
Agreement in Principle

THE STATE OF TEXAS

GRANT NO. DE-FG04-90AL65780



QUARTERLY REPORT

3RD QUARTER

FISCAL YEAR 2001

APRIL 1, 2001 - JUNE 30, 2001



COMPTROLLER OF PUBLIC ACCOUNTS

P.O. BOX 13528
AUSTIN, TX 78711-3528

AGREEMENT IN PRINCIPLE

U.S. DEPARTMENT OF ENERGY
AND
THE STATE OF TEXAS

QUARTERLY REPORT

April 1, 2000 Through June 30, 2000

The State Energy Conservation Office (SECO) has compiled this report for the third quarter of Fiscal Year 2001. SECO's activities included coordinating the Agreement in Principle (AIP) activities, participating in appropriate meetings and reviewing vouchers to ensure that expenditures of the program's funds comply with the appropriate federal and state regulations.

A new AIP, and a Memorandum of Understanding between the State of Texas and the U.S. Department of Energy, are now in place. SECO is also in the process of executing contracts with all of the AIP participants.

The following page contains the actual expenses for each agency and local government that we have to date. Please note that some participants have estimated their expenses through the end of the quarter and thus their figures, listed as projections, may differ from the actual expenses found on the next page.

Next up are the individual reports, detailing the work they've accomplished in the various tasks.

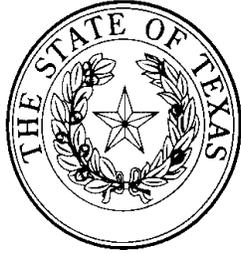
If there are any questions, please write or call Roger Mulder at 512/463-1866 or send an e-mail to Roger.Mulder@cpa.state.tx.us.

AGREEMENT IN PRINCIPLE
 BUDGETS AND EXPENDITURES
 for the period
 April 1, 2001 through June 30, 2001

AGENCY	FFY01 BUDGET	ACTUAL & PROJECTED EXPENDITURES		TOTAL EXPENDITURES	FFY01 BALANCE
		Defense Programs	Environmental Management		
State Energy Conservation Office	\$150,920.00	\$101,821.57		\$101,821.57	\$49,098.43
Texas Natural Resource Conservation Commission	\$500,000.00		\$280,625.80	\$280,625.80	\$219,374.20
Texas Department of Health	\$290,500.00	\$57,871.48		\$157,871.48	\$132,628.52
Texas Department of Public Safety	\$165,500.00	\$112,900.50		\$112,900.50	\$52,599.50
City of Amarillo	\$47,080.00	\$24,452.40		\$24,452.40	\$22,627.60
Armstrong County	\$12,000.00	\$10,374.26		\$10,374.26	\$1,625.74
Carson County	\$14,000.00	\$3,199.26		\$3,199.26	\$10,800.74
Bureau of Economic Geology	\$90,000.00	\$9,890.00	\$18,435.83	\$28,325.83	\$61,674.17
Office of the Attorney General	\$15,000.00	\$11,250.00		\$11,250.00	\$3,750.00
TOTAL	\$1,285,000.00	\$431,759.47	\$299,061.63	\$730,821.10	\$554,178.90
BUDGET BY DOE PROGRAM		\$725,000.00	\$560,000.00		
FUNDS AVAILABLE BY DOE PROGRAM		\$293,240.53	\$260,938.37		

* Estimate

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QUARTERLY REPORT

**TEXAS NATURAL
RESOURCE CONSERVATION
COMMISSION**

**TEXAS DEPARTMENT
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**TEXAS DEPARTMENT
OF PUBLIC SAFETY**

CITY OF AMARILLO

ARMSTRONG COUNTY

CARSON COUNTY

**THE UNIVERSITY OF
TEXAS AT AUSTIN**

**OFFICE OF THE
ATTORNEY GENERAL**

**TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION**

**AGREEMENT IN PRINCIPLE
QUARTERLY REPORT**

***THIRD QUARTER
FISCAL YEAR 2001
APRIL 2001 - JUNE 2001***

Agreement-in-Principle Quarterly Report

Texas Natural Resource Conservation Commission

April - June 2001

Scope of Work/Objectives:

1. **Remediation Division** - The Remediation Division of the Office of Permitting, Remediation and Registration is required to implement an oversight environmental restoration program at the Pantex Nuclear Weapons facility in Amarillo, Texas and provide environmental restoration oversight to comply with the RCRA Permit and rules. Tasks to be accomplished as per the Agreement-In-Principle (AIP) are:
 - ☞ Provide expedited administrative oversight to the Department of Energy (DOE)-Pantex for environmental restoration projects;
 - ☞ Review, evaluate, and comment on DOE-Pantex's corrective action work plans/reports and data compilations related to the Environmental Restoration Program;
 - ☞ Participate in DOE, Texas Natural Resource Conservation Commission (TNRCC) or Agreement-In-Principle (AIP) sponsored meetings to discuss state oversight activities at DOE-Pantex. Provide appropriate information in public meetings to inform and/or educate the citizens regarding the RCRA Permitting documents, restoration activities and procedures; and,
 - ☞ Participate in TNRCC/DOE Environmental Restoration review conferences, public meetings and hearings, and other technical meetings and conferences, as necessary, to fulfill ongoing project objectives.

2. **Field Operations Division** - The Field Operations Division of the Office of Compliance and Enforcement is required to implement an environmental compliance program at the Pantex Nuclear Weapons facility in Amarillo, Texas and provide for independent evaluation of environmental monitoring data. Tasks to be accomplished as per the AIP are:
 - ☞ Sample domestic wells or public drinking water systems, as necessary, in the vicinity of Pantex. For any systems that are determined to be potentially affected by plant operations, the State, in cooperation with DOE, will develop a program for frequency of sampling and analysis;
 - ☞ Review quarterly compilations of environmental data;
 - ☞ Coordinate and participate in public meetings to discuss state oversight, provide updated groundwater monitoring reports, and respond to public concerns about Pantex;

- ☞☞ Co-monitor Pantex's groundwater for volatile organic compounds, semi-volatile organic compounds, heavy metals, high explosives, and general water chemistry analytes; and,
- ☞☞ Perform an independent evaluation of environmental monitoring data collected by the Department of Energy (DOE).

