

VIRGINIA ELECTRIC AND POWER COMPANY

March 8, 1984

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Thomas Voltaggio  
U.S. Environmental Protection Agency  
Region III  
Environmental Emergency Branch (3ES00)  
Curtis Building  
6th and Walnut Streets  
Philadelphia, Pennsylvania 19106

Re: Oil Spill Questionnaire VA-84-092 - 2/14/84 - North Anna Power Station

Dear Mr. Voltaggio:

Enclosed is the completed spill questionnaire (No. VA-84-092 - 2/14/84 North Anna Power Station) for the oil spill that occurred at our North Anna Power Station on February 14, 1984.

If you desire any additional information, please contact us.

Very truly yours,

John A. Taylor, Ph.D.  
Manager, Water Quality

RLE/sp

Enclosure

cc: Mr. W. L. Kregloe, SWCB (with Enclosure)  
Mr. James P. O'Reilly, USNRC, Docket No. 50-338/50-339 (with Enclosure)  
Mr. Harold R. Denton, USNRC, Docket No. 50-338/50-339 (with Enclosure)  
Mr. M. W. Branch, USNRC, Docket No. 50-338 (with Enclosure)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
6TH AND WALNUT STREETS  
PHILADELPHIA, PENNSYLVANIA 19106

February 29, 1984

VEPCO  
P. O. Box 26666  
Richmond, Virginia 23261

Re: VA-84-092 2/14/84 North Anna Power Station, Louisa County

Gentlemen:

This office has received notification that your facility discharged oil or hazardous materials in harmful quantities in violation of Section 311 (b) (3) of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1321 (b) (3) as referenced above. You are hereby requested to submit to EPA the following information

(a) Time and date of discharge:

9:10 a.m.; February 14, 1984

(b) Material(s) discharged:

Lubricating oil

(c) Description of the vehicle or facility from which the material was discharged (i.e., pipeline, tank, well, etc.)

Drive chain lubricant reservoir for one of the Unit 2 intake screens

(d) Name and address of the owner/operator of the vehicle or facility described above in (c):

Virginia Electric and Power Company

Attn. Dr. John A. Taylor, Water Quality Dept.

P. O. Box 26666, Richmond, Virginia 23261

(e) Name and address of the operator of the vehicle or facility described above in (c) and, if different from (d) above, describe the relationship between the owner and operator (i.e., employee, subcontractor, lessee, etc.):

See (d) above

- (f) Location of the discharge, including county and state:

The sheen was located on Lake Anna, Louisa County, Virginia, near the  
condenser cooling water intake structure.

- (g) Quantity of material discharged from the facility or vehicle:

Unknown, but is believed to have been quite small.

- (h) Did the material reach any water (YES or NO): Yes

Did the material reach any sewer (YES or NO): No

- (1) If YES, describe the first water reached and the location of this water:

Lake Anna at the condenser cooling water intake structure

- (2) State the quantity of material reaching the water described above in (h) (1):

See (g) above

- (3) State the quantity of material reaching the shoreline of the water described above in (1) which did not reach the water:

None

- (4) Was the water described above in (a) (1), at the time of the spill, a tributary of, or physically connected to, any part or tributary of a riverine, hydrological or creek system? (YES or NO) Yes

- (5) If the answer to (4) is YES, describe or name the waterways to which the waters in (h) (1) connect or flow:

North Anna River

- (6) If the answer to (4) is NO, does the water described above in (h) (1) periodically connect with or flow into any tributary or part of any riverine, hydrological or creek system? If YES, describe the flow and connection:

N/A

- (i) Did the material cause any film, sheen, discoloration or iridescent appearance on the adjoining shorelines of, or surface of, any water described above in (3), (4), (5), or (6)? If YES, describe:

Yes, a small sheen was observed near the intake structure on Lake Anna.

- (j) Did the material cause any sludge or emulsion to be deposited on the adjoining shorelines of, or beneath the surface of, the waters described above in (3), (4), (5), or (6)? If YES, describe:

Not to our knowledge

- (k) Does the facility have a NPDES Permit? (YES or NO) Yes

- (l) Did the discharge violate any applicable water quality standards, e.g., NPDES? If YES, describe:

To the best of our knowledge no water quality standards were violated.

No analytical data were obtained.

