

MEMORANDUM OF AGREEMENT

Between

UNITED STATES OF AMERICA

DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

And

UNITED STATES OF AMERICA

DEPARTMENT OF ENERGY

NATIONAL NUCLEAR SECURITY ADMINISTRATION

PANTEX SITE OFFICE

Regarding

**NON-WEATHER-RELATED EMERGENCY MESSAGES AND THE BROADCAST
OF SUCH MESSAGES ON NOAA WEATHER RADIO All HAZARDS
AND DISSEMINATION THROUGH THE
ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM**

This Agreement is entered into between the United States of America, Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Weather Service, hereinafter referred to as NWS, and the United State of America, Department of Energy/National Nuclear Security Administration, Pantex Site Office, hereinafter referred to as DOE/NNSA or PXSO.

This Agreement identifies certain responsibilities of both the NWS and the PXSO in the dissemination of information over NOAA Weather Radio All Hazards (NWR) and through the NWS Advanced Weather Interactive Processing System (AWIPS). This Agreement defines the general scope of messages NWS will disseminate to the public. It also establishes procedures to be used by the Pantex Plant in relaying Non-Weather-Related Emergency Messages, as defined in National Weather Service Instruction 10-518, Appendix C. This Agreement follows protocols established in the Pantex Plant Alert Warning System Plan (Attachment A) and establishes the NWS Forecast Office in Amarillo as a disseminator of Pantex Plant Non-Weather-Related Emergency Messages for broadcast on NWR and through the AWIPS.

A Pantex Plant request for the NWS Forecast Office in Amarillo to disseminate a Non-Weather-Related Emergency Message will be intended for residents in the State of Texas, counties of Armstrong, Carson, and Potter, who live within the Pantex Plant's 10-Mile Emergency Planning Zone (EPZ).

I. GENERAL

- A. Both parties to this Agreement acknowledge that the primary mission of NWR and AWIPS-disseminated messages is for the NWS to deliver meteorological and hydrological information to the public. The transmission of Non-Weather-Related Emergency Messages is permitted only when such messages will help mitigate the loss of life or substantial property damage. When the NWS and the Pantex Plant have separate and different warning messages to issue at the same time, local NWS office personnel will determine priorities based on the collective potential for loss of life and property.
- B. The NWR 1050 Hertz warning alarm tone and Specific Area Message Encoding (SAME) will be activated for the initial issuance of a Non-Weather-Related Emergency Message. The warning alarm tone and SAME will be activated for only the Pantex Plant EPZ. The Pantex Plant EPZ incorporates an area that is approximately a 10-mile radius of the Pantex Plant, as indicated in Attachment B. The National Institute of Standards and Technology (NIST) has assigned the Federal Information Processing Standards (FIPS) code of 048901 (“0” for whole county, “48” for the two-digit number code for Texas, and “901” for the Pantex Plant EPZ) for the area designated within the broadcast range of the NWR transmitter(s) serving the affected area. The NWS may request that the assigned FIPS code be altered when changes in signal coverage, addition of transmitters, and etc., dictate. Since NWR involves VHF-FM radio propagation, it should be

understood that transmission of the alarm and related messages to all points within the designated Pantex Plant EPZ cannot be guaranteed.

- C. Not all emergencies or hazards for which transmissions may be requested by the Pantex Plant can be foreseen and included in this Agreement. Local NWS office personnel will exercise their best professional judgment when considering such requests. Every reasonable effort will be made to accommodate such requests in a timely manner, based on the seriousness and immediacy of the threat to life and property.

- D. The NWR and AWIPS may be used to disseminate a coordinated and simulated message concerning activities listed in Section II during large-scale exercises, only if such messages do not interfere with the local NWS office's normal operations or policy.

- E. Both parties agree to provide an annually updated list of phone and facsimile numbers, for the dissemination of Non-Weather-Related Emergency Messages, as referred to in Section II, Paragraph A, of this Agreement.

- F. Both parties agree that no provisions herein, or in any future amendments, shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act, 31 U.S.C. 1341. Also, nothing in this MOA shall be construed to

circumvent, hinder, or prevent either of the parties in the furtherance of their statutory duties, rights, and obligations.

II. NWS AGREES:

- A. That the NWR 1050 Hertz warning alarm tone and/or SAME signal, generated by AWIPS disseminated Non-Weather-Related Emergency Messages, as defined in National Weather Service Instruction 10-518, Appendix C, shall be activated until the Pantex Plant is approved and authorized to generate and relay its own Non-Weather Emergency Messages through the Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), and NOAA All-Hazards Emergency Message Collection System, or HazCollect.

- B. That all messages from the Pantex Plant, described in Section II, Paragraph A, will be received at the NWS Forecast Office in Amarillo, TX.

- C. In the event that the NWS Forecast Office in Amarillo is incapable of performing as the primary contact and entry point for Non-Weather-Related Emergency Messages requested by the Pantex Plant, per NWS Southern Region Supplement 01-2004, the NWS Forecast Office in Lubbock, TX (Sister Office) will serve as the secondary entry point.