3. Monitoring Operations Division - The Monitoring Operations Division of the Office of Compliance and Enforcement is required to implement an environmental monitoring program at the Pantex Nuclear Weapons facility in Amarillo, Texas. The objective is to operate an ambient air monitoring program at Pantex to measure air emissions from Pantex activities. The program includes an air monitoring network in the vicinity of Pantex; an operation and maintenance program for the monitoring equipment; a program to analyze the air monitoring data; and an independent evaluation of the environmental monitoring and emissions data collected by the Pantex facility. Tasks to be accomplished in accordance with the AIP are:

- ☞☞ Chemical contaminant inventory and assessment for constituents released to the air;
- ☞☞ Ambient air monitoring for non- radiological pollutants; and,
- ☞☞ Independent evaluation of environmental monitoring data submitted by the Department of Energy (DOE).

4. Toxicology and Risk Assessment Section

- ☞☞ Perform a toxicological evaluation of the monitoring data from the DOE-Pantex facility, which is collected and reported on a routine basis in accordance with the RCRA Permit;
- ☞☞ Participate in DOE, TNRCC or AIP sponsored public meetings to discuss environmental risk at DOE-Pantex for constituents of potential concern;
- ☞☞ Provide toxicological information to the public regarding DOE-Pantex related activities;
- ☞☞ Review and interpret the potential public health implications of additional information or results of additional environmental sampling at the DOE-Pantex facility; and,
- ☞☞ Assist in the establishment of health-based protective levels for use in evaluating monitoring data.

5. Legal Division - The Legal Division provides support to the TNRCC to ensure that all

hazardous, radiological and mixed wastes identified on-site are managed in accordance with all state and federal solid waste regulations including the RCRA permit requirements. Tasks to be accomplished in accordance with the AIP are:

- ✍✍ Review Memoranda of Agreement between the TNRCC, the Environmental Protection Agency, and/or the Department of Energy; and,
- ✍✍ Participate in public outreach meetings to assist in answering legal and procedural questions.

Accomplishments, Program Changes and Significant Issues:

1. Remediation Division

- ✍✍ Attended and participated in one public meeting regarding the environmental restoration activities at DOE-Pantex during the reporting period;
- ✍✍ Attended three (3) pre-submittal Compliance Plan application meetings;
- ✍✍ Participated in three (3) Agreement-In-Principle meetings: two stakeholder meetings in Albuquerque and one quarterly meeting in Amarillo.
- ✍✍ Participated in seven (7) technical meetings between DOE and EPA regarding the Environmental Restoration Program during the reporting period
- ✍✍ Participated in one (1) visualization meeting and expedited the review of nine critical decision-making documents requested by DOE to develop the Scope of Work for their RCRA Facility Investigations;
- ✍✍ Coordinated two (2) TNRCC internal meetings on May 17th and 23rd to discuss AIP funding, status of projects, etc.
- ✍✍ Attended a “Pantex Core Team Concept” training seminar to support the Pantex project.
- ✍✍ Participated in teleconferences held biweekly to discuss the status of the Environmental Restoration Projects.
- ✍✍ Attended two (2) Pantex Plant Citizens Advisory Board (PPCAB) meetings during the reporting period and gave a presentation to the PPCAB Environmental Task Force.

2. Field Operations Division

- ✍✍ Continued to work on draft(s) of the Quality Assurance Project Plan for the

groundwater monitoring program;

- ✍✍ Hosted quarterly Agreement-in-Principle meeting held in the Region 1 office;
- ✍✍ Attended internal agency Agreement-in-Principle meeting held in the Austin central office;
- ✍✍ Hosted quarterly citizen's meeting in the Region 1 office;
- ✍✍ TNRCC/DOE co-hosted two round table public meetings with concerned citizens;
- ✍✍ Attended two PPCAB scheduled meetings;
- ✍✍ Attended PPCAB environmental task force committee meetings;
- ✍✍ Attended technical meetings at Pantex regarding the hazardous waste permit, the compliance plan and other pertinent issues;
- ✍✍ Conducted groundwater sampling for scheduled quarterly sampling and special requests for sampling by Pantex, which took place from April 30 - June 20, 2001;
- ✍✍ Contracted with Severn Trent Laboratories to analyze Pantex quarterly monitoring samples for explosives;
- ✍✍ Coordinated Pantex tour for the Agency laboratory personnel and Region 1 staff;
- ✍✍ Received training and began reducing backlog of data validation for samples collected by the Region at Pantex; and,
- ✍✍ Hired and continued training new field investigator, Kevin Rutledge, to assist in the Pantex project.

3. Monitoring Operations Division

- ✍✍ Six sets of PM10 and volatile organic compound samples were collected and analyzed from the two TNRCC monitoring sites at Pantex during this quarter. Additionally one set of quality assurance samples were collected during this period. Total non-methane organic compound (TNMOC) data were collected at Site #7 using Model 55 TNMOC monitor. However, until we are able to establish a triggering mechanism to take canister samples when the TNMOC concentration reaches a specified level, the significance of the TNMOC levels cannot be evaluated. The equipment has been ordered and we hope to establish this triggering mechanism in the near future;
- ✍✍ Most of the volatile organic compounds were detected below quantitation limits and the PM10 concentrations were below the National Ambient Air Quality Standard. The highest PM10 concentration was recorded at 31 micrograms per cubic meter at Site #4 and Site #5 as compared to the National Ambient Air

Quality Standard of 150 micrograms per cubic meter. The total non-methane organic compound data and the meteorological data are available real time on the TNRCC web page, [http://www.tnrcc.state.tx.us/cgi-bin/monops/daily summary](http://www.tnrcc.state.tx.us/cgi-bin/monops/daily_summary);

- ✍✍ The first quarter 2001 data submitted by Pantex from their monitoring site was reviewed and all concentrations reported were below their respective ESLs;
- ✍✍ No environmental assessment, environmental impact statements, or other documents were submitted for review for potential air quality impacts; and,
- ✍✍ The Pantex Nuclear Weapons Facility Ambient Air Monitoring Annual 2000 Report was published.