- (m) Date and time of discovery that the discharge was reaching the waterway:

9:10 a.m.; February 14, 1984.

- (n) Describe in detail what actually caused the discharge:

A weld on the drive chain lubricant reservoir for one of the Unit 2 intake screens developed a crack and a small amount of lubricating oil dripped out.

- (o) Describe any observed damage to animal life or vegetation:

None

- (p) Describe steps taken to contain and clean up the spilled material and mitigate environmental damage:

A containment boom was placed around the small sheen and the oil was removed from the lake surface with absorbent material. The crack in the lubricating reservoir was repaired.

- (q) List the federal and state agencies, if any, to which the owner or operator reported the discharge. Show the agency, its location, the date and time of notification the official contacted:

National Response Center; Washington, D. C.; 2/14/84, State Water

Control Board, Valley Regional Office; Bridgewater, VA; 2/14/84.

- (r) List the state and local officials who were on-scene at the spill during or after clean up:

None

- (s) List the names and addresses of persons believed to have knowledge of the facts surrounding this incident:

E. W. Harrell, Station Manager, North Anna Power Station,

P. O. Box 702, Mineral, Virginia 23117

- (t) List the type of oil and total storage capacities at the facility for any oil related products. Describe the storage tanks at the facility, e.g., above ground, underground, etc.:

See the attached list.

- (u) Describe action taken or proposed to prevent a recurrence of this type of spill:

The crack in the lubricating reservoir was repaired.

- (v) Does the facility have a Spill Prevention Control and Countermeasures (SPCC) Plan certified and implemented in accordance with 40 CFR 112? YES or NO: Yes

- (w) List any other information you wish to bring to the attention of the federal government:

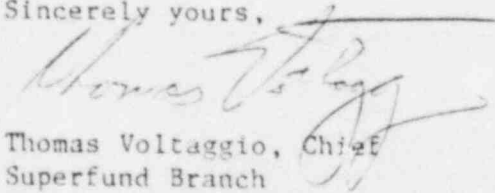
None

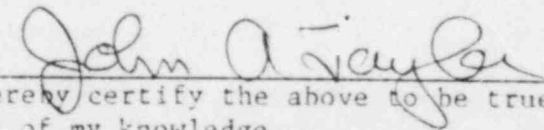
The above information should be mailed to :

US ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
ENVIRONMENTAL EMERGENCY BRANCH (3ES00)  
CURTIS BUILDING  
6th & WALNUT STREETS  
PHILADELPHIA, PA 19106

If you cannot answer this letter by March 19, 1984 or if there are any questions on this matter, you may call Carol Oleksiak at (215) 597-9898.

Sincerely yours,

  
Thomas Voltaggio, Chief  
Superfund Branch

  
I hereby certify the above to be true and accurate to the best of my knowledge.



Location of Oils - North Anna Power Station OperationsFuel Oil - No. 2

1	5,000 bbl storage tank (210,000 gal)	Above ground
2	50,000 gallon storage tank	Below ground
4	1,000 gallon day tanks	Diesel Generator Room
	Maximum Storage Capacity	314,000 gallons
	Average Daily Usage	6,000 gallons
	Average Daily Received	6,000 gallons
1	250 gallon fire pump-tank	Within Service water pump house
1	270 gallon fire pump-tank	Within Warehouse No. 5 pump house

Lubricating Oil

2	16,000 gallon storage tank	Within Turbine Building
2	14,000 gallon storage tank	Within Turbine Building
2	2,000 gallon storage tank	Within Turbine Building
2	200 gallon storage tank	Within Turbine Building
	Maximum Storage Capacity	64,000 gallons

Gasoline (Outside security fence - Adjacent to Warehouse No. 2)

1	3,000 gallon tank (regular)	Below ground
1	1,000 gallon tank (unleaded)	Below ground

Transformers

4	18 MVA Station transformers	Cooling water intake structure
3	330 MVA Main station transformers	North side of Turbine Building
6	15 MVA Station service transformers	North side of Turbine Building

Location of Oils - North Anna Unit 3 ConstructionFuel Oil - Diesel

1	7,500 gallon tank (fuel depot)	Below ground
1	7,500 gallon tank (Warehouse No. 1)	Below ground

Gasoline

1	10,000 gallon tank (fuel depot)	Below ground
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