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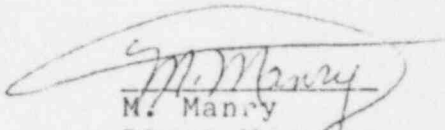
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PLANT E. I. Hatch
Licensee Event Report
Docket No. 50-321

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

Pursuant to Section 6.9.1.9.d of Plant Hatch Unit 1 Technical Specifications and Section 3.2 and 5.7.2 of the Hatch Unit 1 Environmental Technical Specifications, please find the attached Supplemental Narrative Summary to Reportable Occurrence Report No. 50-321/1979-021, Rev. 5. The attached report provides supplemental information to the previous submittal of this LER.


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WHR/cd

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OCTOBER 30, 1980

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

This report which supplements the previous submittals on LER 50-321/1979-21 provides updated data on tritium levels in groundwater samples taken from locations where the average value over the third quarter of 1980 exceeded 3.0 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 are minuscule and result in insignificant doses to the public.

There are four test wells from which the tritium levels in the groundwater samples are reportable - two from the area just south of CST-1 (T18 and T20), and two from the area north of the turbine building (N9B and T3). The tritium levels found in samples gathered during the second quarter at each of these locations are presented in Tables 1 and 2; the history of the average quarterly levels at these locations is also presented. There appears to have been few changes of substance in the levels during the quarter - both the reportable levels and those not required to be reported.

The high tritium levels found in the CST-1 area are attributed to the previously reported leaks associated with the condensate transfer pumps which occurred in December and February. Due to the dry summer, no samples were available at P-16.

The high tritium levels found in the area north of the turbine building are due to the previously reported process water releases from an open-ended line near P17B, which occurred prior to March 21, 1979, when this extraneous source was terminated. The quarterly average level at T4 has dropped to 5.18 E3 and is no longer reportable.

Supplement
Oct. 30, 1980

TABLE 1

TRITIUM LEVELS AT AFFECTED LOCATIONS IN CST-1 AREA

<u>Date or Quarter</u>	<u>pCi/L</u>		
	<u>P16</u>	<u>T18</u>	<u>T20</u>
<u>Quarterly Averages</u>			
2/78	1.44 E5		
3/78	1.54 E5		
4/78			
1/79	1.26 E5		
2/79	9.60 E4	6.68 E4	2.06 E4
3/79	7.08 E4	7.61 E4	1.84 E4
4/79	6.38 E4	6.84 E4	2.73 E4
1/80	9.18 E4	8.71 E4	2.27 E4
2/80	1.12 E5	6.36 E4	4.53 E4
3/80	dry	7.61 E4	4.45 E4
<u>During Third Quarter 1980</u>			
7/08	dry	7.22 E4	4.89 E4
7/22	dry	7.50 E4	4.85 E4
8/05	dry	7.28 E4	4.43 E4
8/14		5.46 E4	3.21 E4
8/21	dry		
9/04		9.13 E4	4.75 E4
9/18	dry	9.06 E4	4.58 E4

TABLE 2

TRITIUM LEVELS AT AFFECTED LOCATIONS IN AREA NORTH OF TURBINE BUILDING
pCi/L

<u>Date or Quarter</u>	<u>N9B</u>	<u>T3</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	1.19 E4
3/79	1.38 E5	1.28 E4
4/79	1.71 E5	2.01 E4
1/80	1.73 E5	2.47 E4
2/80	1.79 E5	3.92 E4
3/80	1.64 E5	4.60 E4
<u>During Third Quarter 1980</u>		
7/08	1.63 E5	4.29 E4
7/22	1.64 E5	4.59 E4
8/05	1.56 E5	3.20 E4
8/21	1.20 E5	3.53 E4
9/04	1.94 E5	5.88 E4
9/17	1.84 E5	
9/18		6.11 E4