



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W., SUITE 2900
ATLANTA, GEORGIA 30323-0199

Report Nos.: 50-390/94-43, 50-391/94-43

Licensee: Tennessee Valley Authority
38 Lookout Place
Chattanooga, TN 37402-2801

Docket Nos.: 50-390 and 50-391

License Nos.: CPPR-91 and CPPR-92

Facility Name: Watts Bar Units 1 and 2

Inspection Conducted: May 23-27, and June 13-17, 1994

Inspector: George B. Kuzo 12 July 1994
George B. Kuzo, Senior Radiation Specialist Date Signed

Approved by: Caudle A. Julian 7/15/94
Caudle A. Julian, Chief Date Signed
TVA Watts Bar Project Branch
Division of Reactor Projects

SUMMARY

Scope:

This special announced inspection involved selected review of primary and secondary program areas; Post Accident Sampling System (PASS) startup operational issues; "As Low As Reasonably Achievable" (ALARA) program implementation; and design of liquid radioactive waste systems.

Detailed program areas reviewed included chemistry laboratory, counting room and hot sample room facilities status and equipment reliability; Chemical Volume Control System (CVCS) modifications; secondary coolant system chemistry monitoring, analysis and controls; secondary coolant auxiliary system and/or equipment reliability issues identified during hot functional testing (HFT); and selected PASS startup test results, mission dose evaluations and operational issues. In addition, implementation of the ALARA program and designs of drains, and leak mitigation and/or containment systems associated with radioactive liquid storage and processing systems located both within and outside of the licensee's proposed radiological control area (RCA) were reviewed.