

Post-It™ brand fax transmittal memo 7671		# of pages 4
To C. M. VAUGHAN	From R. W. DARMITZEL	
Co.	Co.	
Dept.	Phone # 84823-4344	
Fax # 84292-5879	Fax # - 4516	



State of North Carolina
 Department of Environment, Health, and Natural Resources **FILE COPY**
 Wilmington Regional Office

James C. Martin, Governor
 William W. Cobey, Jr., Secretary

Bob Jamieson
 Regional Manager

DIVISION OF ENVIRONMENTAL MANAGEMENT

Groundwater Section

October 30, 1991

*Recd. 11/7/91
 B. Wolfe/eg*

CERTIFIED MAIL P 813 413 052
RETURN RECEIPT REQUESTED

Dr. Bertram Wolfe
 Vice President and General Manager
 General Electric Nuclear Energy
 175 Curtner Avenue
 Mail Code 803
 San Jose, California 95125

Subject: NOTICE OF VIOLATION
 15A NCAC 2L
 Groundwater Quality Violations
 General Electric
 Wilmington
 New Hanover County

Dear Dr. Wolfe:

On July 1, 1991 our office received notification from General Electric that a water supply well at the subject site was found to contain trace amounts of three volatile organic compounds. On July 22, 1991 and September 16, 1991, your company submitted additional analyses that confirmed the existence of volatile organic compounds in wells WW-1, WW-1A, WW-4A, WW-12, WW-13, CW-1B, CW-6B, WW-5A, WW-8A, WW-2B, CW-1C, and OB-2 at the site.

Many of these samples contained contaminant concentrations in excess of North Carolina groundwater standards. Specifically, the following groundwater violations have been identified from the data submitted by your company:

<u>Well No.</u>	<u>Date</u>	<u>Constituent</u>	<u>Reported Concentration</u>	<u>Standard</u>	<u>Class Groundwater</u>
WW-1	June 10, 1991	trichloroethylene	4.74 ppb	2.80 ppb	GA
WW-1	June 10, 1991	1,1-dichloroethane	2.78 ppb	NS*	GA
WW-1	June 10, 1991	benzene	1.27 ppb	1.00 ppb	GA
WW-1	June 10, 1991	tetrachloroethylene	0.86 ppb	0.70 ppb	GA

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<u>Well No.</u>	<u>Date</u>	<u>Constituent</u>	<u>Reported Concentration</u>	<u>Standard</u>	<u>Class Groundwater</u>
WW-1	June 10, 1991	naphthalene	34.4 ppb	NS*	GA
WW-1A	June 27, 1991	trichloroethylene	7.90 ppb	2.80 ppb	GA
WW-1A	June 27, 1991	1,1-dichloroethane	2.81 ppb	NS*	GA
WW-1A	June 27, 1991	benzene	1.40 ppb	1.00 ppb	GA
WW-1A	June 27, 1991	tetrachloroethylene	0.92 ppb	0.70 ppb	GA
WW-1A	June 27, 1991	naphthalene	39.0 ppb	NS*	GA
WW-4A	June 27, 1991	trichloroethylene	4.44 ppb	2.80 ppb	GA
WW-12	June 27, 1991	trichloroethylene	8.11 ppb	2.80 ppb	GA
WW-13	June 27, 1991	1,1-dichloroethane	1.77 ppb	NS*	GA
CW-1B	June 27, 1991	trichloroethylene	4.98 ppb	2.80 ppb	GA
CW-6B	June 27, 1991	trichloroethylene	16.4 ppb	2.80 ppb	GA
WW-5A	July 2, 1991	trichloroethylene	124 ppb	2.80 ppb	GA
WW-5A	July 2, 1991	chloroform	2.60 ppb	0.19 ppb	GA
WW-5A	July 12, 1991	trichloroethylene	103 ppb	2.80 ppb	GA
WW-5A	July 12, 1991	chloroform	8.00 ppb	0.19 ppb	GA
WW-8A	July 18, 1991	naphthalene	0.77 ppb	NS*	GA
MW-2B	July 31, 1991	trichloroethylene	3.37 ppb	2.80 ppb	GA
WW-12	August 1, 1991	trichloroethylene	7.44 ppb	2.80 ppb	GA
WW-12	August 1, 1991	1,1-dichloroethane	0.87 ppb	NS*	GA
WW-13	August 1, 1991	1,1-dichloroethane	1.90 ppb	NS*	GA
CW-1B	August 1, 1991	trichloroethylene	3.76 ppb	2.80 ppb	GA
CW-1C	August 1, 1991	trichloroethylene	13.7 ppb	2.80 ppb	GA
OB-2	August 1, 1991	trichloroethylene	3.17 ppb	2.80 ppb	GA

