
AGREEMENT IN PRINCIPLE

THE STATE OF TEXAS
GRANT NO. DE-FG04-90AL65780



QUARTERLY REPORT

FIRST QUARTER
FISCAL YEAR 2002
OCTOBER 1, 2001 - DECEMBER 31, 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

1st Quarter Fiscal Year 2002
October 1, through September 30

The State Energy Conservation Office (SECO) has compiled this report for the first quarter of Fiscal Year 2002. SECO's activities included coordinating the Agreement in Principle 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.

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
October 1, 2001 through December 31, 2001

AGENCY	FFY02 BUDGET	ACTUAL & PROJECTED EXPENDITURES		FFY01 BALANCE
		Defense Programs	Environmental Management	
State Energy Conservation Office	\$ 183,898.00	\$35,085.38 ^a p		\$ 148,812.62
Texas Natural Resource Conservation Commission	\$ 487,000.00		\$ 121,750.00 ^a p	\$ 365,250.00
Texas Department of Health	\$ 299,215.00	\$48,700.65 ^a p		\$ 250,514.35
Texas Department of Public Safety	\$ 170,465.00	\$30,273.51 ^a		\$ 140,191.49
City of Amarillo	\$ 48,492.00	\$9,430.80 ^a p		\$ 39,061.20
Armstrong County	\$ 12,360.00	\$3,761.77 ^a		\$ 8,598.23
Carson County	\$ 14,420.00	\$3,079.48 ^a p		\$ 11,340.52
Bureau of Economic Geology	\$ 92,700.00	\$12,370.66 ^a		\$ 80,329.34
Office of the Attorney General	\$ 15,000.00	\$ 3,750.00 ^p		\$ 11,250.00
TOTAL	\$1,323,550.00	\$ 146,452.25	\$ 121,750.00	\$1,055,347.75
BUDGET BY DOE PROGRAM*		\$ 836,550.00	\$ 487,000.00	
FUNDS AVAILABLE BY DOE PROGRAM		\$ 690,097.75	\$ 365,250.00	

a = actual expenditures reimbursed to date p = grant recipient's projected expenditures through 12/31/01

** NOTE: Only \$428,000 in new EM funding has been received for the FY02 budget year. The \$1,323,550 is the approved budget, not the actual funds available thus far this fiscal year.*

TABLE OF CONTENTS



Quarterly Report

**TEXAS NATURAL
RESOURCE CONSERVATION
COMMISSION**

**TEXAS DEPARTMENT
OF HEALTH**

**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**

***FIRST QUARTER
FISCAL YEAR 2002
OCTOBER 2001 - DECEMBER 2001***

Agreement-in-Principle Quarterly Report

Texas Natural Resource Conservation Commission

October - December 2002

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;

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

- 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** - The Toxicology and Risk Assessment (TARA) Section of the Office of Permitting, Remediation and Registration is responsible for reviewing the results of all environmental monitoring and air dispersion modeling, and determine the impacts of the exposure to environmental contaminants emitted from the DOE Pantex Facility. Tasks to be accomplished as per the Agreement-In-Principle (AIP) are:
- 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;

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

- 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**

- Participated in one public meeting (i.e., Round Table Discussions) regarding the environmental restoration activities at DOE-Pantex during the reporting period;
- Participated in one Agreement-In-Principle quarterly meeting held in Amarillo on October 10, 2001;
- Participated in several technical meetings/teleconferences with DOE during the reporting period. The primary focus of the meetings/teleconferences were the Base Line Risk Assessment, the Background Study, the Ecological Assessment (e.g., National Resource Damage Assessment), and the Soil Venting Extraction System at the Burning Grounds. The meetings/conferences are part of the expedited review process developed by DOE;
- Participated in one (1) visualization meeting held on October 9, 2001 to expedite the review of critical decision-making documents requested by DOE. The expedited review allows DOE to develop a Scope of Work for their RCRA Facility Investigations;

