Amarillo Fire Department participated.

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10. Assist in the development and implementation of a local government-operated Reception Center for receipt of displaced families and individuals from a Pantex Plant Operational Emergency.

*The Reception Center is checked monthly for any issues.*

11. Provide certification to NNSA/PXSO by October 31<sup>st</sup> of each calendar year that the City of Amarillo has implemented and is fully compliant with the National Incident

Management System (NIMS) in accordance with the provisions of HSPD-5 and HSPD-8, and the Secretary of Homeland Security's Letter to the Governors dated September 8, 2004. If the required State and local government deadline to submit NIMS compliance information to the NIMS Compliance Assistance Support Tool (NIMSCAST) is moved beyond September 30<sup>th</sup> provide an interim status, followed by certification once requirements have been met by the new deadline.

*This jurisdiction is NIMS compliant. A letter from TDEM stating NIMS compliancy is on file with SECO.*

12. Provide support for establishment and maintenance of public warning systems in the Pantex Plant 10-mile EPZ. This will include coordination of testing and activation protocols with local governments, the Pantex Plant and the National Oceanic and Atmospheric Administration, National Weather Service.

*During this quarter a "quiet test" of the siren system was performed each Friday and a full 90 second test was performed on the last Friday of each month.*

13. Provide support for direction and control facilities, mobile command platforms and communication/data systems used in response to an incident at the Pantex Plant by State and local governments.

*Maintenance and updates were done according to the normal schedule.*

14. Coordinate appropriate Memorandums of Understanding (MOU), Memorandums of Agreement (MOA), or other agreements with the Pantex Plant and local governments for emergency response assets and capabilities that may be needed to support emergency operations at the Pantex Plant.

*MOU's with the Pantex Plant (DOE) are out of date. Amarillo/Potter/Randall Office of Emergency Management submitted draft MOUs to the DOE for consideration on August 31, 2015. Draft MOUs were also shared with Kyle Bräck on November 23, 2015 and Jerrie Coleman & Daniel Gleaves on January 7, 2016.*

15. In the event of an Operational Emergency at the Pantex Plant, ensure a timely, clear, accurate, and effective information exchange occurs between the State and local governments and the Pantex Plant. This includes receiving initial briefings and ongoing information sufficient for the protection of public health, safety and security, coordination of response, Emergency Operations Center (EOC) interfaces, public information activities, and logistical support.

*No activity this quarter.*

16. Other:

*No activity this quarter.*

FEBRUARY 11, 2016  
AGREEMENT IN PRINCIPLE  
QUARTERLY STATUS MEETING

- ☐ Agenda ☐
- ☐ Sign In Sheets ☐
- ☐ Meeting Notes ☐
- ☐ Presentations ☐



AGREEMENT IN PRINCIPLE  
 BETWEEN  
 THE STATE OF TEXAS  
 &  
 THE U.S. DEPARTMENT OF ENERGY  
 NATIONAL NUCLEAR SECURITY ADMINISTRATION  
 PANTEX SITE OFFICE



Quarterly Status Meeting  
 Texas Department of State Health Services  
 8407 Wall St, Room N102  
 Austin, TX 78754

Thursday, February 11, 2016

Agenda

<b>8:00am</b>	<b>Introductions</b>	Jerrie Coleman, NPO Patricia Walsh, NPO Roger Mulder, SECO
	<b>DOE Update</b>	Jerrie Coleman, NPO
	<ul style="list-style-type: none"> <li>• Status of Next 5 Year AIP &amp; Grant Agreement               <ul style="list-style-type: none"> <li>-Task IV Discussion</li> </ul> </li> <li>• Pantex FY17 Budget Projections</li> <li>• Security Clearance Updates</li> <li>• County Fire, EMS and EM MOU Update</li> <li>• Warning Siren Letter of Agreement</li> <li>• Pantex Response               <ul style="list-style-type: none"> <li>-DNFSB Reports</li> <li>-Enterprise Assessments</li> </ul> </li> </ul>	
	<b>Consolidated Nuclear Security (CNS) Update</b>	Daniel Gleaves, CNS Kyle Brack, CNS
	<ul style="list-style-type: none"> <li>• Pantex Operational Overview</li> <li>• Draft DNSFB Implementation Plan Status</li> <li>• Overview of EM Improvement at Pantex</li> <li>• Protective Action Recommendation Development</li> <li>• Plume Models and Communication Opportunities</li> <li>• Off-Site Field Monitoring/AIP Representative in EOC</li> </ul>	
	<b>SECO Update</b>	Roger Mulder, SECO Denise Brooks, SECO
	<b>Pantex Exercise Planning</b>	Kyle Brack, CNS AIP Participants
	<ul style="list-style-type: none"> <li>• January Exercises Recap</li> <li>• Upcoming Activities               <ul style="list-style-type: none"> <li>-JIC Drills</li> <li>-Pantex Alternate EOC Drills</li> </ul> </li> <li>• 3<sup>rd</sup> Quarter FY16 Exercise</li> <li>• August Full-Scale Exercises with Radiological Release               <ul style="list-style-type: none"> <li>-Off-site Participation</li> <li>-Reception Center</li> <li>-JIC</li> </ul> </li> <li>• Routine Monthly and Quarterly Notification Drills &amp; Exercises</li> </ul>	
	<b>Carson County Update</b>	Judge Looten, Carson County
	<b>Armstrong County Update</b>	Judge Reed, Armstrong County



AGREEMENT IN PRINCIPLE  
 BETWEEN  
 THE STATE OF TEXAS  
 &  
 THE U.S. DEPARTMENT OF ENERGY  
 NATIONAL NUCLEAR SECURITY ADMINISTRATION  
 PANTEX SITE OFFICE