- D. That PXSO has the right to accept or reject changes to this Agreement as it deems

appropriate.

III. PXS0 AGREES:

- A. That the operation of NWR/AWIPS will be in accordance with instructions contained in the National Weather Service Directives System and the controlling NWS office's Station Duty Manual.

- B. That nothing in this Agreement limits NWS current or future use of NWR/AWIPS, including hours of operation and information carried.

- C. The intent of the NWR broadcast of Non-Weather-Related Emergency Messages is to assist the Pantex Plant in activating the federal Emergency Alert System (EAS) in accordance with the local warning protocols for a Pantex Plant emergency.

- D. Any continuous NWR broadcast of Non-Weather-Related Emergency Messages should normally be limited to a period of 60 minutes. NWS will broadcast subsequent Non-Weather-Related Emergency Messages updates or corrections on NWR via an Administrative Message (ADR), with the periodic broadcast cycle to be determined by NWS Amarillo.

- E. To request amendments to Section II for inclusion of hazards identified after the date of this Agreement. Emergency conditions for which an amendment has not been

completed will be handled in accordance with the provisions of Section I, Paragraph C.

- F. To authenticate and forward, to NWS Amarillo and Lubbock, all Non-Weather-Related Emergency Message requests for broadcast on NWR that it receives and certifies as appropriate. The Pantex Plant will initiate contact with NWS Amarillo via telephone from the Pantex Operations Center (primary) or the National Alert Warning System (secondary) to notify NWS of a request for dissemination of a Non-Weather-Related Emergency Message. A pre-scripted media style text for Non-Weather-Related Emergency Messages will be transmitted via facsimile (primary) to NWS Amarillo, or verbally via unlisted telephone (secondary). After a facsimile transmission has been made, the Pantex Operation Center employee sending the facsimile message will call NWS Amarillo via unlisted telephone to verify receipt of the message. If the Pantex Plant request for transmission of a Non-Weather-Related Emergency Message is received by telephone, which is not a secure system, the NWS employee receiving the call will place a return phone call to the Pantex Operations Center (806-477-5000) to authenticate the message request prior to dissemination on NWR and through the AWIPS.
- G. In the event that NWS Amarillo is incapable of performing as the NWS primary contact and entry point for Non-Weather-Related Emergency Messages, the

Pantex Plant will initiate contact with NWS Lubbock, as the secondary entry point. The Pantex Plant will follow the same authentication procedures for initiating Non-Weather-Related Emergency Message transmission on NWR as outlined in section III, paragraph F.

- H. That the warning Non-Weather-Related Emergency Message should be limited to 100 words or less and refer recipients to commercial/public radio and TV stations for details. Normally, NWR and AWIPS messages should be identical to minimize workload and the potential for error. All messages will be clearly identified as to the Pantex Operations Center being the source of the message.
- I. That the NWS has the right to accept or reject changes to this Agreement as it deems appropriate.

IV. AMENDMENTS:

Amendments to this Agreement will be made in the following manner:

- A. Amendments requested by the PXSO shall be forwarded for review to the Meteorologist-In-Charge, NWS Amarillo, TX. The Meteorologist-In-Charge, NWS Amarillo, TX, will serve as the approving official for NWS.
- B. Amendments by the NWS will be coordinated by the Meteorologist-In-Charge, NWS Amarillo, TX and forwarded to the PXSO for review and approval.

C. If both parties cannot agree to the amendment, an effort shall be made to reach an acceptable compromise. If a compromise cannot be reached, the amendment is not made. If an amendment is rejected, by either party, the original Agreement provisions remain in effect unless terminated by the provision of Section V.

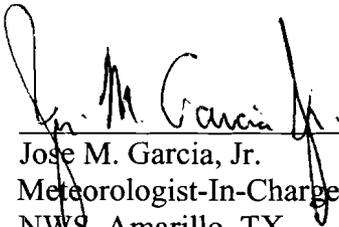
V. EFFECTIVE DATE:

This Agreement shall be effective on the latter date of signature shown below when executed by both parties hereto. This Agreement is valid and binding for a period of five years from the effective date or unless terminated by either party upon 60 days prior written notice. Upon mutual agreement of both parties, this Agreement is subject to renewal at the end of the five-year period.

UNITED STATES OF AMERICA
Department of Energy
National Nuclear Security Administration
Pantex Site Office

UNITED STATES OF AMERICA
Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service, Amarillo, TX

By: 
Daniel E. Glenn
Title: Manager
DOE/NNSA, PXSO

By: 
Jose M. Garcia, Jr.
Title: Meteorologist-In-Charge,
NWS, Amarillo, TX

Date: 8/10/07

Date: 8/7/07

Attachment A

Pantex Plant Alert Warning System Plan

In the event of an emergency event at the Pantex Plant with potential for off-site impacts (referred to as a General Emergency), the Pantex Operations Center (OC) will initially notify the National Weather Service (NWS) Amarillo via telephone or NAWAS to request activation of the NOAA Weather Radio All Hazards (NWR) system in the Pantex Plant 10-mile Emergency Planning Zone (EPZ). Follow-on requests for activation of the NWR system in the EPZ will be provided by the City of Amarillo, Armstrong County, Carson County, or Potter County, Texas, to provide additional information regarding the emergency event at the Pantex Plant.

