# CONNECTICUT YANKEE ATOMIC POWER COMPANY

**HADDAM NECK PLANT**
362 INJUN HOLLOW ROAD • EAST HAMPTON, CT 06424-3099

Docket No. 50-213
CY-05-007
RE: 10 CFR 72.44(d)(3)

Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
Attention: Document Control Desk
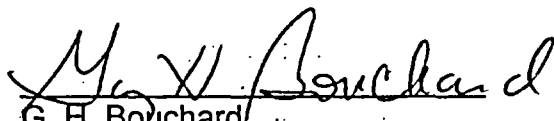Washington, D. C. 20555-0001

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Haddam Neck Plant
Annual Radioactive Effluent Release Report
For Independent Spent Fuel Storage Installation – 2004

In accordance with 10 CFR 72.44(d)(3) and Certification of Compliance (CoC) No. 1025, Technical Specification Section A5.4.c, Connecticut Yankee Atomic Power Company (CYAPCO) is providing the Annual Radioactive Effluent Release Report for the Independent Spent Fuel Storage Installation(ISFSI) at the Haddam Neck Plant (HNP) site. The period of the report is January 1, 2004 through December 31, 2004. (Please note, however, CYAPCO initiated use of the ISFSI at the HNP site for spent fuel storage operation on May 21, 2004.)

The NAC-MPC System is a sealed and leak tight spent fuel storage system. In addition, CYAPCO has completed in-process inspections and tests during fabrication and sealing of the canisters in compliance with CoC No. 1025. Moreover, Technical Specifications Section A.3.5.1, CANISTER Helium Leak Rate, provides assurance that there are no radioactive effluents from the NAC-MPC System. On that basis, CYAPCO is reporting that there were no releases of principal radionuclides in liquid or gaseous effluents from the ISFSI at the HNP site to the environment in 2004.

If you require additional information, please contact Mr. G. P. Van Noordennen at (860) 267-3938.

Sincerely,

G. H. Bouchard     1-11-05
Director, Nuclear Safety/Regulatory Affairs     Date

cc:     S. J. Collins, NRC Region 1 Administrator
T. B. Smith, NRC Project Manager, Haddam Neck Plant
R. R. Bellamy, Chief, Decommissioning and Laboratory Branch, NRC Region 1
E. L. Wilds, Jr., Director, CT DEP Monitoring and Radiation Division

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