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

- Attended and participated in three (3) “Pantex Core Team” meetings held during the reporting period. The meetings were held on November 8th & 9th; November 28th & 29th and December 18th & 19th. The Core Team meetings support the Pantex project by expediting the RFI process;
- Participated in teleconferences held biweekly to discuss the status of the Environmental Restoration Projects;
- TNRCC’s contractor (Texas A&M’s Center for Applied Technology) participated in a groundwater modeling committee to determine an appropriate groundwater model for the Pantex facility;
- Participated in the Natural Resource Damage Assessment (NRDA) Trustee and Serious Texans Against Nuclear Dumping (STAND) meeting held at the Square House Museum in Panhandle;
- Conducted a peer review for the Burning Ground Waste Management Area. The peer review presented the Burning Ground’s conceptual site model and discussed the known exposure pathways as determined via the model; and,
- Reviewed and submitted comments to DOE for fifteen (15) documents during the reporting period. The review was expedited as per the request of Pantex.

2. **Field Operations Division**

- Conducted scheduled quarterly groundwater sampling and Pantex special requests for sampling that took place from October 15th - November 8th, 2001;
- Coordinated with the TNRCC laboratory in Houston, Texas for full analysis of Pantex groundwater samples collected during the quarterly sampling event;
- Attended the quarterly Agreement-In-Principle meeting in Amarillo;
- Hosted quarterly status update meetings with the concerned citizens in the TNRCC Region 1 office;
- TNRCC Region 1 and DOE co-hosted three round table public meetings with concerned citizens at the Square House Museum in Panhandle;
- Attended Pantex technical meetings in the TNRCC Region 1 office and the Central Office in Austin, Texas regarding: the Perched and Ogallala Aquifer Investigations,

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

the Soil Vapor Extraction System at the Burning Ground; and the Risk Reduction Rule Guidance Document;

- Attended the Core Team meetings held in Amarillo and Austin;
- Attended the Core Team Peer Review at the TNRCC Central office in Austin; and,
- Attended the Natural Resource Damage Assessment (NRDA) Trustee and STAND meeting, and the NRDA public meeting at the Square House Museum in Panhandle.

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 two sets 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 44 micrograms per cubic meter at Site #5 Quality Assurance Sampler 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;
- The third quarter 2001 data submitted by Pantex from their monitoring site was reviewed and all concentrations reported were below their respective ESLs; and
- No environmental assessment, environmental impact statements, or other documents were submitted for review for potential air quality impacts.

4. Toxicology and Risk Assessment (TARA) Section

- Performed toxicological evaluations of the groundwater monitoring data collected by TNRCC from the DOE-Pantex facility;

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

- Met with citizens who live adjacent to Pantex and provided toxicological information;
- Reviewed from a toxicological perspective the air monitoring data from the DOE-Pantex facility;
- Edited and added comments to the draft version of the Quality Assurance Project Plan for the groundwater monitoring program;
- Attended the Agreement-in-Principle meeting in Amarillo; and,
- Reviewed and commented on Constituents of Concern (COCs) Flow Charts to be included in Pantex's "Final Risk Reduction Guidance to The Pantex Plant RFI."

5. **Legal Division**

- Provided legal assistance as needed to TNRCC staff regarding AIP activities; and,
- Attended the Quarterly AIP Meeting in Amarillo.

Quarterly Expenditures for each Program For Reporting Period

1. **Remediation Division**

Total budget for this fiscal year (October 1, 2001 - September 30, 2002) for the Remediation Division activities is \$184,651. Scheduled budgeted expenditures for the quarter (1/4 of the budgeted amount) are \$46,163. Total estimated expenditures for this quarter (October through December are projected) are \$46,163.

2. **Field Operations Division**

Total budget for this fiscal year (October 1, 2001 - September 30, 2002) for the Field Operations Division activities is \$175,562. Scheduled budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$43,890. Total estimated expenditures for this quarter (October through December numbers are projected) are \$43,890.

