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VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

October 15, 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

U. S. Environmental Protection Agency
Region III
Superfund Branch (3HW22)
Curtis Building
6th and Walnut Streets
Philadelphia, Pennsylvania 19106

Oil Spill Questionnaire VA-273 - 9/27/84 - North Anna Power Station

Gentlemen:

Attached is the completed form submitted to this office on October 4, 1984 by Mr. Thomas Voltaggio on the above referenced oil spill.

If you have any questions or desire additional information, please contact us.

Very truly yours,

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

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

OCT 4 1984

VEPCO
P.O. Box 26666
Richmond, VA 23261

Re: VA-84-273 9/27/84 Mineral, VA

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:

1335 hours September 27, 1984

(b) Material(s) discharged:

lubrication oil

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

oil separator

(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 Department

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 discharge canal from North Anna Power Station, Louisa County, Virginia

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

Approximately 1 quart

(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:**

The discharge canal leading to Lake Anna

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

Approximately 1 quart

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

Unknown

(4) **Was the water described above in (h) (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:**

Lake Anna and the 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 irridescent appearance on the adjoining shorelines of, or surface of, any water described above in (3), (4), (5), or (6)? If YES, describe:

A film was observed behind an absorbent boom before the boom broke loose.

(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:

No

(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 was obtained.

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

September 27, 1984 at 1335 hours

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

A small amount of oil that had collected behind a permanent boom placed around the discharge from the oil separator escaped when the boom broke loose from its mooring.

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

None was observed

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

The boom was reattached and material was placed behind it to absorb any remaining oil. That oil which escaped was quickly dispersed by high winds and no cleanup was possible.

(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:**

(1) National Response Center, Washington, D. C., September 27, 1984, 1335 hours (Mr. Bryan)

(2) State Water Control Board, Valley Regional Office (SWCB) September 27, 1984, 1357 hours (Bill Kregloe)

(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 attached sheet

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

See attached sheet

(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
SUPERFUND BRANCH (3HW22)
CURTIS BUILDING
6th & WALNUT STREETS
PHILADELPHIA, PA 19106

If you cannot answer this letter by Oct. 18 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 Operations

Fuel 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 Construction

Fuel 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

u. In the past few months the Company has undertaken several projects to prevent oil spills to either North Anna Lake, the discharge canal, or the Waste Heat Treatment Facility. The following is a partial list of those projects.

1. One man has been assigned the task of inspecting all likely sources of oil spills. Further, he has been given the task of insuring all spill cleanup is thorough and complete.

2. Work has begun to remove and replace all oil stained or soaked soil with clean fill.

3. Work has begun to construct and use a waste oil storage area with a concrete floor and berms.

4. The oil/water separator has been inspected, cleaned, and adjusted in accordance with the suggestions made by a representative of the oil/water separator manufacturer during a site visit in the spring of 1983.

5. A study has been completed that re-examined the design and flow characteristics of the oil/water separator. Results of the study show that the separator is operating properly.

6. The station has purchased, installed, and is using several oil skimmers to remove any oil that might accumulate in sumps within the station.

7. A drum management plan has been developed and implemented on site. The plan addresses the contents of the drums on-site, as well as the location, handling, and storage or disposal of these materials. In this way oil and other materials on site are better tracked and utilized.

8. An evaluation has been completed of the establishment of satellite, emergency oil spill control stations on-site. This evaluation considered the need, location, and equipment needed in the event a spill occurs and also considered the history of oil spills at the site. Stations are currently under construction and will be placed within the next two months.

9. The station Spill Prevention Control and Countermeasures Plan and the General Employee Training program (required annually), are being revised to further emphasize and eliminate the problems that contribute to oil to further emphasize and eliminate the problems that contribute to oil spills. The training program has been updated to include spill recognition and control.

10. The station is contracting for concrete oil collection basins to be placed at five critical storm drain outfalls. These basins will be monitored daily.