**City of Amarillo Update**

Brad Britten, City of Amarillo

- Reception Center – Drill Identified Needs
- Alternate EOC – Randall County Fire Station
  - OEM Plan for Facility
  - DSHS Staging Area

**TDEM Update**

Josh Bryant, TDEM  
 Dee Dee Waldo, TDEM

- TDEM Training Opportunities & Needs for AIP Participants
- NIMS
- New TDEM Format for Pantex SOPs Update
- Status of Austin AIP Planner Hiring
- April 4-8, 2016 Texas Emergency Management Conference
  - AIP Meeting Opportunity

**DSHS Update**

Art Tucker, DSHS

- Old PCMs and Trailer in Austin
- Tool Checker Written Procedures
- Radiological Training Conducted
- Status of New FEMA Regulations for Warning Sirens around Nuclear Power Plants

**Pantex Area Emergency Preparedness Calendar**

Dee Dee Waldo, TDEM  
 Brenda Vermillion, Carson County  
 Craig Thomas, Armstrong County  
 Brad Britten, City of Amarillo

- 2017 Calendar Planning

**Recovery Topics**

**Agreement in Principle Appendix B**

Kyle Brack, CNS

Documents for Review, as Applicable or Current CNS

Document Containing the Content:

Review Quarter- 2<sup>nd</sup> Quarter

- EM-PLN-0019 Pantex Plant Hazardous Materials Programs Emergency Plan
- EM-PLN-0025 Mass Casualty Plan

Review Quarter- As Needed

- PLN-0015 Pantex Plant Spill Prevention, Control, and Countermeasures (SPCC) Plan and Resources and Resource Conservation and Recovery Act (RCRA) Contingency Plan, Volume 1 (5 Year Update)
- DeskAid-0099 Outdoor Warning system Activation
- ILLSTR-0024 Ten Mile Radius Emergency Planning Zone Map
- LIST-0059 Termination Criteria for Operational Emergencies Not Requiring Further Classification
- LIST-0060 Termination Criteria for Operational Emergencies Requiring Further Classification (ie., Alert, Site Area, General)
- PX-2247 Pantex Plant Emergency Notification Form
- PX-5521 Operations Center Emergency Response Checklist
- PX-5743 Outdoor Warning System Inspection Checklist

1:00

Adjourn

DATE	UPCOMING EVENTS
April 4-8, 2016	2016 Texas Emergency Management Conference, San Antonio

MEETING NOTES FROM  
THE QUARTERLY  
AGREEMENT IN PRINCIPLE  
MEETINGS  
BETWEEN  
U. S. DEPARTMENT OF ENERGY  
AND THE STATE OF TEXAS

Quarterly Status Meeting  
February 11, 2016

MEETING NOTES  
Quarterly Status Meeting  
Texas Department of State Health Services  
8407 Wall St, Room N102  
Austin, TX 78754  
Thursday, February 11, 2016

**I. Introductions**

**II. DOE Update**

*Jerrie Coleman*

- **Status of Next 5 Year AIP & Grant Agreement**

Chart of documents received and language for the agreement and Appendix B discussed. Daniel and Kyle explained their process for revision and review.

DOE is currently in the budget process, have not heard anything yet but do not expect any major changes. Congressman Thornberry has been very supportive in getting other Congressman out to the DOE sites to actually see the infrastructure

- **Task IV** – will be adding this task to the grant 2017 – 2021

First year \$1.2 million will be added and then \$250,000 each year following for the grant period. Personnel, weapons and ammunition will not be allowed to be funded and purchased. Expectations for law enforcement will be to participate in drills, training as needed and allow for better communication as a whole.

Denise will be sending out language to incorporate the law enforcement task into the agreement to everyone next week for review.

Everyone needs to send Denise a copy of their MOU with law enforcement. Denise will also need a proposal for funding over the next 5 years from each agency on purchases to be made; the money will be allocated accordingly.

- **Security Clearance Update**

Clearance process has been back logged due to the security breach. Brad Britten and Helen Watkins are both still waiting on their Q clearance. DSHS will be hiring a new planner and be requesting a Q clearance for that person.

Denise will work with Jerrie to get a list of all within the AIP that have a clearance, what level and when they expire.

- **MOU updates**

Jerrie is working with CNS to see where the process is on the MOUs and what needs to be done to complete the process. Amarillo is waiting on their agreement that has been sent to DOE, they added their siren agreement as an attachment to their MOU. Carson and Armstrong County both have their agreements update and complete.

**III. CNS Update**

*Daniel Gleaves & Kyle Brack*

- Pantex Operational Overview

- Daniel discussed the plant operational overview (see attachment)
- High Explosive Pressing Facility
  - Daniel discussed the facility (see attachment)
- Draft DNFSB Implementation Plan Status
  - Kyle discussed the DNFSB recommendations for Pantex. (see attachment)
  - DNFSB mission is to provide recommendations to the nuclear weapons facilities, they make site visits, review documents, etc....
  - Recommendation 2014-1 “Emergency Preparedness and Response”
  - Staff Issue Report 9/18/15 “Emergency Preparedness and Response at Savannah River Site”
  - Recommendation 2015-1 “Emergency Preparedness and Response at the Pantex Plant”
  - Recommendation 2015-1
    - Issued in 11/2015
    - Compiled from 2 staff reviews and 3 exercise observations
    - Published in the Federal Register
    - DOE formally accepted 2/3/2016
    - 90 days to submit Implementation Plan – May 2016
    - Projecting 1 year for implementation – May 2017
- Overview of EM Improvement at Pantex (see attached)
- Protective Action Recommendation Development
- Plume Models and Communication Opportunities
- Off-Site Field Monitoring/AIP Representatives in EOC
  - CNS wants begin work to incorporate a State representative in their EOC immediately. Jerrie stated that in the event something happens at the plant, information will not be withheld to those with appropriate authority to know.
  - Off-site field monitoring team is going to eliminate the 8 hour time lapse that will take DSHS to respond from Austin. DSHS and Pantex will have to work together to come up with an agreement to line out who does what and how. DOE and CNS both agree it should be an MOU between DSHS and the plant. Bob suggested it might go through TDEM?
  - Pantex will also have to look at current MOUs to see what language might needed to allow them access to landowners property to do monitoring in the event of an emergency.