4. **Toxicology and Risk Assessment (TARA) Section**

- ✍✍ Performed a toxicological evaluation of the groundwater monitoring data from the DOE-Pantex facility (samples collected May 1 through October 19, 2000) and the area surrounding the DOE-Pantex facility (samples collected in several domestic wells on May 9, 2001);
- ✍✍ Performed a toxicological evaluation of the air monitoring data from the DOE-Pantex facility (samples collected March 15 through June 14, 2001) which is collected and reported on a routine basis in accordance with the Permit; and,
- ✍✍ Edited and added comments to the draft version of the Quality Assurance Project Plan for the groundwater monitoring program.

5. **Legal Division**

- ✍✍ Provided legal assistance as needed to TNRCC staff regarding AIP activities;
- ✍✍ Attended the Second Quarter AIP Meeting in Amarillo; and,
- ✍✍ Attended an internal meeting on the AIP contract and budget.

Quarterly Expenditures for each Program For Reporting Period

1. **Remediation Division**

Total budget for this fiscal year (October 1, 2000 - September 30, 2001) for the Remediation Division activities is \$183,000. Budgeted expenditures for the quarter (1/4 of the budgeted amount) are \$45,750. Total estimated expenditures for this quarter (June numbers are projected) are \$30,207.00.

2. Field Operations Division

Total budget for this fiscal year (October 1, 2000 - September 30, 2001) for the Field Operations Division activities is \$180,000. Budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$45,000. Total estimated expenditures for this quarter (June numbers are projected) are \$44,831.00.

3. Monitoring Operations Division

Total budget for this fiscal year (October 1, 2000 - September 30, 2001) for air monitoring activities is \$120,000. Budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$30,000. Total estimated expenditures for this quarter (June numbers are projected) are \$15,058.00.

4. Toxicology and Risk Assessment (TARA) Section

Total budget for this fiscal year (October 1, 2001 - September 30, 2001) for toxicological activities is \$15,000. Budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$3,750. Total estimated expenditures for this quarter (June numbers are projected) are \$11,205.00.

5. Legal Division

Total budget for this fiscal year (October 1, 2000 - September 30, 2001) for the Legal Division activities is \$2,000. Budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$500. Total estimated expenditures for this quarter (June numbers are projected) are \$760.00

Milestones and Other Key Events:

1. Remediation Division

- ☞ Evaluated the communication between DOE, EPA and TNRCC and adjusted the process to include monthly status updates of remediation activities;
- ☞ In cooperation with other TNRCC AIP members, the AIP roles and responsibilities for each TNRCC AIP Program were established.
- ☞ Continued work on the primary decision-making documents (Background Study, Base Line Risk Assessment procedures) in several technical meetings with DOE; and,
- ☞ Coordinated with DOE-Pantex to establish interim stabilization procedures beyond Pantex's northern property boundary.

2. Field Operations Division

- ✍✍ Finished modifying the region's sampling database for entry into ArcView;
- ✍✍ Finished data validation of TNRCC fourth quarter 2000 data collected at Pantex; and,
- ✍✍ Reviewed first quarter compilations of data from both DOE and TNRCC.

3. Monitoring Operations Division

- ✍✍ Prepared quarterly report and forwarded it to the State Energy Conservation Office for submittal to the DOE; and,
- ✍✍ Analyzed air samples for volatile organic compounds (VOCs) and particulate matter.

4. Toxicology and Risk Assessment Section

- ✍✍ Participated in developing a quality assurance project plan (QAPP) for groundwater monitoring.
- ✍✍ Reviewed the Pantex document entitled "Final Risk Reduction Rule Guidance to the Pantex Plant RFI" (June 1999).

5. Legal Division

- ✍✍ Reviewed contracts, regulations, and documents and provided legal recommendations, as necessary;

Information in quarterly report provided by TNRCC AIP Members.

Robert Musick,
TNRCC Pantex Project Coordinator

Date

**TEXAS DEPARTMENT OF HEALTH
BUREAU OF RADIATION CONTROL**

**AGREEMENT IN PRINCIPLE
QUARTERLY REPORT**

***THIRD QUARTER
FISCAL YEAR 2001
APRIL 2001 - MARCH 2001***

TEXAS DEPARTMENT OF HEALTH

**Bureau of Radiation Control
and
Bureau of Laboratories**

PANTEX AIP IMPLEMENTATION REPORT

April 2001 thru June 2001

SUMMARY

Scope of Work/Objectives

To assure that past and present activities at the Pantex Plant pose minimal health, safety, and environmental impacts to the citizens of Texas. This will be accomplished by:

- 1) assuring that public health, safety, and the environment are protected with existing programs,
- 2) assuring DOE's compliance with applicable laws, regulations and standards,
- 3) ensuring substantive commitments are made by DOE to achieve compliance,
- 4) ensuring that DOE establishes prioritization of cleanup and compliance activities,
- 5) establishing a vigorous program of independent monitoring and oversight by the State of Texas,
- 6) cooperatively developing and implementing an effective and coordinated emergency preparedness program, and
- 7) participating in the NEPA process on issues concerning Pantex and the effective public outreach program relating to the implementation of the Agreement-in-Principle.

CONTAMINANT INVENTORY AND ASSESSMENT

Scope of Work/Objectives

- * Review the inventory of radiological and mixed waste identified on-site.

Accomplishments

- * Completed review of the Fourth Quarter 2000 Radiological and Mixed-Waste Inventory Reports.

FY 01 Expenses this Quarter: \$3,100.00

ENVIRONMENTAL MONITORING

Scope of Work/Objectives

- * Collect and analyze soil, water, crops, vegetation and milk from the plant vicinity for selected radionuclides. Within 24 hours of analytical results receipt, report those which exceed regulatory limits.
- * Monitor the site boundary with thermoluminescent dosimeters to determine ambient gamma radiation levels.
- * Perform radiological analysis of air samples.
- * Review groundwater monitoring, air monitoring and radioactivity surveillance system plans and updates and provide comments as appropriate.
- * Prepare environmental monitoring and analysis plan updates regarding radiological materials and provide to DOE for review and comment.
- * Allow DOE to take split samples in routine environmental monitoring activities.

