



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

NOV 4 1980

In Reply Refer To:
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70-1113

US NRC
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TR

General Electric Company
ATTN: J. A. Long, General Manager
Wilmington Manufacturing Department
P. O. Box 780
Wilmington, NC 28402

Gentlemen:

Two recent instances of migration of radiological and nonradiological contaminants into groundwater from liquid waste storage ponds indicate the need to reevaluate groundwater monitoring data and the adequacy of groundwater monitoring programs. NRC is performing this reevaluation at all fuel facilities where ponds are used for waste storage.

On November 17&18, 1980, a Region II representative and a team of three hydrogeologists under contract with NRC will visit your facility to review groundwater monitoring data and to assess the adequacy of your groundwater monitoring program. During the visit, the team will inspect your ponds, review monitoring data, and discuss pertinent matters with your staff. A brief outline of matters to be discussed is provided as Enclosure 1.

We appreciate your cooperation in making this information and your responsible staff members available on this date.

Sincerely,

J. Philip Stohr
J. Philip Stohr, Chief
Fuel Facility and Materials
Safety Branch

Enclosures: (1) As stated

cc w/encl:
A. L. Kaplan, Manager
Licensing and Compliance Audits
C. M. Vaughan, Manager
Nuclear Materials Management

8011250002

ENCLOSURE 1

QUESTION GUIDE FOR SITE REVIEW

I. Source and Isotopes

What isotopes
Physical and chemical forms
Levels of activity
Discharge volume
Other sources

II. Configuration

Pond characteristics
bottom
single or series
volume
evaporation potential
vegetation
animals - disruptive

Pond protection
plants
animals
fences
topography
rainfall and floods
erosion
hydrology

III. Monitoring

What is included
Onsite and Offsite
Test wells
Soil
Water Vegetation
Animals
Air
intervals
How are samples collected
How are samples prepared
What base line used
Feedback
What are trends
Future plans

IV. Analyses

Sample preparation

Do own samples
If sent out, to whom
Turnaround Time
Data management

Analyses for

Alpha and/or beta
Separate isotope
Equipment used
Thorium, radium, radon
Heavy metals
Toxics

Personnel and facilities

Supervision - background
Tech - background
Are they full time