#### **IV. SECO Update**

*Denise Brooks*

Funds must be spent by September 30, 2016

#### **V. Pantex Exercise Planning**

January exercise recap

March 22<sup>nd</sup> – JIC drill

May 10<sup>th</sup> - Carson County’s alternate EOC drill for Pantex

May 19<sup>th</sup> – Armstrong County alternate EOC drill for Pantex  
3<sup>rd</sup> Quarter no notice functional exercise focused on plant response  
August full scale exercise – possibly include reception center and JIC  
Monthly & Quarterly notification drills will continue – Daniel would like to have discussions on figuring out how to have one email address to send notification to instead of the 38 that is currently on their list. This is too many to keep up to date.  
EMInS – CNS currently in the process of working with Pantex cybersecurity on fully implementing it. CNS indicated they would like to test it during the August exercise but no guarantee.

**VI. Carson County Update**

Brenda received her advanced professional series certification, Brenda still serves as EMAT board member, Sheriff Brand has been certified as a trainer for active shooter incidents, she has several annexes ready to submit to commissioner’s court and then TDEM, and she has been working on their shelter plans following the December snow storm

**VII. Armstrong County Update**

Judge Reed’s father has been ill and he sends his apologies for not being here; Nathan McKee has been appointed as new sheriff and will be running for that office, will be working with AIP to pay for some expenses to Sheriff’s office/jail to meet jail standards, Craig is still working on the County’s reverse 911 system

**VIII. City of Amarillo Update**

Brad taught an ICS interface class in Carson County and about half of the class was Pantex employees; Held a drill for city staff at reception center and identified some needs for equipment, etc.... The PCMs will now be constantly running so they have an idea of how much the P10 gas is going to cost. They are working through the process to have those bottles refilled and possibly leasing some bottles to eliminate the lengthy turn around. TxA&M vet team is coming in March to work with City of Amarillo in their EOC on animal decontamination.  
Reception Center lease will expire in December 2018 and Denise is wondering if there needs to be a lease cost figured into the AIP. Brad has talked to them and agreed to do a pay per day use fee instead of a lease fee. So they will be only paying for the use just on the days they actually use it for exercises, drills, etc....  
Alternate EOC .....

**IX. TDEM Update**

May 10-11 G235 Advanced Planning in Amarillo  
TDEM will always coordinate training needs when the AIP group has any.  
Pantex SOP has been sent back to Josh from SOC and he will coordinate with DSHS on notification processes.  
AIP Austin Planner position has been posted  
AIP Quarterly meeting will be held at the TDEM conference in San Antonio; the AIP group did try to

Dee Dee will send out copy of the AIP Briefing book for everyone to review and update

**X. DSHS Update**

Old PCMs have been rebuilt and have gas to them and ready to go. Art hopes in the next 30 days they will have trailer ready to go and possibly use in the August exercise.

Radiological training was held in Amarillo and had a good attendance from firefighters.

Mike handed out the training classes they offer and can deliver to Amarillo area.

**XI. Pantex Area Emergency Preparedness Calendar**

Calendars were a bit delayed in going out due to winter weather. Brad is looking at the mail out in the area Highland Park, the calendars were being returned. He went out and hand delivered in that area and made contacts with those folks and they were very receptive.

The 2017 theme will be Palo Duro Canyon. Dee Dee spoke with photographer about pictures and she wants to continue to take them, however since we are unable to pay her for any travel expenses, Dee Dee will assist her with making trips to take them.

**XII. Recovery Topics**

Daniel brought some of the documents in Appendix B for the locals to take for review

Next Quarterly meeting will be in San Antonio at TDEM conference



**Draft DNFSB Implementation Plan Status  
AIP Quarterly Meeting  
February 11, 2016**

**Kyle Bräck**

[Kyle.brack@cns.doe.gov](mailto:Kyle.brack@cns.doe.gov)

Manager, Pantex Emergency Management  
Consolidated Nuclear Security, LLC

## Overview

### Defense Nuclear Facilities Safety Board (DNFSB)

- Operational since 1989, provides recommendations regarding DOE Defense Nuclear Facilities. Examples include:
  - Recommendation 2014-1, "Emergency Preparedness and Response"
  - Staff Issue Report 9/18/15, "Emergency Preparedness and Response at Savannah River Site"
  - Recommendation 2015-1, "Emergency Preparedness and Response at the Pantex Plant"

### Recommendation 2015-1

- Issued 11/24/2015 from DNFSB Chairman to Secretary of Energy
- Compiled from 2 staff reviews and 3 exercise observations; Oct 2012- Feb 2015
- Published in Federal Register
- DOE formally accepted 2/3/2016
- 90 days to submit Implementation Plan- May 2016
  - Collaborative effort between DOE and CNS
  - Conducting Causal Analysis
  - Includes Corrective Actions and Milestones
- Projecting 1 year for implementation- May 2017

## 2015-1 Recommendations

### Drills and Exercises

- Ensure the Pantex Plant drill and exercise programs comprehensively demonstrate proficiency in responding to emergencies for all hazards, all facilities, and all responders, consistent with the technical planning bases and any updates to them, in accordance with DOE Order 151.1C.

### Timely and accurate notifications and support

- Ensure timeliness and accuracy of notification to state and local authorities for off-site releases of radiological material.
- Provide consistent radiological monitoring support until state resources arrive and can assume responsibility for off-site radiological monitoring.

