

NOTICE OF COMPLETION OF FIVE-YEAR REVIEW

The NNSA Production Office (NPO) of the U. S. Department of Energy/National Nuclear Security Administration announces completion of the Five-Year Review of the Selected Remedy for the Pantex Plant Site, as required by Section 121 of the Comprehensive Environmental Response, Compensation, and Liability Act and Compliance Plan No. 50284. This review began June 4, 2012 and was completed on September 27, 2013 with concurrence of the U.S Environmental Protection Agency (USEPA) and the Texas Commission on Environmental Quality (TCEQ).

NPO completed review of the Selected Remedy for the Pantex Plant Site, in conjunction with the USEPA and TCEQ, to ensure that the Selected Remedy remains protective of human health and the environment. The predominant contaminants at the Site are high explosives, solvents, perchlorate, and chromium. The Selected Remedy is comprised of the following components for protection of human health and the environment:

For soil units

- Land use controls for restricting access and maintaining protective measures for workers.
- Protective covers of clean soil for containing contaminants in landfilled material and ditch liners.
- A soil vapor extraction system to continue removing solvents released into subsurface soils at the Burning Ground.

For impacted perched groundwater

- Land and groundwater use controls for restricting access, drilling, and perched groundwater use without prior treatment.
- Pump-and-treat systems for stabilizing contaminants and reducing saturation.
- In situ treatment zones to reduce contaminant concentrations to groundwater protection standards where pump-and-treat systems are not effective.
- A long-term monitoring network of perched groundwater and Ogallala Aquifer wells to gather data needed to determine remedy effectiveness and provide for early detection of unexpected conditions.

Results of the five-year review indicate that the Selected Remedy is performing as intended and is protective of human health and the environment in the short-term because there is no completed exposure pathway to human or environmental receptors for soil or perched groundwater. Access to contaminated surface soil is prevented through a combination of protective covers, fencing, and other access controls associated with the active mission of the site. Access to contaminated perched groundwater is prevented through a combination of restrictions placed on use, drilling, and access.

In order to achieve long-term protectiveness of human health and the environment, operation and maintenance of the remedial action systems must continue and enhancements to existing systems need to be evaluated, planned and implemented with a focus on the following aspects:

1. Achieve cleanup standard for the perched groundwater contaminants (i.e., restoration of the perched aquifer—Although significant progress has been achieved in just a few years, contaminant concentrations have not yet been significantly affected except in areas near the In Situ Bioremediation Systems.
2. Prevent growth of perched groundwater contaminant plumes - Perched groundwater contaminant plumes continue to move and/or expand toward the east and into the southeastern lobe of the perched aquifer. While perched groundwater is expanding slightly, as predicted through fate and transport modeling, options for modifying the existing extraction system to extend active remediation should be evaluated for the part of the perched groundwater east of Farm-to-Market (FM) Road 2373.

Information about the Selected Remedy, progress toward achieving the established goals, and a copy of the Final Five-Year Review Report with approval documentation is available on the Internet at www.pantex.com/mission/Pages/Environmental-Cleanup-Documents.aspx; the Amarillo Central Public Library, 413 E. 4th, Amarillo, Texas; and in the Pantex Plant Administrative Record file at the Pantex Plant, FM 2373 and U.S. Highway 60, Amarillo, Carson County, Texas.

The next Five-Year Review will begin in 2017 and be completed no later than September 27, 2018. If you have any questions regarding this or the next review, please contact Brenda Finley, Pantex Public Affairs Officer, at (806) 477-3120, by fax at (806) 477-3185, or by e-mail to BFinley@Pantex.doe.gov.

JV Ettes Play In Amarillo Tournament

The Junior Varsity Pantherettes played their first tournament of the season during the week-end of Nov. 8-9 in Amarillo. The JV Ettes won the Consolation championship of the tournament. "The girls got better every game," said Coach Robin Fulce.

In their first game they played Canyon and dropped that game 21-51. Madison Jones was the high scorer with nine points followed by Keirstyn Kelley with eight points and Brooklyn Tompkins had four.

The Ettes beat San Jacinto 37-32 in their next matchup. Tompkins scored in the double-digits with 16 points. Kennedy Helfenbein added eight points followed by Kelley and Callie James with four each. Angel Gonzalez and Maggie Northcutt added two points each and Madi Hall had one.

In their third match-

up, the team beat Palo Duro 39 - 34. Helfenbein was high point with eight. Tompkins and Kaylee Yarger scored with six points each while James and Krista Spencer added five each. Kelley scored four, Jones - two and Jessica McCoy - one.

In their final game, the Ettes beat Caprock 35 - 29. Yarger was high point with 11, followed by Kelley with 8. James had five points while Spencer and Tompkins added four each. McCoy had two and Helfenbein - one.

In action on Tuesday, Nov. 12, the Ettes got the win 30-5 against San Jacinto. Tompkins scored 10 to be high point, James had six and Spencer - five. Jones scored four, McCoy - three and Hall - two.

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**Our life is what our
 thoughts make it.**
 ~Marcus Aurelius
Roman Solider
121-180 AD

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