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MOYER,J.W. Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
AUTRY,V.R. South Carolina, State of

SUBJECT: Provides results of disposal of boiler cleaning waste in Unit 1 ash pond located on site.Sampling results provided as attachment to ltr.

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Carolina Power & Light Company
Robinson Nuclear Plant
3581 West Entrance Road
Hartsville SC 29550

RNP File No: 12510A
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MAY 27 1998

Mr. Virgil R. Autry, Director
Division of Radioactive Waste Management
Bureau of Solid and Hazardous Waste
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

H. B. ROBINSON STEAM ELECTRIC PLANT
DOCKET NO. 50-261/LICENSE NO. DPR-23
SAMPLING RESULTS FOR DISPOSAL OF
VERY LOW-LEVEL RADIOACTIVE WASTE MATERIAL

Dear Mr. Autry:

The purpose of this letter is to provide the results of disposal of boiler cleaning waste in the Unit No. 1 ash pond located on site. By letter dated March 6, 1998, Carolina Power & Light (CP&L) Company requested South Carolina Department of Health and Environmental Control (DHEC) approval of an application for on-site disposal of very low-level radioactive waste. The request was approved by DHEC by letter dated March 23, 1998. The DHEC approval letter included a request to provide DHEC with the sampling results of the disposal upon completion of the disposal. The disposal was completed on May 2, 1998. The sampling results are provided as an attachment to this letter.

If you have any questions concerning this matter, please contact me or Mr. T. M. Wilkerson, Manager - Regulatory Affairs.

Very truly yours,

J. W. Moyer
Plant General Manager

ALG/alg
Attachment

Recd: NRR/PDI-2

C001

c: Mr. L. A. Reyes, USNRC, Region II
Mr. J. W. Shea, USNRC
USNRC Resident Inspector, HBRSEP
USNRC Document Control Desk

H. B. ROBINSON STEAM ELECTRIC PLANT
SAMPLING RESULTS FOR DISPOSAL OF VERY LOW-LEVEL RADIOACTIVE WASTE MATERIAL

By letter dated March 6, 1998, Carolina Power & Light (CP&L) Company requested South Carolina Department of Health and Environmental Control (DHEC) approval of an application for on-site disposal of very low-level radioactive waste. The CP&L request was approved by DHEC by letter dated March 23, 1998. The DHEC approval letter included a request to provide DHEC with the sampling results of the disposal upon completion of the disposal. The disposal was completed on May 2, 1998.

The disposal involved boiler chemical metal cleaning wastes that were contaminated at very low levels with Cobalt-60. The method of disposal was to transfer the waste to the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 1 on-site ash pond. The on-site ash pond is permitted to receive chemical metal cleaning wastes as provided under National Pollutant Discharge Elimination System (NPDES) Permit No. SC0002925, Internal Outfalls 005, "Ash Transport System and the Wastewater Regulated at Internal Outfall 007," and 007, "Chemical Metal Cleaning Wastes to the Ash Handling System." The CP&L request estimated approximately 50,000 gallons to be disposed consisting of approximately 50% Ammonium Citrate solution and 50% rinse water. The actual boiler cleaning waste solution disposed in the ash pond was approximately 26,000 gallons. The CP&L request estimated an upper limit activity of 5.471 E-7 microCuries/milliliter (μCi/ml) for the amount of Co-60 in the waste solution, and estimated that a total activity of less than 63 μCi of Co-60 would be transferred to the ash pond. The actual highest measured activity of the waste solution transferred to the ash pond was 1.379 E-7 μCi/ml, and the total activity transferred was measured to be 13.57 μCi.