### Decision making tools and notification processes

- Evaluate the Emergency Action Level (EAL) process to reduce delays in determining and implementing protective actions

3

## Implementation Plan Approach

### General Approach

- Acknowledge the observations and recommendations
- Recognize existing initiatives
- Perform self-critical assessment

### Purpose and Background

- Improve emergency preparedness & response at Pantex
- Acknowledge understanding of recommendations and supporting analysis

### Underlying Causes

- Establishes why planned actions are appropriate
- Currently conducting series of causal analysis sessions

### Baseline Facts and Assumptions

- Technical, administrative, or legislative basis for implementation planning
- E.g. meeting currently existing requirements (DOE O 151.1C)

4

## Implementation Plan Approach (con't)

### Completed and Near Term Actions

- Key staffing positions filled
- Shared processes and tools across CNS Enterprise
- Conducting 17 program self-assessments
- Comprehensive revisions to Technical Planning Basis, implementing procedures

### Issue Resolution

- Formalizing drill and exercise planning committee
- 5-Year Exercise Schedule to incorporate risk rankings- hazards, facilities, responders
- Increased rigor for exercise critiques, feedback, lessons
- Promote common understanding; conduct briefings on process for developing and providing Protective Action Recommendations (PARs) and plume dispersion plots
- Revise and improve Initial Notification Form; incorporate into EMInS
- Implement Pantex ERO Off-site Field Monitoring Team
- Evaluate EALs- improve timeliness in implementing protective actions and PARs

### Milestones

- Establish actions, responsible owners, and timelines

### Organization and Management

- Develop technical products, provide validation and evidence of completion
- Actions tracked in CNS action tracking system
- Progress reports



**Protective Action Recommendations &  
Plume Models and Communication  
AIP Quarterly Meeting  
February 11, 2016**

**Kyle Bräck**

[Kyle.brack@cns.doe.gov](mailto:Kyle.brack@cns.doe.gov)

Manager, Pantex Emergency Management  
Consolidated Nuclear Security, LLC

## Protective Action Recommendation (PAR) Development

- Initial PARs
- Modified PARs
- Pantex can implement protective actions on-site
- Pantex can only recommend protective actions beyond Pantex's boundaries
- State (county) authorities may choose to accept the recommendation

## **Initial Hazardous Material Protective Actions are based upon the EPHA**

- They may need to be expanded and need to cover an even bigger area than the initial recommendation
- Initial Protective Action Recommendations are conservative but not the absolute worst possible case

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## **Modified PARs**

- Most of the time, the Initial PAR will cover a larger area than the release could affect
  - Material amounts
  - Weather conditions
- Pantex will be able to identify the affected area as smaller and communicate a modified PAR
- There are a few extreme or severe events where we will need to extend to a bigger PAR area
- The PAR will change with time . . . For example shelter until after the plume passes and then evacuate to the reception center

## **Communicating PARs**

- **Initial PARs - PSS's initial emergency notification and PX-2247**
  - **Emergency Classification changes also get a PX-2247 and the PSS uses the same process (for consistency)**
  - **Other PAR changes are communicated by the Offsite Liaison pathway**
- 

## **Changes in communicating PARs**

- **Pantex replaced fax machines with e-mail to transmit PARs in addition to the phone calls**
  - **Further improvements are expected with full implementation of the EMInS**
  - **Adding a State representative to the Pantex EOC may improve the quality of PAR communication**
-

## Plume Models and Communication Opportunities

### Steps

1. **PSS Recognizes the event declares the emergency**
  2. **CAT arrives (this can be a big step)**
  3. **CAT gathers information**
  4. **CAT models the event**
  5. **CAT submits the model results**
  6. **Executives (NPO and CNS approve the model results for transmission off-site**
  7. **Classification reviews the transmission**
  8. **Off Site Liaisons actually deliver the Consequence Information off site**
- 

## CAT Team Improvements

- **Consequence Assessment Team Practicing**
    - Faster simpler models to get answers out faster than the slower more advanced model
  - **Pantex is also making worksheets to help a modeler gather the data that goes into the models**
    - With pre-reviewed information that makes it easier to review and send
-

## Displaying Information



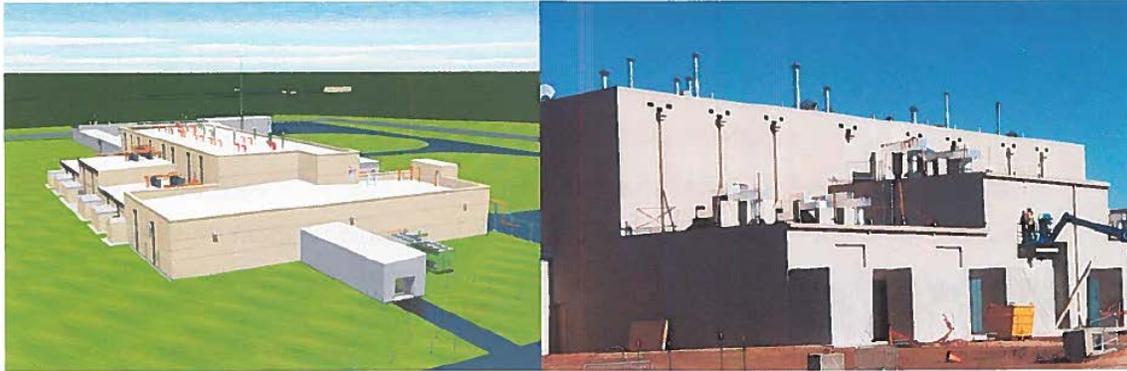
Pantex is standardizing some of the ways that we display our models so we can hide sensitive information about the site while showing information you need to make emergency decisions

E.g., We can blank out the site on a map

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## Improvements

- E-mail of maps is much clearer than faxing
  - The Offsite Liaisons have NARAC accounts and can display modeling with a customizable view for you
  - Further improvements are expected with full implementation of the EMInS
  - Adding a State representative to the Pantex EOC may improve the quality of communication for modeling results
-



