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USNRC REGION II  
ATLANTA, GEORGIA

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Georgia Power

Edwin I. Hatch Nuclear Plant

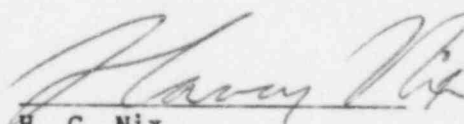
July 29, 1983  
GM-83-721

PLANT E. I. HATCH  
Licensee Event Report  
Docket No. 50-321

United States Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region II  
Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303

ATTENTION: Mr. James P. O'Reilly

Attached is a Supplemental Narrative Summary to Licensee Event Report No. 50-321/1979-021, Rev. 5. This report is required by Hatch Unit 1 Technical Specifications 6.9.1.9.d and Environmental Technical Specifications 3.2 and 5.7.2.

  
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July 29, 1983

SUPPLEMENTAL NARRATIVE SUMMARY  
TO  
LER 50-321/1979-021, REV. 5  
EDWIN I. HATCH NUCLEAR PLANT - HATCH 1  
NONROUTINE RADIOLOGICAL ENVIRONMENTAL OPERATING  
ANOMALOUS MEASUREMENT REPORT

This report which supplements the previous submittals on LER 50-321/1979-021 provides updated data on tritium levels in groundwater samples taken from locations where the average value during the second quarter of 1983 exceeded  $3.0 \text{ E4 pCi/l}$  which is the report level ;for tritium in environmental water samples according to Table 3.2-3 of the ETS. There continues to be no significant impact on the public health and safety due to these readings which exceeded the report level. As reported previously, any releases to unrestricted areas are through the outfalls of the drainage system; such releases continue to be small and result in nonsignificant doses to the public.

Reportable levels were found only at test holes N9B and T18. The tritium levels at these locations have been continuously reportable for over 4 years. The tritium levels found during the second quarter along with a complete listing of past average quarterly levels are presented in Table 1.

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Table 1  
High Tritium Levels

pCi/l

<u>Qtr. or Date</u>	<u>N9B</u>	<u>T18</u>
<u>QUARTERLY AVERAGES</u>		
3-78	3.45 E3	
4-78	4.49 E3	
1-79	3.42 E4	
2-79	8.50 E4	6.68 E4
3-79	1.38 E5	7.61 E4
4-79	1.71 E5	6.84 E4
1-80	1.73 E5	8.71 E4
2-80	1.79 E5	6.36 E4
3-80	1.64 E5	7.61 E4
4-80	1.13 E5	5.91 E4
1-81	1.06 E5	8.29 E4
2-81	8.17 E4	7.77 E4
3-81	8.47 E4	1.27 E5
4-81	9.77 E4	1.27 E5
1-82	4.20 E5	1.29 E5
2-82	4.42 E5	1.56 E5
3-82	3.64 E5	9.33 E4
4-82	3.12 E5	1.02 E5
1-83	3.64 E5	dry
2-83	3.58 E5	3.81 E4

During Second Quarter 1983

4/06	4.10 E5	
4/12		dry
4/19	4.11 E5	
4/26	4.07 E5	
5/11		dry
5/17	3.55 E5	
5/31	2.87 E5	
6/07		3.81 E4
6/14	3.16 E5	
6/28	3.23 E5	

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