Accomplishments

- * Collected routine environmental samples of specified media. Completed radio nuclide analysis of 2 milk, 6 soil, 6 vegetation, 1 crop, 2 playa surface water, 2 playa sediment, and 3 drinking water samples.
- * Exchanged thermoluminescent dosimeters on pre-arranged schedule. Provided documentation of results for the First and Second Quarter 2001 monitoring periods.
- * Completed review of Environmental Data Compilations for the Fourth Quarter 2000.
- * Provided Texas Department of Health Bureau of Radiation Control Environmental Summary for 2000 to DOE and to BWXT Pantex. Provided copies of the summary for distribution to the DOE Pantex Area Reading Rooms, and copies of the summary to identified Pantex Plant Stakeholders.

FY 01 Expenses this Quarter: \$19,830.00

EMERGENCY PREPAREDNESS

Scope of Work/Objectives

- ?? Maintain controlled updated copies of Pantex Plan and Procedures related to a radiological material incident. Provide input to updates on prearranged schedule.
- * Participate in joint periodic response exercises and drills with the Pantex plant.
- * Coordinate exercise activities with Pantex officials.

- * Assist in updating local government plans and procedures.
- * Review and provide comments regarding local radiological emergency plans.
- * Assist local authorities with respect to a Pantex plant incident potentially affecting off-site population.

Accomplishments

- * Provided review comments on six Pantex Plant Emergency Preparedness Plan procedures, according to the prearranged schedule.
- * Participated in DOE Pantex Emergency Exercise 01-2 scenario planning meetings.
- * Performed scheduled maintenance and calibration on pre-positioned radiological monitoring equipment at the BRC Staging Area. Conducted on-the-job training on calibration of the equipment for a back-up technician.
- * Performed scheduled calibration of radiation detection instrumentation to be utilized by BRC Field Survey Teams and Contamination Control Teams.
- * Performed a complete field assessment of the BRC emergency communication system. Identified various equipment maintenance and placement problems to be resolved within the next quarter.

FY 01 Expenses this Quarter: \$22,506.00

NEPA IMPLEMENTATION

Scope of Work/Objectives

- * Participate in Department of Energy activities relating to environmental restoration activities at Pantex Plant.

Accomplishments

- * Participated in a DOE/NNSA Albuquerque Operations Environmental Management Stakeholders Meeting in Albuquerque.

FY 00 Expenses this Quarter: \$3,250.00

TEXAS DEPARTMENT OF HEALTH ESTIMATED FY 2001 BUDGET: \$290,500

Approximate Expenses April thru June, 2001: \$49,586.00

Texas Department of Public Safety

Division of Emergency Management

Pantex Program

Quarterly Report

Third Quarter, Fiscal Year 2001

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

Third Quarter, Fiscal Year 2001

I. *Scope of Work/Objectives:*

Texas Department of Public Safety (DPS) participation in the Agreement-in-Principle is concentrated on AIP Task III, Emergency Management, and includes the following objectives:

- A. Review and comment on updated hazard assessments conducted by the Pantex Plant and proposed protective action recommendations.
- B. Update state plans, annexes, and procedures pertaining to radiological or hazardous materials incident at the Pantex Plant.
- C. Review and comment, as appropriate, on Pantex emergency plans and procedures pertaining to radiological or hazardous materials incidents. Maintain current copies of such plans and procedures.
- D. Design, schedule, conduct, and evaluate in periodic joint emergency response exercises and drills. Participate in such exercises and drills.
- E. Meet periodically with the Department of Energy (DOE) and Pantex Plant emergency management staff to review/resolve emergency management issues and coordinate emergency management activities.
- F. Review current information to assess the effect of the maximum credible accident.
- G. Participate in periodic notification exercises and drills.
- H. In the event of an incident at Pantex potentially affecting the off-site population, assist local authorities with their emergency response in the manner outlined in state and local emergency management plans.
- I. In coordination with DOE, coordinate radiological training for state and local response organizations.
- J. Assist local governments in updating emergency plans and procedures and provide integration of such plans and procedures.

- K. Review and provide comments on local government emergency plans developed to prepare for a radiological or hazardous material incident at the Pantex Plant.
- L. Assist local governments in developing emergency public information materials and programs.
- M. Provide guidance relating to radiological aspects of public information materials and programs.
- N. Develop procedures for and maintain the Reception Center located at the Tri-State Fairgrounds.

II. *Task III Accomplishments:*

- A. Action Item: Review and comment on updated hazard assessments conducted by the Pantex Plant and proposed protective action recommendations.

No activity this quarter.
- B. Action Item: Update state and local plans, annexes, and procedures pertaining to radiological or hazardous materials incident at the Pantex Plant.
 - 1. Change 2 to the *State of Texas Emergency Management Plan* was signed by the Governor on May 15, 2001. The change was published and distributed during June. Copies of the change were provided to AIP participants and the DOE Amarillo Area Office.
 - 2. The existing State *Standard Operating Procedures for a Pantex Plant Emergency* were reviewed. The DEM Response Section plans to update this SOP later this year as part of a general update of emergency operations SOPs.
- C. Action Item: Review and comment, as appropriate, on copies of Pantex emergency plans and procedures pertaining to radiological or hazardous materials incidents. Maintain current copies of such plans and procedures.
 - 1. DEM maintained controlled copies of Pantex emergency plans and procedures for use in the State Emergency Operations Center (EOC).
 - 2. Disaster District 5B maintained controlled copies of Pantex emergency plans and procedures for use in its EOC.