**High Explosives Pressing Facility  
AIP Quarterly Meeting  
February 11, 2016**

**Daniel Gleaves**  
[Daniel.gleaves@cns.doe.gov](mailto:Daniel.gleaves@cns.doe.gov)

Pantex Emergency Services Director  
Consolidated Nuclear Security, LLC

This document has been reviewed by a Pantex Plant  
DC/UCN-RO and has been determined to be  
UNCLASSIFIED and contains no UCN or OUC. This review  
does not constitute clearance for Public Release.  
Name: R. A. Barr, CNS PK CO Date: December 16, 2015

## High Explosives Pressing Facility – Mission Benefit

- High Explosives Pressing Facility (HEPF) will produce all future main charge and mock explosives for all weapons systems in the nuclear stockpile
- Eliminates the current single point failure for war reserve HE pressing for NNSA
- Approximately twice the increases in throughput of main charges and mock explosives with the same number of personnel
- Capability of concurrent, independent pressing operations for CHE and IHE
- Consolidates high explosives operations from eight different facilities into one 42,800 square foot facility
  - Pressing, rough cut machining, x-ray, density, dye penetrant, powder staging, powder heating, as-pressed hemisphere staging
  - Frees up usable operational and storage space in six of the eight facilities
- Will save \$97M in transportation costs alone over the 70 year life of the facility
- Will reduce overall maintenance and repair cost to Pantex

## High Explosives Pressing Facility – Pantex Benefit

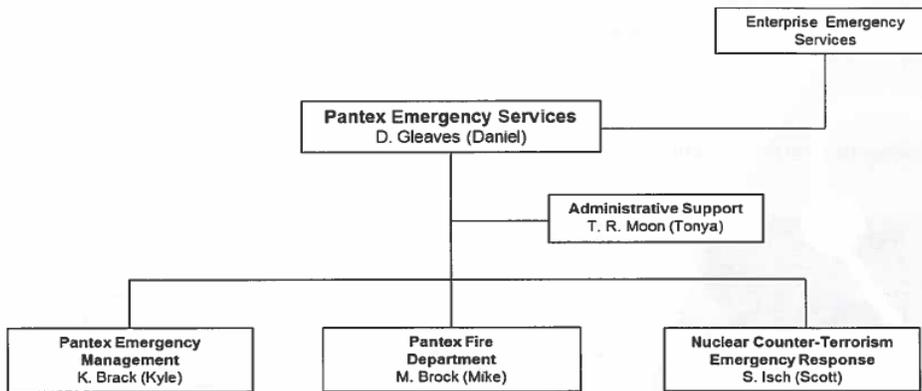
- Pantex Pressing Technicians and Engineers designed the facility layout to optimize their work flows and processes
- Safety margins are much higher than existing processes due to facility siting, design, and construction as well as less HE transportation and handling required
- Pantex staff will relocate to much improved work space. (Current pressing facilities are 73 and 45 years old respectively)
- HEPF will be easier to service and maintain with less demands on Maintenance Shops
  - Current pressing facility has only been operational 24% of the fiscal year to-date
- Much fewer Zone-to-Zone material moves and much shorter transportation routes
  - HE window will not be required for moves into HEPF



**Overview of ES Improvement at Pantex  
AIP Quarterly Meeting  
February 11, 2016**

**Daniel Gleaves**  
[daniel.gleaves@cns.doe.gov](mailto:daniel.gleaves@cns.doe.gov)  
 Director, Pantex Emergency Services  
 Consolidated Nuclear Security, LLC

## Organizational Structure



## Mission and Strategy

### Mission

- Remain continuously prepared to support an effective and efficient response to abnormal events, operational emergencies, and requests for emergency assistance so that appropriate measures are taken to protect workers, the public, the environment, and national security
- Protect the national assets, personnel and facilities at Pantex through prevention and preparedness programs and superior emergency response

### CNS Enterprise Emergency Management Strategy

- Create a comprehensive, effective, and self-sustaining emergency management system across the CNS Enterprise

### Desired end state:

- A unified CNS program consisting of shared technologies, common processes and procedures, and shared people
- Joint CNS response in which:
  - Both sites have situational awareness
  - Primary Emergency Operations Center (EOC) remains at the impacted site
  - Secondary site supplements with resources

3

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## Responsibilities

### Provide and Maintain Emergency Response Capabilities

- Radiological
- Safeguards and Security
- Fire
- Wildland Fire
- Emergency Medical
- Hazmat
- Rescue
- Incident Command
- Emergency Response Organization
- Emergency Operations Center
- Media Center
- Joint Information Center
- Emergency Radiation Treatment Facility
- Nuclear Counter-Terrorism Emergency

4

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## Responsibilities

### Monitor Plant Safety Window

- Operations and Safety Systems Monitoring (24/7)
- Initiate response to any degradation of safety
- Coordinate response to abnormal/unplanned events/conditions
- Make initial and follow-up emergency notifications
- Implement protective actions and communicate protective action recommendations
- Emergency Services Dispatch Center (24/7)
- Monitor the fire and emergency medical services (EMS) radio, telephone systems, and fire alarm systems
- Dispatch the Fire Department for fire alarms, EMS requests, hazardous material incidents/spills, and mutual aid (fire and EMS) requests
- Monitor the High Pressure Fire Loop (HPFL)

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## Responsibilities

### Prepare for Emergencies

#### Emergency Management Program

- Continuity Programs
- Emergency Planning & Preparedness
  - Maintain comprehensive training and drills program
  - Conduct exercises to validate emergency management program elements
- Readiness Assurance
  - Self-assessments and Performance Indicators
  - Exercise evaluations
  - Corrective actions
  - Lessons learned