The following procedures outline the initial notification and warning protocols for activation of the NWR system and Emergency Alerting System (EAS) from the Pantex Plant specifically.

Notification via NAWAS or Telephone from the Pantex OC:

1. The Pantex OC will request activation of a Non-Weather Related Emergency Message to be broadcast and alarmed over the EAS and NWR. Authorized Pantex Plant personnel will state their name and provide a 5-digit code (badge number). This should be authenticated by using the information provided on Pantex Plant Authorized Activation List.
2. Once identity is verified, request information on “sector numbers” and “downwind direction” to be included in the Pantex Plant warning message (see Pantex Plant Warning Messages).
3. As soon as possible, prepare product “LBBSPWAMA” (shelter-in-place warning) and broadcast on NWR and through AWIPS or other means using FIPS code 048901.
4. Broadcast every cycle until notified by authorized Pantex Plant personnel or a local government official to discontinue or replace the message with updated information.

Attachment A**Pantex Plant Authorized Activation List**

Name	Badge Number	Position
Vince Hanson	14187	EOC Coordinator
Robert Inglis	07206	EOC Coordinator
Forrest McLaughlin	06026	Plant Shift Superintendent
Randy Nuttall	07839	Plant Shift Superintendent
O.G. Rippy	07488	Plant Shift Superintendent
Scott Salter	07728	Plant Shift Superintendent
Dirk Schmitz	06751	Plant Shift Superintendent
Kevin Starbuck	12106	EOC Coordinator
Lynn Tarr	08955	Plant Shift Superintendent
Twanda Taylor	05681	Plant Shift Superintendent
Jeff Turner	04875	Plant Shift Superintendent
Garvin Williams	05611	Plant Shift Superintendent

Attachment A

Pantex Plant Warning Messages

Determination of Sector Numbers and Downwind Direction:

“Sector numbers” are based on the Pantex Plant 10-Mile EPZ map (see Attachment B). Determination of the “sector numbers” to include in the warning message is based on the wind direction. The sector that is located in the downwind direction and one sector to the left and right of the directly impacted sector should be included in the warning message.

Pantex Plant personnel will provide direction as to whether the warning should include the “A” portion or “A & B” portions of the sector based on the potential impact of the emergency event. If not provided, the warning message should be for both “A & B” portions of the sector.

The “downwind direction” should also be included in the message and should be based as closely as possible on the eight compass points (North, Northeast, East, Southeast, South, Southwest, West, or Northwest).

Initial Warning Message:

“Attention area residents and visitors located in the Pantex Plant 10-mile Emergency Planning Zone. An emergency event has occurred at the U.S. Department of Energy Pantex Plant. Residents and visitors that are located in sectors (sector numbers) or are (downwind direction) of the Pantex Plant are at greatest risk from this emergency and need to shelter-in-place immediately. Local officials also recommend shelter-in-place protective actions for all other residents and visitors in the Pantex Plant 10-Mile Emergency Planning Zone. Residents and visitors in the affected area should remain sheltered-in-place and stay tuned to NOAA Weather Radio, local radio, or local television stations for further information and instructions. Additional emergency information can be found in the Pantex Area Emergency Preparedness Calendar or inside the front cover of the Amarillo SBC Yellow Pages.”

Supplemental or Alternate Warning Message:

“Attention area residents and visitors located in the Pantex Plant 10-mile Emergency Planning Zone. An emergency event has occurred at the U.S. Department of Energy Pantex Plant. Residents and visitors who are located in sectors (sector numbers) or are (downwind direction) of the Pantex Plant are at greatest risk from this emergency and need to shelter-in-place immediately. Local officials also recommend shelter-in-place protective actions for all other residents and visitors in the Pantex Plant 10-Mile Emergency Planning Zone.

Sheltering-in-Place protective actions include the following:

- Stay indoors in your home, workplace, or a nearby building.
- Close all windows, doors, vents, and fireplace dampers.
- Turn off any heating or cooling systems that draw in air from the outside.
- If you have been outside during the period just before you were warned to shelter-in-place, take a shower or at least wash your face and hands with a washcloth, soap, and lukewarm water.
- Stay tuned to NOAA Weather Radio, local radio, or local television stations for further information and instructions.

Additional emergency information can be found in the Pantex Area Emergency Preparedness Calendar or inside the front cover of the Amarillo SBC Yellow Pages.”

Attachment B

Pantex Plant 10-Mile Emergency Planning Zone (EPZ)