3. DEM personnel reviewed and provided comments to the DOE Amarillo Area Office on the following Pantex emergency preparedness procedures (EPPs):
 - a) EPP-1004, Accident Response Group Response Procedures
 - b) EPP-8001, Radiological Assistance Team (RAT) Procedures.
 - c) EPP-6001, Pantex Plant Incident Command Group Procedures.
 - d) EPP-1011, Pantex Plant Post-Emergency Recovery Planning Guide
 - D. Action Items: Design, schedule, conduct, and evaluate in periodic joint emergency response exercises and drills. Participate in such exercises and drills.
 1. The DEM Pantex Planner coordinated with the Pantex Emergency Management Department and local governments a no-notice alert/notification exercise. The exercise was conducted on April 26 and the State EOC and Disaster District 5B in Amarillo participated.
 2. DEM personnel participated in a series of planning meetings with the Pantex Emergency Management Department, local governments, volunteer groups, and federal agencies and coordinated activities for a post-disaster recovery exercise that will continue operations begun in an earlier exercise. That exercise is currently scheduled for October 16, 2001.
 3. During the quarter, DEM's Pantex Planner assisted Carson County in planning a tabletop exercise involving emergency management, law enforcement, fire, and EMS elements.
 - E. Action Item: Meet periodically with the DOE and Pantex Plant emergency management staff to review/resolve emergency management issues and coordinate emergency management activities.
 1. DEM's Pantex Planner participated in monthly meetings with DOE, the Pantex Plant staff, and local governments to review and resolve emergency management issues.
 - F. Action Item: Review current information to assess the effect of the maximum credible accident.
- No activity during the quarter.

- G. Action Item: Participate in periodic notification exercises and communications drills.
1. The State EOC participated in periodic alert/notification drills and communications tests with the Pantex Plant and the state's two nuclear power plants.
 2. Disaster District 5B participated in periodic alert/notification drills and communications tests with the Pantex Plant.
- H. Action Item: In the event of an incident at Pantex potentially affecting the off-site population, assist local authorities with their emergency response in the manner outlined in state and local emergency management plans.
- No activity this quarter.
- I. Action Item: In coordination with DOE, coordinate Pantex-related training for potentially affected state and local response organizations.
1. Pursuant to a cooperative agreement, DEM has granted funding to the Texas Department of Health to conduct basic radiological preparedness training courses that are available to employees of local governments and state agencies, including those in the vicinity of the Pantex Plant.
- J. Action Item: Assist local governments in updating emergency plans and procedures and provide multi-jurisdictional integration of such plans.
1. DEM personnel were involved in 33 contacts with local governments and state agencies to develop emergency plans, procedures, and other materials for a Pantex emergency.
 2. DEM personnel were involved in 23 contacts with DOE and the Pantex Plant staff, volunteer groups active in disasters, industry, and other groups regarding Pantex-related emergency management programs.
 3. DEM's Pantex Planner reviewed Carson County's *Emergency Management Plan* and made recommendations to the County emergency management staff for updates to the following annexes:
 - a) E, Evacuation
 - b) F, Firefighting
 - c) H, Health & Medical
 - d) I, Emergency Public Information
 - e) J, Recovery

- f) K, Public Works & Engineering
- g) M, Resource Management
- h) N, Direction & Control
- i) O, Human Services
- j) P, Hazard Mitigation
- k) R, Search & Rescue
- l) S, Transportation
- m) U, Legal

- 4. DEM's Pantex Planner assisted Armstrong County in preparing copies of Annex W, Pantex Plant Emergencies, to its local emergency management plan.
- 5. DEM's Pantex Planner assisted Carson County is compiling an up-to-date set of maps showing the location of residences and businesses in the Pantex Emergency Planning Zone.
- 6. During the quarter, DEM revised the *Pantex Area Emergency Communications Directory*. An updated directory was distributed to local governments and the Pantex Plant staff in late June.

K. Action Item: Review and provide comments on local government emergency plans developed to prepare for a radiological or hazardous material incident at the Pantex Plant.

- 1. The DEM Regional Liaison Officer for Region 5 reviews emergency management plans and related annexes developed by local governments for compliance with state standards and criteria (which incorporate Federal emergency planning criteria) and provides feedback to local governments.
- 2. The DEM Plans Unit staff receives and reviews emergency management plans and plan annexes developed by local governments and maintains data on the status of emergency planning in each jurisdiction in the vicinity of the Pantex Plant.

L. Action Items: Assist local governments in developing emergency public information material and programs.

- 1. DEM staff developed a draft of the *2002 Pantex Area Emergency Preparedness Calendar*, obtained photographs for use in the calendar, and requested bids for printing the calendar. Review copies will be distributed to AIP participants in early July.

2. DEM requested cost estimates and contract information from Southwestern Bell Yellow Pages for publication of a Pantex area emergency preparedness advertisement on the inside front cover of the 2002 Amarillo area telephone directory.
3. At the close of the quarter, DPS Graphic Arts was in the process of updating the Pantex Emergency Planning Zone and Reception Center graphics used in a variety of emergency public information materials.

M. Action Item: Provide guidance relating to radiological aspects of public information materials and programs.

No activity this quarter.

N. Action Item: Develop procedures for and maintain the Reception Center located at the Tri-State Fairgrounds.

No activity this quarter.

O. Other:

1. AIP-funded staff members participated in several emergency management conferences, workshops, and training courses during the quarter.
 - a) DEM's Pantex Planner completed a refresher course on hazardous materials emergency operations in June.
 - b) DEM's Pantex Planner completed a number of Federal Emergency Management Agency independent study courses during the quarter.
2. DEM's Pantex Planner attended several meetings of the Pantex Plant Citizens Advisory Board.
3. DEM's Pantex Planner observed Amarillo's major emergency exercise conducted at the airport and the Amarillo Technical Center on June 20.

III. *Significant Changes from Intended Activities:*

None.

IV. *Significant Issues:*

None.

V. *Projected Expenses:*

FY 01 Budget	\$ 165,500.00
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VI. *Approximate Actual FY 01 Expenses To Date*

Expended	\$ 113,411.00
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**AMARILLO/POTTER/RANDALL
DEPARTMENT OF EMERGENCY
MANAGEMENT**

CITY OF AMARILLO/POTTER COUNTY

**AGREEMENT IN PRINCIPLE
QUARTERLY REPORT
3rd QUARTER, FISCAL YEAR 2001**

Activity Summary

Inspected, repaired and maintained equipment in accordance with agreements. Conducted daily, weekly and monthly warning system tests and maintenance. Attended AIP related meetings and training programs. Participated in Pantex emergency notification coordination, testing and drills. Hosted the quarterly Local AIP and Task III meeting. Multiple presentations to businesses and agencies on shelter-in-place and evacuation procedures. New AIP Coordinator hired. Started planning for Pantex tabletop exercise in August. Worked on communication problems with BRC.