#### Nuclear Counter-Terrorism Emergency Response

- Maintain DOE National Assets – Radiological Assistance Program (RAP), Accident Response Group (ARG), Joint Technical Operations Team (JTOT) for 24/7 deployment
- Prepare outside organizations for response through Subject Matter Expert (SME) training

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## Improvement Actions to Date

### CNS Staffing Accomplishments

- Key Emergency Services management positions have been filled
  - Senior Director of Enterprise Emergency Services – May 2015
  - Director of Pantex Emergency Services – July 2015
  - Manager of Pantex Emergency Management Program – August 2015
  - Filled critical positions within Emergency Management to include – 2 Technical Planning Basis Personnel, 2 Training and Drills Personnel, 3 Plant Shift Superintendents
  - Executing Staff Augmentation Contract with specific goal of complete revision of Technical Planning Basis (EPHS, EPHA, EALs)

### CNS Shared Processes

- A common operational excellence model has been established for Emergency Management
  - Plans, procedures, guides and operator aids will be uniformly developed to ensure consistent implementation of requirements – Leveraging Y-12 success at Pantex
  - Implementation at Pantex scheduled completion of July 2016
- Integrated Emergency Management drills and exercise process is being established to leverage resources needed to improve proficiency of responders and conduct of exercise
  - Exercise Builder process and software has been implemented at Y-12 and Pantex
  - Appropriate number of exercises will be conducted at Pantex – 3 scheduled for FY16
  - Common procedures will be utilized for exercise planning and conduct

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## Improvement Actions to Date

### CNS Shared Staffing

- Y-12 and Pantex exercise coordinators revised Pantex exercise evaluation guides (EEGs) to include site specific criteria improving evaluation and validation of emergency management program requirements
- Y-12 and Pantex Emergency Management and Fire Department personnel have provided exercise support to each other as exercise controllers/evaluators during FY 2015 – 2016 full-scale emergency response exercises and drills
- Y-12 Communications & Public Affairs has provided personnel, process, and training to Pantex to rebuild the Emergency Public Information program and to enhance ability to provide timely information to off-site partners and media

### CNS Shared Technologies

- A suite of Emergency Management technologies is being integrated to enable a common operational approach at both sites. Reciprocal situational awareness will facilitate a joint response to emergency events if required.
  - Notification capabilities combined into a single contract for the hosted Communicator NXT system – Completed October 1, 2015
  - Emergency Management Information System (EMInS) developed at Y-12 customized for Pantex, installed, and fully functional – Completed December 4, 2015
  - Off-sites will have access to Need to Know Information through EMInS - estimated FY 2016 3rd Quarter
  - Geographical Information System (GIS) capabilities developed at Y-12 will be customized, installed, and available at Pantex – estimated FY 2016 3rd Quarter

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## Improvement Actions to Date

### Significant Improvements

- Successfully completed August 2015 site-wide full-scale exercise
  - Fully integrated on-site and off-site response
  - Multiple event scenarios affecting multiple facilities
  - Exercised responses to multiple security events and chemical release
  - Noticeable improvements in on-site and off-site communications, consequence assessment, and emergency public information
  - Recognized self-critical control and evaluation organization
- Expanded drills/exercise program
  - Incorporated training into drills
  - Drill individual elements to meet an all hazards, all responders, all facilities approach
  - Developed exercise schedule to include 3 exercises in FY16 to demonstrate proficiency
  - Refined evaluation criteria to allow for increased ability to evaluate exercises
  - Driving consistency within and across the ERO cadre
- Enhanced training program
  - Leveraging national resources
  - Building cohesion by training across teams
  - Incorporating lessons learned into the training
- Laser-focus on continuous improvements
  - Being self-critical and identifying and fixing our own weaknesses
  - Project controls based plan focusing on process based program
  - Utilizing best business practices at Y-12 and Pantex as baseline
  - Welcoming expert assessments that help make the program stronger

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## Ongoing Actions

### Continuous Improvement

- Developed CNS Emergency Management Improvement P6 Schedule
  - Includes Emergency Plan Implementing Procedures revision encompassing all elements of DOE O 151.1C driving consistency across CNS – July 2016
  - Validating all internal and external findings received to verify effective closure – July 2016
  - Process improvements at both Pantex and Y-12 increased ERO sustainability, improved timely and accurate notifications, development of sustainable Incident Command model at Pantex, increased participation of ERO, and development of path-forward for timely consequence assessment validation – July 2016
  - Includes schedule for complete revision of Technical Planning Basis documentation
    - Separation of Emergency Planning Hazards Survey, Emergency Planning Hazards Assessment, and Emergency Action Levels into Zone specific documents
    - Incorporation of needed corrective actions that will result in more timely decision making and assessment
    - Completion is scheduled for FY17 with focus and earlier completion on high hazards areas
- Respond to DNSFB Recommendation 2015-1
  - Developing an Implementation Plan to identify corrective actions
  - Track all actions to completion
  - Estimated completion of actions – May 2016
- Focus on Performance Excellence, Continuous Improvement, and Development of Best in Class program

10



**Pantex Operational Overview  
AIP Quarterly Meeting  
February 11, 2016**

**Daniel Gleaves**  
[daniel.gleaves@cns.doe.gov](mailto:daniel.gleaves@cns.doe.gov)  
 Director, Pantex Emergency Services  
 Consolidated Nuclear Security, LLC

# ONE Vision

The model of enterprise performance excellence for the Nuclear Security Enterprise