3. **Monitoring Operations Division**

Total budget for this fiscal year (October 1, 2001 - September 30, 2002) for air monitoring activities is \$110,987. However, \$27,746 budgeted for the purchase of the VOC samplers

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

was never put into Monitoring Operations Division Operating budget. So, the actual budget is \$83,000. Total estimated expenditures for this quarter (October through December numbers are projected) are \$27, 746.

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

Total budget for this fiscal year (October 1, 2001 - September 30, 2002) for toxicological activities is \$13,800. Budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$3,450. Total estimated expenditures for this quarter (October through December numbers are projected) are \$3,450.

5. **Legal Division**

Total budget for this fiscal year (October 1, 2001 - September 30, 2002) for the Legal Division activities is \$2,000. Scheduled budgeted expenditures for the quarter (1/4 of the total budgeted amount) are \$500. Total estimated expenditures for this quarter (October through December numbers are projected) are \$500.

Milestones and Other Key Events:

1. **Remediation Division**

- Coordinated with the Pantex Core Team to develop a conceptual groundwater model for the Burning Grounds Waste Management Area;
- Participated in a public meeting (NEPA requirements) to discuss the status of corrective action and the process of obtaining a Compliance Plan (corrective action document); and,
- Continued work on the primary decision-making documents (Background Study, Base Line Risk Assessment procedures) in several technical meetings with DOE.

2. **Field Operations Division**

- Coordinated quarterly groundwater sampling;
- Coordinated Roundtable discussions for Public Participation; and,
- Reviewed quarter compilations of Pantex groundwater data.

Agreement in Principle (AIP) Quarterly Report
Texas Natural Resource Conservation Commission
Reporting Period - October through December 2002

3. **Monitoring Operations Division**

- Analyzed air samples for volatile organic compounds (VOCs) and particulate matter; and,
- Attended a peer review workshop on remediation activities at Pantex.

4. **Toxicology and Risk Assessment Section**

- Participated in developing a quality assurance project plan (QAPP) for groundwater monitoring; and,
- Reviewed the COC Screening Flow Charts for 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**

***FIRST QUARTER
FISCAL YEAR 2002
OCTOBER 2001 - DECEMBER 2001***

TEXAS DEPARTMENT OF HEALTH

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

PANTEX AIP IMPLEMENTATION REPORT

October 2001 thru December 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 Second Quarter 2001 Radiological and Mixed-Waste Inventory Reports.

* *FY 01 Expenses this Quarter: Not available at time of report.*

ENVIRONMENTAL MONITORING

Scope of Work/Objectives

- * Collect and analyze soil, water, crops, vegetation and milk from the plant vicinity for selected radio nuclides. Within 24 hours of analytical results receipt, report those results 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 radio-activity 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

- * Completed radio nuclide analysis of one vegetation sample.
- * Exchanged thermoluminescent dosimeters on pre-arranged schedule. Provided documentation of results for the Third Quarter 2001 monitoring periods.
- * Completed radionuclide analysis of 15 air particulate filters received from Texas Natural Resource Conservation Commission.
- * Completed review of Environmental Data Compilations for the Second Quarter 2001.

Significant Issue/Change from Intended Activity:

Routine collection and analysis of environmental samples from Pantex Plant and the surrounding environment was postponed, and then cancelled due to security concerns after the 9/11/01 attack.

FY 01 Expenses this Quarter: Not available at time of report.

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

- * 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 instruments to be utilized by BRC Field Survey Teams and Contamination Control Teams.
- * Continued upgrade of the BRC Pantex-Area emergency communication system. Completed installation of antenna at the BRC Staging Facility in Amarillo. The base station radio equipment for the BRC Staging Facility has been received, and has had the appropriate frequencies uploaded.

FY 01 Expenses this Quarter: Not available at time of report.

NEPA IMPLEMENTATION

Scope of Work/Objectives

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

Accomplishments

* Participated in Pantex Plant Citizens' Advisory Board.