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<u>Well No.</u>	<u>Date</u>	<u>Constituent</u>	<u>Reported Concentration</u>	<u>Standard</u>	<u>Class Groundwater</u>
OB-2	August 1, 1991	naphthalene	25.2 ppb	2.80 ppb	GA
CW-6B	August 2, 1991	trichloroethylene	12.0 ppb	2.80 ppb	GA
WW-1A	August 22, 1991	trichloroethylene	10.2 ppb	2.80 ppb	GA
WW-1A	August 22, 1991	1,1-dichloroethane	3.59 ppb	NS*	GA
WW-1A	August 22, 1991	benzene	1.54 ppb	1.00 ppb	GA
WW-1A	August 22, 1991	tetrachloroethylene	1.20 ppb	0.70 ppb	GA
WW-1A	August 22, 1991	naphthalene	24.5 ppb	NS*	GA
WW-12	August 22, 1991	trichloroethylene	5.33 ppb	2.80 ppb	GA
WW-12	August 22, 1991	1,1-dichloroethane	1.30 ppb	NS*	GA
WW-5A	August 23, 1991	trichloroethylene	13.1 ppb	2.80 ppb	GA
WW-5A	August 23, 1991	chloroform	0.73 ppb	0.19 ppb	GA

*(NS) narrative standard - substances which are not naturally occurring and for which no standard is specified shall not be permitted in detectable concentrations in Class GA or Class GSA groundwaters.

For your reference, Class GA groundwaters are defined as those groundwaters that: 1) naturally contain 250 ppm or less of chlorides; 2) are an existing source (or potential source) of drinking water supply for humans; and 3) occur in the saturated zone.

To eliminate these violations you are required to take the following actions in accordance with applicable provisions in 15A NCAC 2L .0106:

- 1) Determine and eliminate the source(s) of contamination;
- 2) Assess the horizontal and vertical extent of the violations;
- 3) Assess the significance of the violations;
- 4) Submit the results of the assessment along with a remedial action plan (RAP), a plan that provides for restoration of groundwater quality to the level of the standards.

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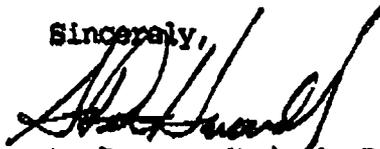
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Failure to comply with this notice may result in an enforcement report to the Director that General Electric be assessed a maximum penalty of \$10,000.00 per day per violation.

We request that General Electric Corporation respond to this letter within fifteen (15) days of its receipt notifying our office of General Electric's intent to comply with this notice. Furthermore we suggest that representatives of your company and representatives of our staff meet to negotiate a Special Order by Consent (SOC) that will formalize what General Electric proposes to do to eliminate these violations.

If you have any questions regarding this matter, please do not hesitate to call Rick Shiver or Steve Clark at (919) 395-3900.

Sincerely,



A. Preston Howard, Jr., P.E.
Regional Supervisor

APH\RSS\SLC\

cc: William Ogden
Herb Strickler
Perry Nelson
WIRO-GWS
CF

STEVEC\GENOV.OCT
10-24-91