



Memorandum from the Office of the Inspector General

March 31, 2011

John J. McCormick, Jr., LP 3D-C

FINAL REPORT – INSPECTION 2010-13571 – REVIEW OF TVA'S RACCOON MOUNTAIN FIRE PROTECTION SYSTEMS

As part of our annual inspection plan, we initiated a review of the fire protection systems at the Raccoon Mountain Pumped-Storage Plant. In meeting with plant personnel, we were informed that a review of the fire protection systems at the site had been completed by an outside consultant, Marsh Risk Consulting, with their report being issued in July 2010. The report included a number of recommendations for the plant to improve fire protection at the site. Based upon this, we decided to perform a walkdown of the site and a limited review of testing/inspection documentation for a sample of the fixed fire protection systems at the site.

During our walkdown, we checked for accessibility of fire protection equipment and proper sign-offs for monthly inspections of fire extinguishers and hoses. We noted no problems during our walkdown.

Additionally, we reviewed three fixed fire protection systems at the site for proper testing/inspections for a three-year period. We included the deluge system for the main generator step-up transformer vault, the foam system for the visitors' elevator shaft, and the halon system for the tool room in our review. The time period for our review was 2008-2010. We found no issues with the testing/inspections of the deluge or foam systems; however, we did note a deficiency with the testing/inspection of the halon system. National Fire Protection Association code 12A calls for semiannual testing/inspections of halon fire extinguishing systems. However, for 2008 our review of documentation showed that only one inspection was conducted for the halon system in the tool room.

Despite the one identified deficiency with the testing/inspection of the halon system, in our opinion, no further work in this area is warranted by our office at this time. This memorandum does not include any recommendations and is to be used for informational purposes only. Accordingly, no response is necessary. This review was conducted in accordance with the "Quality Standards for Inspections."

Information contained in this memorandum may be subject to public disclosure. Please advise us of any sensitive information in this report that you recommend be withheld.

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If you have any questions, please contact Daniel C. Wright, Auditor, at (423) 785-4825 or Greg R. Stinson, Director, Inspections, at (865) 633-7367. We appreciate the courtesy and cooperation received from your staff during this review.



Robert E. Martin
Assistant Inspector General
(Audits and Inspections)
ET 3C-K

DCW:FAJ

cc: Michael B. Fussell, WT 9B-K
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