



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

NOV 4 1980

In Reply Refer To
RII:AFG
70-1201

Babcock and Wilcox Company
ATTN: Mr. W. F. Heer, Manager
Virginia Operations, Nuclear Materials
and Manufacturing Division
Commercial Nuclear Fuel Plant
P. O. Box 800
Lynchburg, VA 24505

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 12, 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

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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