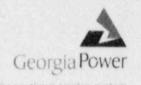
Georgia Power Company 333 Piedmont Avenue Atlanta, C. irgia 30308 Telephors, 14 526-6526

Mailing Address Post Office Box 4545 Atlanta, Georgia 30302

Nuclear Operations Department



SL-4881 2088C X7GJ17-H320

July 5, 1988

U. S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

> PLANT HATCH - UNITS 1, 2 NRC DOCKETS 50-321, 50-366 OPERATING LICENSES DPR-57, NPF-5 RESULTS OF CHEMISTRY CROSSCHECK SAMPLES

Gentlemen:

Enclosed are Georgia Power Company's results of the crosscheck of chemistry samples prepared by Brookhaven National Laboratory (BNL) and recently delivered to the Plant Hatch facility. These results have customarily been forwarded directly to Mr. Charles Hughey of the Region II Radiological Effluents and Chemistry Section. Mr. Hughey's Section Chief, Mr. J. B. Kahle, has been put on distribution for this letter.

Should you have any questions in this regard, please contact this office at any time.

Sincerely,

W. G. Heirston, III Senior Vice President Nuclear Operations

W.S. Hamt To

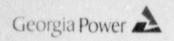
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Enclosure: Plant E. I. Hatch/Brookhaven Crosschecks

c: (see next page)

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U. S. Nuclear Regulatory Commission July 5, 1988 Page Two

c: Georgia Power Company
Mr. J. T. Beckhan Jr., Vice President - Plant Hatch
Mr. L. T. Gucwa, Manager Nuclear Safety and Licensing
GO-NORMS

U. S. Nuclear Regulatory Commission, Washington, D. C. Mr. L. P. Crocker, Licensing Project Manager - Hatch

U. S. Nuclear Regulatory Commission, Region II
Dr. J. N. Grace, Regional Administrator
Mr. J. E. Menning, Senior Resident Inspector - Hatch
Mr. J. B. Kahle, Section Chief of Radiological Effluents and Chemistry

ENCLOSURE

PLANT E. I. HATCH/BROOKHAVEN CROSSCHECKS

	Method	Sample ID	Analyte	Dil. factor	Tech. 1 Results(ppm)	AVG.	Tech. 2 Results(ppm	AVG.	Tech. 3 Results(p	pm) AVG.
SL-4881 2088C	IC	87A 87B 87C	*Chloride	2000	17.8,15.9,17.8 33.4,23.7,34.6 70.8,68.4,68.5	(17.2) (33.9) (69.2)	15.0,17.4,22.3 21.7,28.4,26.0 78.2,70.3,100.7	(18.2) (25.4) (81.1)	No more sample 25.8,26.4,26.9 57.3,57.3,53.2	(26.4) (55.9)
18	IC	87A 87B 87C	Sulfate	2000	20.3,19.5,20.3 41.5,41.5,41.3 81.9,81.7,82.0	(20.0) (41.4) (81.9)	17.5,21.1,20.8 30.6,40.6,39.6 86.5,89.2,108.9		No more sample 44.9,46.7,48.0 80.0,86.6,87.8	(46.5) (84.8)
	AA 51ame	87G 87H 87I	Iron	1000	20.0,19.8,20.3 39.6,41.0,39.8 57.0,57.1,58.0	(20. (40.1) (57.4)	21.0,21.5,21.2 41.5,41.3,41.4 62.6,62.2,62.2		24.2,24.7,23.6 42.8,43.6,42.4 62.3,61.3,62.8	(24.2) (42.9) (62.1
	AA flame	87G 87H 87I	Copper	1000	20.0,20.0,20.0 39.8,39.9,40.5 60.1,59.9,60.0	(20.0) (40.1) (60.0)	21.0,21.1,20.6 40.9,41.0,40.7 62.0,62.7,62.7		23.0,23.0,23.0 42.8,42.1,42.8 62.2,62.5,62.7	(23.0) (42.6) (62.5)
,	AA flame	87G 87H 87I	Nic el	1000	20.3,20.1,20.1 40.0,41.0,40.3 57.5,58.0,57.3	(20.2) (40.4) (57.8)	20.9,21.3,21.4 41.6,41.5,41.9 63.6,63.3,64.0	(21.2) (41.7) (63.6)	23.4,22.7,23.5 41.2,41.7,42.9 60.9,61.8,62.0	(23.2) (41.9) (61.6)
).	AA flame	87G 87H 87I	Chromium	1000	19.9,19.7,20.3 39.9,39.7,40.3 57.8,58.0,58.1	(19.9) (40.0) (58.0)	21.9,21.9,22.0 43.0,43.2,43.2 64.8,64.9,65.3	(21.9) (43.1) (65.0)	21.0,20.6,21.2 39.1,39.2,39.6 58.9,59.1,59.8	(20.9) (39.3) (59.3)
, te	IC	87J 87K 67L	Sodium	2000 30ul to 250ml	6.10,6.20,5.8 11.15,11.20,19.75 16.67,15.25,16.04	(6.0) (11.0) (15.9)	4.3,4.8,5.2 7.5,9.5,10.86 17.8,14.56,13.8	(4.8) (9.3) (15.4)	5.5,6.4,5.9 11.0,11.0,11.0 15.8,15.0,16.0	(5.9) (13.0) (15.6)
,	IC	87J 87k 87L	Lithium	2000 2000 30ul to 250ml	16.90,16.80,16.90 21.76,31.94,31.93 36.92,38.2,41.7	(16.9) (31.9) (38.9)	19.6,19.2,19.1 24.23,24.88,24.43 31.28,31.1,31.8	(19.3) (24.5) (31.4)	17.2,19.8,18.3 24.1,24.4,24.9 38.9,37.4,37.2	(18.4) (24.5) (37.8)
)	Spectro- photo- meter	87S 87T 87U	Silica	1000 1000 1000	35,42,44 90,83,88 139,132,133	(39.7) (87) (134.7)	40.9,37,40 88.2,89.1,89.5 133.2,135.0,134.2		47,45,37 93,93,97 139,129,108	(43) (94.3) (125)
	AA flame	Unk Metal	Iron	100	249.2,249.1,251.8	(250.0)				
,	AA flame	Unk Metal	Copper	100	253.0,253.1,253.9	(253,3)				
7/6	AA flame	Unk Metal	Ni	100	250.3,250.3,252.3	(251.0)	=			
88	AA flame	Unk Metal	Cr	300	251.1,243.9,244.8	(246.6)				
,	IC	Unk Anion	Chloride	2000	45.0,36.4,36.0	(39.1)			*Problems with defective concentrator columns.	
,	IC	Unk Anion	Sulfate	2000	52.4,54.0 55.1	(53.8)				