Amarillo/Potter/Randall Department of Emergency Management
AIP Quarterly Report
3rd Quarter, Fiscal Year 2001

I. Scope of Work/Objectives:

- A. Repair, maintain, upkeep, conduct preventive maintenance, and test all equipment provided by DOE, purchased under AIP, or provided by the City of Amarillo used for Pantex operations. This includes: all EPZ indoor warning monitors in Potter County; Warning equipment installed in the EOC; Command and Control equipment (to include computer equipment) installed in the EOC, response vehicles, reception center, and BRC staging area; various pieces of radio communications equipment; and radiological (not maintained by BRC) and decontamination equipment under the control of Amarillo or Potter County.
- B. As agreed upon, continue to repair, maintain, upkeep, conduct preventive maintenance, and test all outdoor warning sirens in the EPZ to include activation devices in each local EOC or Sheriff's Office.
- C. Continue monthly warning test.
- D. Conduct, as requested, public outreach sessions in regard to Pantex and warning systems.
- E. Maintain various types of response software.
- F. Provide emergency preparedness information programs and materials.
- G. Reception Center responsibilities to include:
 - a. Provide training and conduct operational exercises.
 - b. Maintain equipment and facility.
 - c. Maintain "Reception Center Standard Operating Guidelines".
- H. Participate in Pantex Emergency Exercises and Drills if possible.
- I. Maintain BRC staging area.
- J. Attend AIP meetings, prepare necessary documentation concerning AIP matters, and maintain budget and financial reporting requirements.

- K. Conduct emergency preparedness planning and training with Highland Park Independent School District located in the EPZ.
- L. Update plans and procedures based on findings from the Pantex Full Scale Exercise “Verser Partout” conducted in August 2000.

II. Accomplishments

- A. Action Item: Repair, maintain, upkeep, conduct preventive maintenance, and test all equipment provided by DOE, purchased under AIP, or provided by the City of Amarillo used for Pantex operations. This includes: all EPZ indoor warning monitors in Potter County; Warning equipment installed in the EOC; Command and Control equipment (to include computer equipment) installed in the EOC, response vehicles, reception center, and BRC staging area; various pieces of radio communications equipment; and radiological (not maintained by BRC) and decontamination equipment under the control of Amarillo or Potter County.
 - 1. Maintained and tested warning system and AIP equipment.
 - 2. Hired new AIP Coordinator.
 - 3. Met with Ralph White and Alphonso Vaughn of Pantex to review the base system for EIS Alerting monitors.
- B. Action Item: Continue to repair, maintain, upkeep, conduct preventive maintenance, and test all outdoor warning sirens in the EPZ to include activation devices in each local EOC or Sheriff’s Office.

Conducted maintenance and testing of EPZ sirens.
- C. Action Item: Continue monthly warning test.

Conducted daily, weekly and monthly warning system tests.
- D. Action Item: Conduct, as requested, public outreach sessions in regard to Pantex and warning systems.
 - 1. Conducted various awareness presentations to special needs groups. 6 presentations with 207 total people attending.
 - 2. Participated in public awareness activities at the Bi-annual Weather Symposium.

3. Participated in public awareness activities at the City of Amarillo Employee Health Benefits Fair.
 4. Participated in public awareness activities at the Business Connection 2001.
 5. Participated in public awareness activities at the Boy Scout Fair.
- E. Action Item: Maintain various types of response software.
- Updated EIS Software and began updating information to expand database.
- F. Action Item: Provide emergency preparedness information programs and materials.
- No activity during this quarter.
- G. Action Item: Reception Center responsibilities to include: provide training and conduct operational exercises; maintain equipment and facility; maintain "Reception Center Standard Operating Guidelines".
- Maintained facility and equipment as necessary.
- H. Action Item: Participate in Pantex emergency exercises and drills if possible.
- Participated in Pantex emergency notification drills.
- I. Action Item: Maintain BRC staging area.
1. Maintained equipment and facility as necessary.
 2. Bob met with Joe Theil and Gary Froemsdorf on BRC radio system repeater problems
- J. Action Item: Attend AIP meetings, prepare necessary documentation concerning AIP matters, and maintain budget and financial reporting requirements.
1. Attended AIP Task III discussion meeting at the Ambassador Hotel in Amarillo.
 2. Hosted Quarterly AIP meeting at the Central Library in Amarillo.

- K. Action Item: Conduct emergency preparedness planning and training with Highland Park Independent School District located in the EPZ.

No activity during this quarter.

- L. Action Item: Update plans and procedures based on findings from the Pantex Full Scale Exercise “Verser Partout” conducted in August 2000.

No activity during this quarter.

III. Other Emergency Management Activities:

New Mobile Operations Center became operational.

IV. Projected Expenses:

FY 01 Budget \$47,080.00

V. Approximate Actual FY 01 Expenses to Date:

A. Expended \$24,854.00

B. Encumbered \$ 0.00

ARMSTRONG COUNTY

AGREEMENT IN PRINCIPLE QUARTERLY REPORT

***THIRD QUARTER
FISCAL YEAR 2001
APRIL 2001 - JUNE 2001***

Armstrong County
Quarterly AIP Report
For the Period
April 1, 2001 through June 30, 2001

I. Scope of Work Objectives

Armstrong County's participation in the Agreement-In-Principle is concentrated on Task III, Emergency Management. Armstrong County's objectives with respect to AIP Task III as directed by the County Judge and the Emergency Management Coordinator include:

- A. Review and provide comments on updated hazard assessments conducted by the Pantex plant, as appropriate. Proposed protective action recommendations will be reviewed and comments provided to the DOE.
- B. Review and comment, as appropriate, on Pantex emergency plans and procedures related to radiological or hazardous materials incidents; maintain current copies of such plans and procedures.
- C. In coordination with Pantex officials, design, schedule, conduct and evaluate periodic joint emergency exercises and drills. Participate in such exercises and drills to the extent possible.
- D. Meet periodically with DOE and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.
- E. Review current information to assess the effect of the maximum credible accident.
- F. Participate in periodic notification exercises and communications drills.
- G. Develop public information materials and programs.
- H. Develop procedures for utilizing the Reception Center located at the Tri-State Fair Grounds.

