

North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

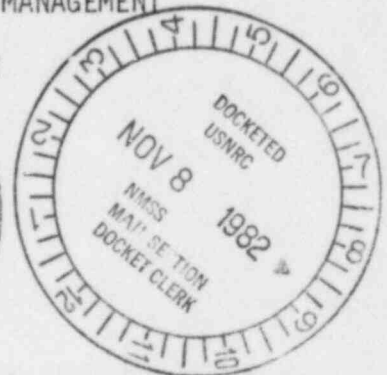
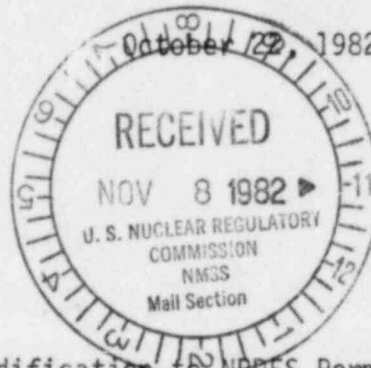
Joseph W. Grimsley, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT

70-1113

PDR Return to 396SS

Mr. James A. Long, General Manager
General Electric Company
Wilmington Manufacturing Department
P. O. Box 780
Wilmington, North Carolina 28402



Subject: Modification to NPDES Permit No. NC0001228
Groundwater Monitoring Program
General Electric Company
Wilmington, New Hanover County

Dear Mr. Long:

Reference is made to your letter of August 17, 1982, by which you requested approval of a groundwater monitoring program for assessing the integrity of the containment systems at your Wilmington site. Members of the Division staff have reviewed the proposed monitoring program and have determined the program to be satisfactory.

Based on the staff's review and recommendations, NPDES Permit No. NC0001228 is hereby modified by adding the following special condition in Part III F - Special Conditions:

Special Condition - Groundwater Monitoring

<u>WELL LOCATION</u>	<u>PARAMETERS</u>					<u>SAMPLE FREQUENCY</u>
	<u>Uranium</u>	<u>NH₃-N</u>	<u>NO₃-N</u>	<u>TDS*</u>	<u>Flouride</u>	
<u>Shallow Wells</u>						
Waste Treatment Area (8 wells)	X**	X	X	X	X	Monthly
CaF ₂ Filter Cake Area (4 wells)	X			X	X	Quarterly
Zirconium Sludge Storage Area (6 wells)	X***	X	X	X	X	Monthly
Final Lagoons Area (Wells No. 1,3,5,8,11)	X**	X	X	X	X	Quarterly
Well MW5A			X	X		Quarterly

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Mr. James A. Long
October 22, 1982
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<u>WELL LOCATION</u>	<u>PARAMETERS</u>					<u>SAMPLE FREQUENCY</u>
	<u>Uranium</u>	<u>NH₃-N</u>	<u>NO₃-N</u>	<u>TDS*</u>	<u>Flouride</u>	
<u>Deep Wells</u>						
Water Supply Wells 11, 14	X		X	X		Monthly
Water Supply Well 9	X		X	X	X	Monthly
Combined Water Supply Inlet	X		X	X		Monthly
Well MW5C	X		X	X		Quarterly

*TDS-Total Dissolved Solids

**Includes gross alpha and gross beta on Wells 5,6,7, and 9 at Waste Treatment area and Wells 1,3,5,8, and 11 at the final lagoons area

***Zirconium shall be sampled annually from the wells at this location.

All sample analysis results shall be submitted to the Division of Environmental Management on a quarterly basis.

If any parts, requirements, or limitations contained in these modifications are unacceptable to you, you have the right to an adjudicatory hearing before a hearing officer upon written demand to the Director within 30 days following receipt of these modifications, identifying the specific issues to be contended. Unless such demand is made, these modifications shall be final and binding.

If you have any questions concerning the modifications, please contact Mr. Preston Howard of the Wilmington Regional Office at telephone number (919) 256-4161.

Sincerely yours,
Original Signed By
FORREST R. WESTALL
FOR

Robert F. Helms
Director

RFH:APH/sf

cc: Mr. Perry Nelson
Mr. Jim Patrick, EPA
Mr. Reggie Baird
Mr. W. T. Crow, NRC
Wilmington Regional Office