FY 00 Expenses this Quarter:

TEXAS DEPARTMENT OF HEALTH ESTIMATED FY 2002 BUDGET: \$290,500

*Approximate Expenses October thru December 2001:
Not available.*

**AMARILLO/POTTER/RANDALL
DEPARTMENT OF EMERGENCY MANAGEMENT**

CITY OF AMARILLO/POTTER COUNTY

**AGREEMENT IN PRINCIPLE
QUARTERLY REPORT
1st QUARTER, FISCAL YEAR 2002**

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. Attended Radiological Monitor Training.

**Amarillo/Potter/Randall Department of Emergency Management
AIP Quarterly Report
1st Quarter, Fiscal Year 2002**

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. 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 DOE.
- D. 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.
- E. 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.
- F. Meet periodically with DOE and Pantex Plant emergency management staff to review and resolve emergency management issues and coordinate emergency management activities.
- G. Review current information to assess the effect of the maximum credible accident.
- H. Participate in periodic notification exercises and communications drills.
- I. Develop public information materials and programs.
- J. Develop procedures and maintain the Reception Center located at the Tri-State Fair Grounds.

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. Panhandle Fence began work on installation of a new electric gate for security purposes at BRC staging area.
 3. P-10's refilled and delivered to reception center.
 4. Packet system was received at Radio Shop and is currently being assembled and tested for placement at Armstrong County EOC, Carson County EOC, and DPS Amarillo.
 5. Updated EOC Security lists & vests
- B. Action Item: 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.
1. Conducted maintenance and testing of EPZ sirens.
 2. Made repairs to Washburn siren.
- C. 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 DOE.
- No activity during this quarter.
- D. 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. Worked with Pantex plant on new notification procedures.
 2. Multiple meetings and tours of facilities for Pantex plant Officials on an alternate location for Pantex EOC.
- E. 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. Participated in Pantex emergency notification drills
- F. 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. Attended AIP Task III discussion meeting at the Radisson Hotel.
 2. Attended AIP Quarterly Meeting at Santa Fe Bldg.
- G. Action Item: Review current information to assess the effect of the maximum credible accident.
- No activity during this quarter.
- H. Action Item: Participate in periodic notification exercises and communications drills.
1. Participated in Pantex emergency notification drills.
- I. Action Item: Develop public information materials and programs.
1. Met with Def. Nuclear Safety Board on PPCAB Issues.
- J. Action Item: Develop procedures and maintain the Reception Center located at the Tri-State Fair Grounds.
1. P-10's refilled and delivered to Reception Center

III. Other Emergency Management Activities:

- A. One staff member attended training in Advanced Radiological Emergency Preparedness in Abilene.
- B. A new Medical Bio-Terrorism Response plan for the City of Amarillo was implemented.

- C. A new Health Care Resources Sharing Agreement was developed including all three hospitals in Amarillo.

IV Projected Expenses:

FY02 Budget	\$	48,492.00
First Quarter Expenses	\$	2,889.72
Total Funds Available	\$	45,602.28

V. Approximate Actual FY02 Expenses to Date:

I. Expended	\$	2,889.72
II. Encumbered	\$	1,346.42

ARMSTRONG COUNTY

AGREEMENT IN PRINCIPLE QUARTERLY REPORT

***FIRST QUARTER
FISCAL YEAR 2002
OCTOBER 2001 - DECEMBER 2001***

**ARMSTRONG COUNTY
QUARTERLY AIP REPORT
For the Period
October 1, 2001 through December 31, 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.
- I. Other

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 is working with the DEM/BWXT Coordinator on updating the Armstrong County Basic Plan, Annex A and both checklists.

- 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. Armstrong County's Emergency Management Coordinator is currently working on updating all emergency plans and procedures related to radiological or hazardous materials incidents.

- 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. Activated Armstrong County EOC according to Annex N of the County Emergency Plan during joint exercises.

- 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.

- E. Action Item: Review current information to assess the effect of the maximum credible accident.

No activity this quarter.

- F. Action Item: Participated in periodic alert/notification exercises and communications drills
 - 1. Participated in two periodic alert/notification exercises and communications drills with Pantex, other AIP members and liaisons.

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

1. The Armstrong County Emergency Management Coordinator is currently developing a public information article to be published in the local newspaper.