II. Task III Accomplishments

- A. Action Item: Review and provide comments on updated hazard assessments conducted by the Pantex plant, as appropriate. Proposed protective action recommendations will be reviewed and comments provided to the DOE.
 - 1. The Emergency Management Coordinator reviewed all annexes.

- B. Action Item: Review and comment, as appropriate, on Pantex emergency plans and procedures related to radiological or hazardous materials incidents; maintain current copies of such plans and procedures
1. Emergency Management Coordinator updated the Disaster Recovery Manual.
- C. Action Item: In coordination with Pantex officials, design, schedule, conduct and evaluate periodic joint emergency exercises and drills. Participate in such exercises and drills to the extent possible.
1. Coordinated with DEM regarding time frames for a possible no-notice alert/notification exercise to be conducted later this year.
 2. Coordinated with DEM regarding a late summer joint reentry and recovery exercise, which would continue operations from an earlier exercise. The joint reentry and recovery exercise is tentatively scheduled for October 16, 2001.
 3. Participated in planned meetings for joint exercises.
 4. Activated Armstrong County EOC according to Annex N of the County Emergency Plan during joint exercises.
 5. Met with RLO and DEM representative for overall review/critique of exercise.
- D. Action Item: Meet periodically with DOE and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.
1. Participated in monthly meetings with DEM's Pantex Planner, the Pantex plant staff and other local governments to review and resolve emergency management issues.
 2. On April 11, 2001, Armstrong County's Emergency Management Coordinator met with the RLO, the DEM Pantex Planner, support staff, and other local government officials to discuss a number of Pantex-related emergency management issues.
- E. Action Item: Review current information to assess the effect of the maximum credible accident.
- No activity this quarter.
- F. Action Item: Participate in periodic notification exercises and

communications drills.

1. Participated in three periodic alert/notification exercises and communications drills with Pantex, other AIP members and liaisons.
2. Armstrong County participated in training for silent testing of warning systems and began a frequent testing schedule.

G. Action Item: Develop public information materials and programs.

1. Met with officials of the National Weather Service and other local governments to discuss the institution of a local representative to collect and record weather data and take wind and rainfall measurements on a regular basis.

H. Action Item: Develop procedures for utilizing the Reception Center located at the Tri-State Fair Grounds.

No activity this quarter.

I. Action Item: Other

1. The Emergency Management Coordinator attended monthly AIP meetings with other AIP member representative.

III. Significant Changes from Intended Activities

None

IV. Significant Issues

None

V. Projected Expenses

FY01 Budget \$12,000

VI. Approximate Actual FY01 Expenses to Date

Expended \$10,374.26

CARSON COUNTY

AGREEMENT IN PRINCIPLE QUARTERLY REPORT

***THIRD QUARTER
FISCAL YEAR 2001
APRIL 2001 - JUNE 2001***

Carson County Quarterly AIP Report 3rd Quarter

I. Scope of Work Objectives:

- A. Carson County's participation in the Agreement-In-Principle is concentrated on Task III, Emergency Management. Carson County's objectives with respect to AIP Task III as directed by the County Judge and the Emergency Management Coordinator include:
1. Review and comment on hazard assessments recommended by the Pantex Plant and proposed protective action recommendations.
 2. Update State plans, annexes and procedures pertaining to radiological or hazardous materials incidents at the Pantex Plant.
 3. Review, comment on and maintain copies of Pantex emergency plans and procedures pertaining to radiological or hazardous materials incidents.
 4. Coordinate routine exercises of emergency equipment and procedures.
 5. Participate in periodic joint emergency response exercises and drills.
 6. Coordinate exercise activities with Pantex and state officials.
 7. Review current information to assess the effect of the maximum credible accident.
 8. Participate in periodic notification exercises and drills.
 9. In the event of an incident at Pantex potentially affecting the off-site population, initiate emergency response actions according to established guidelines, directives and/or standard operating procedures.
 10. Attend radiological or other applicable training as presented by DOE or state organizations.
 11. Assist other local governments or state agencies in updating emergency plans and procedures.
 12. Develop emergency plans to prepare for a radiological or hazardous material incident at the Pantex Plant.
 13. Assist other AIP members in developing emergency public information materials and programs.
 14. Participate in AIP public meetings and respond to public concerns about Pantex.
- B. Task IV objectives – not applicable.

II. Task III Accomplishments:

- A. Action Item: Update Carson County's plans, annexes and procedures pertaining to radiological or hazardous materials incidents at the Pantex Plant.
 - 1. Currently working on the revision of the Carson County emergency management plan and all of the annexes. Have completed approximately 3 annexes as of June 30, 2001.
- B. Action Item: Review, comment on and maintain copies of Pantex Emergency Preparedness Plans (EPP) and other procedural documents pertaining to radiological or hazardous materials incidents.
 - 1. Maintained controlled copies of Pantex Emergency plans and procedures for use in the Carson County EOC.
 - 2. Used Pantex EPP's as reference documents during Pantex emergency exercises.
- C. Action Item: Coordinate routine exercises of emergency equipment and procedures and participate in periodic joint emergency response exercises and drills with Pantex officials.
 - 1. Carson County officials responded to the tabletop exercises held at Pantex using the bridge number.
- D. Action Item: Participate in periodic notification exercises and drills.
 - 1. Carson County participated in periodic alert/notification and communication tests with Pantex and other AIP members.
- E. Action Item: Participated in emergency training classes/conferences according to local, state and other directives.
 - 1. EMC and some County law enforcement officials attended First Responders training in Pampa.
 - 2. EMC attended Weapons of Mass Destruction training in Abilene.
- F. Action Item: Carson County officials participate in AIP and other public meetings and respond to public concerns about Pantex.
 - 1. Carson County officials attended "monthly AIP meetings" with other AIP member representatives.
 - 2. Carson County Judge attended several Pantex Plant Citizens Advisory Board (PPCAB) meetings acting as a board member.