Absolutes



Safety



Security



Mission Delivery



Quality



Cost Efficiency

Key Values



Integrity



Trust

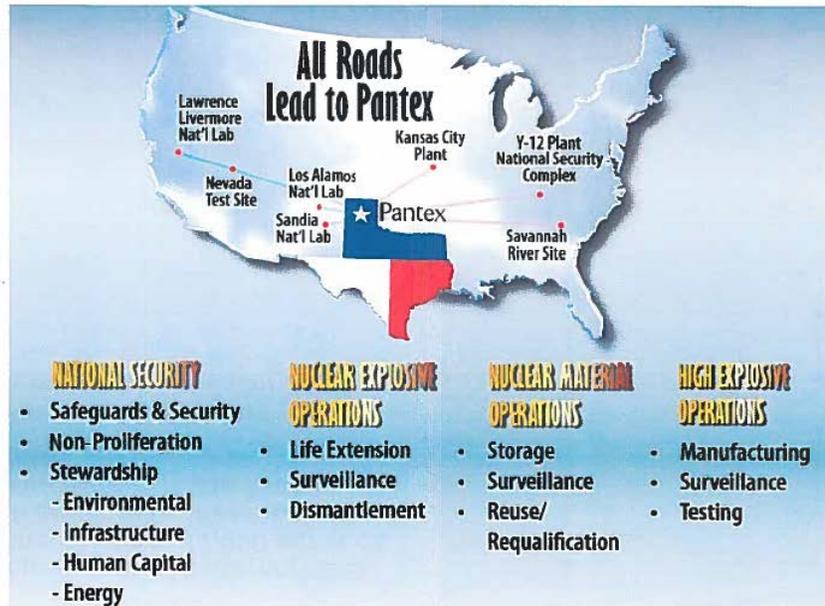


Respect



Teamwork

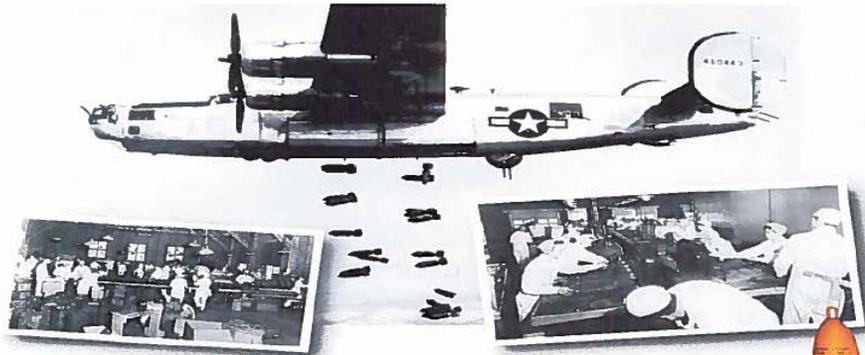
# Pantex Missions



- The Department of Energy (DOE) owns the northern 12,000 acres of the site and leases the remaining 6,000 acres from Texas Tech University
- Most Plant operations are conducted on about 2,000 acres



## A Proud History of Service to Our Nation



**1942** – Last of 14 bomb-loading plants constructed during WWII. Produced 250 and 500 Pound Bombs during WWII. Peak Employment 5,254 (60% female).

**1945** – Pantex Closed

**1947** – Texas Technological College established agricultural research farm.

**1951** – Pantex recaptured by the AEC and refurbished by Mason & Hanger for nuclear

weapons work.

**1951** – Proctor and Gamble Defense Corporation named operating contractor.

**1956** – Mason and Hanger became second operating contractor.

**1990's** – Mission Shift

**2001** – BWXT Pantex assumed Management.

**2014** – CNS assumes Management.



## Plant Priorities

- **Absolutes – Safety, Security, Mission Delivery, Quality, and Cost Efficiency**
- **Building a strong Safety Culture**
- **Protection of National Assets**
- **Delivery of high quality products and services**
- **Maintenance of Critical and Important to Safety and Security Systems**

## Pantex Missions – Today

- **Stockpile Stewardship**
  - Evaluate, retrofit, and repair weapons in support of life extension programs and certification of weapon safety and reliability
  - Develop, test, and fabricate high explosive components
- **Nonproliferation**
  - Dismantlement of nuclear weapons retired from the stockpile
  - Provide interim storage and surveillance of plutonium components
  - Sanitize components from dismantled weapons
- **Safeguards and Security**
  - Protect plant personnel, facilities, material and information
- **Environmental Restoration**



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Consolidated Nuclear Security, LLC

## Weapons Assembly

Joint Test Assemblies

Test Beds

Modifications

Repairs

Surveillance Rebuilds



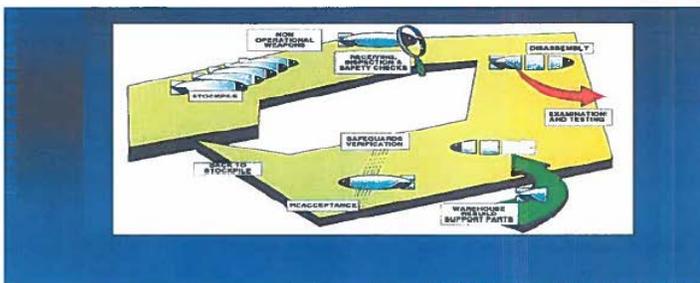
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## Weapons Disassembly



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## Weapons Maintenance, Modification, and Evaluation



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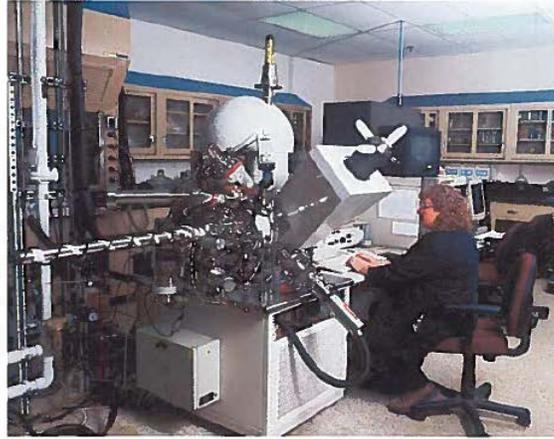
## Fabrication of High Explosives

