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SEP 15 2004

Mr. Steven C. Erhart, Acting Manager
U. S. Department of Energy
National Nuclear Security Administration
Pantex Site Office
P.O. Box 30030
Amarillo, TX 79120-0030

Subject: Electrical Safety Review, Action Plan to Monitor and Improve Electrical Safety

Dear Mr. Erhart:

In response to the National Nuclear Security Administration Memorandum titled "Action: The National Nuclear Security Administration Electrical Safety" dated July 19, 2004, Pantex has developed a specific action plan to monitor and improve electrical safety at the site.

The attached plan was revised based on an email from Greg Baker, DOE/AAO, dated September 13, 2004. The plan was developed based on a careful review of the electrical safety occurrences that occurred on site and a review of available lessons learned. Special attention towards NNSA's identified lessons learned were considered and included, specifically:

- Decommissioning activities having potential for contact with unidentified hazardous energy sources.
- Performing work activities to abandoned equipment.
- Proper compliance with basic safety rules in assuming all exposed electrical conductors are energized.
- Use of temporary wiring equipment such as power strips and extension cords without first inspecting the equipment to assure it is in safe and acceptable operating condition.

Also considered were the commonly made electrical safety errors and actions taken and planned to prevent similar occurrences as described in the Department's Office of Corporate Performance Assessment (EH-3) report titled "Electrical Near Misses Continue to Occur."

Additionally, the plan includes a summary-level schedule for implementing action over the next year, including Quarterly Status Reports to NA-10 on electrical safety performance beginning October 2004.

If you have any questions or need additional information, please contact me at extension 7720 or Eddie Magness, Manager, Industrial Safety at extension 5104.

Very truly yours,



L. K. Trent
Division Manager
ES&H and Emergency Services

Attachment: As stated

cc w/attachment:

G. D. Baker, DOE/AAO, 12-36A
W. M. Blackburn, DOE/AAO, 12-36A
R. M. Gifford, CFO/Controller Office, 09-060
C. J. Moore, Infrastructure Business, 12-5G
O. M. McNeil, Capital & Expense Projects, 04-130
J. D. Woolery, Quality Performance Assurance, 12-6D
C. H. Brown, Maintenance, 12-5E
G. T. Fagin, Industrial Safety, 12-132
C. L. Harris, Infrastructure Tech Programs, 12-5F
D. E. Huddleston, Environmental Remediation, 9-061
E. A. Magness, Industrial Safety, 12-132
S. C. McCarthy, Construction Management, 09-130

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BWXT Pantex
Action Plan
Monitor and Improve Electrical Safety

- Submit Electrical Safety Performance Quarterly Status Reports to NA-10 starting in October 2004 detailing the status of activities.
Due Date: Quarterly starting October 2004

- The site currently has numerous inter-related electrical safety standards. These standards will be reviewed and consolidated. The standards will be referenced in the “Pantex Plant – Site Specific Electrical Safety Work Practices Manual”.
Due Date: April 2005

- Decommissioning activities will be reviewed with an emphasis on proper hazardous energy identification and isolation.
 - Review of documents used to manage safety to include site-specific safety plans, activity hazard analyses, pre-job briefings and safe work permits.
 - Accomplish oversight to verify field activities completed in accordance with established work scope, hazard controls and applicable requirements.**Due Date: As necessary**

- New construction activities will be reviewed with an emphasis on proper use of temporary power and to ensure that installations are in compliance with current codes.
 - Review of documents used to manage safety to include site-specific safety plans, activity hazard analyses, pre-job briefings and safe work permits.
 - Accomplish oversight to verify field activities completed in accordance with established work scope, hazard controls and applicable requirements.**Due Date: As necessary**

- Industrial Safety will provide a rollup of oversight documentation, on a quarterly basis, (information provided by organizations with subcontractor oversight, i.e., Construction Safety, Environmental Remediation, etc.) on electrically related subcontractor work. Subcontractor selection criteria, electrical safety programs, hazardous energy control and adherence to requirements during construction activities will be included.
Due Date: Quarterly starting October 2004

- Each Division that has oversight, input or accomplishes electrical related work will accomplish surveillances to ensure that internal procedures and work accomplished meet current expectations and standards. These evaluations will be accomplished site-wide by November 30, 2004. Industrial Safety will provide guidance and will compile the status, results, corrective actions, etc. and include this information in the January Electrical Safety Performance Quarterly Status Report
Due Date: November 30, 2004

Electrical Safety Review, Action Plan to Monitor and Improve Electrical Safety

- The Electrical Safety Committee will be re-established by September 30, 2004.
 - To assist in identification of non-code or hazardous installations.
 - To assist on electrical inspections and incident investigations.
 - To facilitate correction of known deficiencies.

Due Date: September 30, 2004

- Facility inspections will look at targeted areas of electrical concern. Targeted areas will be determined based on electrical issues identified during internal assessments, past facilities inspections and complex-wide events and lessons learned.
 - Deficiencies and items corrected on the spot, identified during facility inspections, will be tracked and trended quarterly.
 - This information will be used to determine targeted areas in future inspections, and as necessary, communicated to the Electrical Safety Committee for site-wide distribution to aid in correction of similar issues.

Due Date: On-going

- Electrical related Lessons Learned and events from other locations will be reviewed and communicated to affected organizations. Response from affected organizations will be required to document that the Lessons Learned has been reviewed and any follow-up actions required have been initiated/completed.

Due Date: As received

- Incident and accident reports, corrective actions, work orders and Industrial Safety Department facility inspection deficiencies (since 2001) that are electrical related will be reviewed to determine completion status and provide input for focused electrical inspections. Review to be complete by October 29, 2004.

Due Date: October 29, 2004

- Information, results and status from the above mentioned initiatives dictate and drive electrical improvement schedule for the remainder of the year.