BUREAU OF ECONOMIC GEOLOGY

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Pantex AIP Program

Quarterly Report

Third Quarter, FY2001

April 2001 to June 2001

Bureau of Economic Geology The University of Texas at Austin

Program Scope and Objectives

The Bureau of Economic Geology (Bureau) is to provide its technical expertise in various disciplines in geology and hydrology as needed to assist the State of Texas and the Department of Energy (DOE) in the completion of Task II (environmental monitoring) and Task IV (independent review of DOE Pantex NEPA documents) activities under the Pantex Agreement in Principle (Pantex AIP).

Task II? Environmental Monitoring: Continued Monitoring for Estimating Temporal Variability of Water Movement in the Interplaya Unsaturated Zone

- ? Evaluate temporal variability in infiltration and evapotranspiration in the shallow subsurface active zone.
- ? Evaluate potential for upward water movement below shallow subsurface active zone in an interplaya setting at the Pantex Plant and adjacent to Playa 5.
- ? Provide interpreted data to DOE for use, for example, in site wide environmental summaries and in design of environmental engineering features.

Task IV? Technical Support and Independent Review of DOE Pantex NEPA Documents

Bureau staff upon request by the State Energy Conservation Office will:

- ? Participate in quarterly status meetings.
- ? Provide quarterly status reports.
- ? Participate in the AIP public meetings to discuss State oversight activities at Pantex.
- ? Provide as requested technical reviews of selected Pantex environmental compliance documents.
- ? Provide as requested reports and brochures for public education on Pantex.
- ? Provide technical assistance to the Pantex Plant Citizen's Advisory Board.
- ? Participate in environmental compliance or emergency management meetings.

Accomplishments during the Third Quarter

Task II? Environmental Monitoring: Continued Monitoring for Estimating Temporal Variability of Water Movement in the Interplaya Unsaturated Zone

Recharge monitoring continues uninterrupted at both the Playa 5 and the main facility installations.

The heat dissipation sensors have been purchased and are currently being calibrated in our laboratory. The sensor calibration process requires several weeks to complete and we anticipate installation of the sensors during Fall 2001.

We modified the computer code HYDRUS-1D to simulate upward flow and chloride transport. We evaluated diffusion coefficients for chloride and we are conducting simulations to determine if the observed water potential and chloride profiles indicate long-term upward flow from depth.

Task IV? Technical Support and Independent Review of DOE Pantex NEPA Documents

Plans to conduct an airborne survey of Pantex to image potential subsurface contaminant paths hit a snag in May owing to Pantex security issues, which remain unresolved. Funding (about \$200,000) was to come from BWXT and Sandia's ITRD program. The airborne survey was being coordinated with two other Texas surveys. By the end of the quarter it is just about too late for the Pantex survey to be included in the aircraft mobilization scheduled for August 2001.

Bureau staff participated in the May 7 Pantex Public Information Meeting in Panhandle, discussing results of groundwater models, and the July 11 quarterly Pantex AIP project review meeting in Amarillo.

Program Expenditures*

AIP 1	April	May	June	Quarter Total	FY2001 YTD
Planned	\$1,716	\$1,716	\$1,716	\$5,148	\$15,444
Actual	\$1,738	\$1,391	\$616	\$3,745	\$21,235
AIP 2	April	May	June	Quarter Total	FY2001 YTD
Planned	\$11,250	\$11,250	\$11,250	\$33,750	\$33,750
Actual	\$9,227	\$11,505	\$7,181	\$27,913	\$27,913
Total	April	May	June	Quarter Total	FY2001 YTD
Planned	\$12,966	\$12,966	\$12,966	\$38,898	\$49,194
Actual	\$10,965	\$12,896	\$7,797	\$31,658	\$49,148

* Estimated

OFFICE OF THE ATTORNEY GENERAL

STATE OF TEXAS

PANTEX PROGRAM

QUARTERLY REPORT

THIRD QUARTER, FISCAL YEAR 2001

OFFICE OF THE ATTORNEY GENERAL

I. *Scope of Work/Objectives:*

A. The Office of the Attorney General will provide advice, representation, analysis, and reports on issues relating to the federal government's expressed intent to reconfigure the nuclear weapons complex, including any resulting change of mission at Pantex; on issues relating to disassembly of nuclear weapons and storage of weapons components, including, but not limited to, the storage of plutonium pits at Pantex; on issues relating to the preparation by the Department of Energy or any other agency of documents required by the National Environmental Policy Act that concern Pantex; and on issues relating to the placement or removal of the Pantex facility on the National Priorities List (NPL) of federal Superfund sites. Personnel of the Office of the Attorney General will also (1) consult with and provide briefings for various other agencies of the State of Texas as required, (2) attend relevant meetings at its discretion and at the request of the Office of the Governor, and (3) evaluate and provide comments on proposed policies and plans related to the reconfiguration process and any resulting change of mission at Pantex, disassembly and weapons components storage, and the federal Superfund process. In furtherance of the services it agrees to provide, the Office of the Attorney General may engage the assistance of subcontractors as appropriate.

II. *Accomplishments:*

A. Participated in Third Quarter 2001 Agreement in Principle (AIP) meeting (July 11, 2001, in Amarillo, Texas).

B. Participated in Task III meeting and preparation for August 2001 Recovery Exercise (EMEX01-2).

C. Responded to requests for information and legal analysis from participating state agencies.

III. *Significant Changes from Intended Activities:*

None.

IV. *Significant Issues:*

None.

V. *Projected Expenses:*

FY 01 Budget	\$ 15,000.00
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VI. *Approximate Actual FY 01 Expenses to Date:*

A. Expended	\$ 10,500.00
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B. Encumbered (Travel)	\$ 500.00
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