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

No activity this quarter.

III. *Significant Changes from Intended Activities*

None

IV. *Significant Issues*

None

V. *Projected Expenses*

\$12,360.00

VI. *Approximate Actual FY01 Expenses to Date*

\$2064.94

CARSON COUNTY

AGREEMENT IN PRINCIPLE QUARTERLY REPORT

***FIRST QUARTER
FISCAL YEAR 2002
OCTOBER 2001 - DECEMBER 2001***

Carson County
Quarterly AIP Report
1st Quarter 2002
Oct - Dec

- 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. Finishing up last of Carson County emergency management plan and all of the annexes. Plan being submitted to State for approval this month.

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. (These have been picked up by BWXT personnel as of November 7, 2001)
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 emergency personnel participated in a notification exercise with Pantex on November 14th.

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. Carson County EMC attended Advanced Radiological Monitoring course in Abilene.
2. Judge Powers attended LEPC (local emergency planning committee) in Hot Springs, Arkansas on behalf of the Carson County LEPC.

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 officials met with several pipeline companies for the annual updates on emergency contacts, etc...
3. Carson County officials met with an agent from the FBI to discuss the recent anthrax incidents and such.



BUREAU OF ECONOMIC GEOLOGY

THE UNIVERSITY OF TEXAS AT AUSTIN

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Pantex AIP Program

Quarterly Report

First Quarter, FY2002

October through December 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 Fourth Quarter

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

We visited both the Playa 5 and Treatability recharge monitoring sites during the week of November 5, 2001. We installed 9 heat dissipation sensors (HDS) at Playa 5 and 6 at the Treatability locations. The HDS instruments were installed in nominal 2-inch diameter boreholes at depths similar to the existing thermocouple psychrometer (TCP) instruments ranging from 0.3 to 3.0 m (1 to 20 ft). Data from the HDS instruments will be used to supplement and/or override data from the TCP instruments as the HDS instruments are more reliable and accurate under wet conditions (matric potential > -0.5 MPa). The installation of the HDS instruments at Playa 5 required the installation of additional data acquisition hardware and software programming. Installation at the Treatability site also required additional programming but no new hardware.

During the HDS installation process at Playa 5, a total of 35 core samples were obtained from the ground surface to a depth of 20 ft. for chloride concentration analysis. Chloride concentrations in soil water can be used to indicate the average depth over time of infiltrating precipitation and can additionally, within limits, indicate bounding values of recharge flux. Gravimetric water content has been determined for all of the samples. Extracts of soil water from the core samples will be performed in our laboratory during the next quarter and the extracts will be sent to a commercial laboratory for chloride concentration analysis using ion chromatography techniques.

We continue to collect and process data from both installations. Data collection is now automated and is performed daily via a dedicated PC. Cellular communications with both sites have been somewhat unstable in the past several weeks and multiple calls are often required before all of the daily data are successfully downloaded.

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

Bureau staff participated in the January 16 quarterly Pantex AIP project review meeting in Austin. In support of an agenda discussion at this meeting, Bureau staff completed additional review of Ogallala monitoring data provided by DOE and prepared a powerpoint presentation to discuss reported analyses. We also gave a presentation on the results of the monitoring program.

OFFICE OF THE ATTORNEY GENERAL

STATE OF TEXAS

PANTEX PROGRAM

QUARTERLY REPORT

FIRST QUARTER, FISCAL YEAR 2002

OFFICE OF THE ATTORNEY GENERAL

I. *Scope of Work/Objectives:*

A. The Office of the Attorney General provides 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 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 First Quarter 2002 Agreement in Principle (AIP) meeting (October 10, 2001, Amarillo, Texas).

B. Participated in annual conference of NAAG/DOE Workgroup (National Association of Attorneys General/U.S. Department of Energy), October 30-31, 2001, Washington, D.C.

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 02 Budget	\$ 15,000.00
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VI. *Approximate Actual FY 02 Expenses to Date:*

A. Expended	\$ 3,000.00
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B. Encumbered (Travel)	\$ 600.00
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