Research

Development

Fabrication

Testing



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## Sanitization of Components

Removal of Classified/Sensitive  
Information and Proliferation Concerns



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Consolidated Nuclear Security, LLC

## Sandia Weapons Evaluation Test Lab (WETL)

The WETL provides surveillance test data that supports annual reliability assessments in addition to Joint Test Assemblies (JTAs)

### Tests performed at the Pantex Plant

- Weapon stimulus
- Battery information
- Stronglink information
- Detonator information
- Neutron Generator information
- Profile information



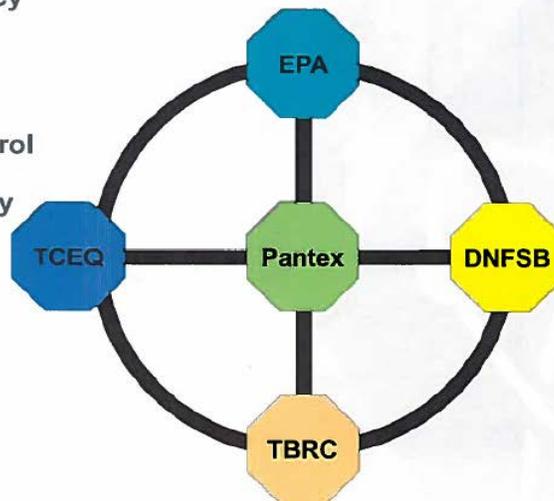
## External Oversight

Environmental Protection Agency

Texas Commission on  
Environmental Quality

Texas Bureau of Radiation Control

Defense Nuclear Facilities Safety  
Board



State and Local Governments AIP Meeting

Texas Department of State Health Services  
8407 Wall St, Room N102  
Austin, TX 78754

Wednesday, February 10, 2016

	NAME	Organization	Phone #	E-mail
1.	Douglas P. Trout	Consolidated Newr. SEC	865-574-4507	TRout@pp@y12.DOE.GOV
2.	DEE DE WALDO	TXDPS/TDEM	806-468-1417	deedee.waldo@dps.texas.gov
3.	Craig Thomas	Houston Co.	806-226-3651	craigtom@emc@co.armstrong.tx.us
4.	Brad Britten	Amarillo/Foster/Randall OEM	806-683-4881	brad.britten@amarillo.gov
5.	Daniel Gleaves	CNS	806-477-3815	dgleaves@pantex.com
6.	Dan Luten	Carson Co	806-282-4132	dwluten@co.carson.tx.us
7.	Denise Brooks	SECO	972/575-8596	denise.brooks@cpa.texas.gov
8.	Laura Bailey	CNS	806-477-3794	lbailey@pantex.com
9.	Jerrie Coleman	NPO	806-477-3387	Jerrie.Coleman@NPO.DOE.GOV
10.	Mike Rutherford	DSHS	512/834-6770	mike.rutherford@dshs.state.tx.us
11.	Kyle Brack	CNS Pantex	806 477 6484	kbrack@pantex.com
12.	Brenda Vannella	Carson CO	806-557-5325	carsonemc@co.carson.tx.
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15.				

State and Local Governments AIP Meeting

Texas Department of State Health Services  
8407 Wall St, Room N102  
Austin, TX 78754

Wednesday, February 10, 2016

	NAME	Organization	Phone #	E-mail
1.	Roger Mulden	SECO	512 463 1866	Roger.Mulden@cpa.texas.gov
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Quarterly Status Meeting  
Texas Department of State Health Services  
8407 Wall St, Room N102  
Austin, TX 78754  
Thursday, February 11, 2016

	NAME	Organization	Phone #	E-mail
1.	Roger Mulder	SECO	512 463 1866	Roger.Mulder@cpa.texas.gov
2.	Joe Minshew	TDEM	806 316 7632	joseph.m.minshew@dps.texas.gov
3.	Jerrie Coleman	NPO - Pantex	806 477 3387	Jerrie.Coleman@NPO.DOE.GOV
4.	Douglas P. Trout	Unsolidified Nuclear Sec	865-574-4507	TroutDP@y12.DOE.GOV
5.	Mike Rutherford	DSHS	512 834 6770	mike.rutherford@dshs.state.tx.us
6.	Glenn Carbin	DSHS	512 834 6770	glenn.carbin@dshs.state.tx.us
7.	Art Tucker	" "	" "	art.tucker@dshs.texas.gov
8.	Bob Free	DSHS	" " X 9022	robert.free@dshs.state.tx.us
9.	Chris Moore	DSHS	" " X 2019	CHRIS.MOORE@dshs.state.tx.us
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	NAME	Organization	Phone #	E-mail
1.	DEE DEE WALDO	TXDPS/TDEM	806-468-1417	deedee.waldo@dps.texas.gov
2.	Denise Brooks	SECO	972/575-8596	denise.brooks@cpa.texas.gov
3.	Laura Bailey	CNS	806-477-3794	lbailey@pantex.com
4.	Brad Britten	Amarillo/Potter/Randa/NOEM	806-683-5881	brad.britten@amarillo.gov
5.	Joshua Bryant	TXDPS/TDEM	512-641-4258	joshua.bryant@dps.texas.gov
6.	Daniel Gleaves	CNS Pantex	806-477-3515	dgleaves@pantex.com
7.	Kyle Brack	CNS Pantex	512 948 1082	Kbrack@pantex.com
8.	Brenda Vermillion	Carson Co. EMC	806-537-8395	carsonemc@co.carson.tx.us
9.	Daniel Loker	Carson Co. Judge	806 537 3622	daniel.loker@co.carson.tx.us
10.	Craig Thomas	Armstrong Co. EMC	806-226-3657	armstrongemc@co.armstrong.tx.us
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