



VIRGINIA POWER

April 1, 1992

Mr. David Wright, Chief
Oil and Title III Section (3HW34)
U. S. Environmental Protection Agency
Region III
11th and Chapline Streets
Wheeling, WV 26003

RE: NORTH ANNA POWER STATION, OIL SPILL QUESTIONNAIRE VA92166;
FEBRUARY 26, 1992; LOUISA COUNTY, MINERAL, VA

Dear Mr. Wright:

Attached is the completed oil spill questionnaire for the above referenced incident.

Should you desire additional information or have any questions in this matter, please contact Daniel James at (804) 273-2996.

Sincerely,

B. M. Marshall, P.E.
Manager
Water Quality

cc: U.S. Nuclear Regulatory Commission
Docket No. 50-338/50-339
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323

U.S. Nuclear Regulatory Commission
Attn: Docket Control Desk
Docket No. 50-338/50-339
Washington, DC 20555

Mr. M. S. Lesser
NRC Sr. Resident Inspector
North Anna Power Station

Valley Regional Office
Virginia Water Control Board
116 North Main Street
Bridgewater, VA 22812

Cool
1/1



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

Office of Superfund
Paula Curtin

Direct Dial (304) 234-0256
Mail Code 3HW34
Oil Response

MAR 12 1992

Virginia Power Company
P.O. Box 402
North Anna Power Station
Mineral, Virginia 23117

RE:VA92166

February 26, 1992

Lousia Cnty, Mineral, VA

Gentlemen:

This office has received notification that your facility discharged oil or hazardous materials in quantities that may be harmful, in violation of Section 311(b)(3) of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. Section 1321(b)(3). Pursuant to Section 308(a), 33 U.S.C. Section 1318(a), you are hereby required to submit to EPA the following information. Any person who violates Section 308 is subject to a civil penalty of up to \$10,000 per day of violation 33 U.S.C. § 1319(d). Further, any person who willfully or negligently violates Section 308 may be punished by a fine of not less than \$2,500, nor more than \$25,000 per day of violation, or by imprisonment for not more than one year or both, 33 U.S.C. Section 1319(c)(1).

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) Permit? YES or NO Yes If YES, state the Permit number: VA0052451
2. Does the facility currently have a Resource Conservation and Recovery Act (RCRA) Permit or is the facility under Interim Status?
No
3. Does the facility have a Spill Prevention Control and Countermeasure (SPCC) Plan certified and implemented in accordance with 40 CFR 112?
YES or
NO: Yes

4. Time and date of discharge.

At approximately 1915 hours, February 26, 1992

5. Date and time of discovery that the discharge was entering the waterways.

No discharge to waterways

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

Auxiliary boiler and emergency diesel generator fuel supply system

7. Name and address of the owner of the vehicle or facility described above in (6).

Virginia Power - Attn: B. M. Marshall, Manager Water Quality

5000 Dominion Boulevard

Glen Allen, VA 23060

8. Name and address of the operator of the vehicle or facility described above in (6) and, if different from (7) above, describe the relationship between the owner and operator (i.e., employee, subcontractor, lessee, etc.)

Virginia Power - Attn: B. M. Marshall, Manager Water Quality

5000 Dominion Boulevard

Glen Allen, VA 23060

9. Location of the discharge, including county and state.

Outfall of storm drain into waste heat treatment facility, North

Anna Power Station, Louisa County, Virginia

10. 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 attachment

11. Material(s) discharged.

Diesel fuel oil

12. Quantity of material discharged from the facility or vehicle.

Approximately 1000 gallons into the stormwater pipe, of which less than 5 gallons into the discharge canal

13. Did the material enter into any water? (YES or NO) Yes

Did the material enter into any sewer? (YES or NO) Yes

- (a) If YES, describe the first water reached and the location of this water.

Discharge canal which leads to the waste heat treatment facility

- (b) State the quantity of material entering the water described above in 13(a).

Less than 5 gallons

- (c) State the quantity of material reaching the shoreline of the water described above in 13(a) which did not enter the water.

Less than 5 gallons

- (d) Was the water described above in 13(a), at the time of the spill, a tributary of, or physically connected to a navigable waterway.

(YES or NO) No

- (e) If the answer to 13(d) is YES, describe or name the waterways to which the waters in 13(a) connect or flow.

N/A

- (f) If the answer to 13(d) is NO, does the water described above in 13(a) periodically connect with or flow into any hydrological or creek system? If YES, describe the flow and connection.

Discharge canal leads to the waste heat treatment facility which
discharges to Lake Anna

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

No

15. Did the material cause a film, sheen, discoloration or iridescent appearance on the adjoining shorelines of, or surface of, any water described above in 13(a) (e) or (f)? If YES, describe:

Yes. Only in the discharge canal. None of the fuel escaped to the
waste heat treatment facility

16. 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 13(a) (e) or (f)? If YES, describe:

No

17. Describe any observed damage to animal life or vegetation.

None

18. Describe in detail what actually caused the discharge.

A fuel oil pump strainer drain broke open and leaked diesel fuel into
a building sump which overflowed into the storm drain system

19. Describe steps taken to contain and clean up the spilled material and mitigate environmental damage.

Most of the diesel fuel was trapped in the stormwater pipe and pumped out.
The pipe was flushed and fuel/water mixture captured at the outfall 004
oil/water separator and removed for disposal. Fuel in the canal was captured
by the permanent oil booms and removed with absorbents.

20. Describe action taken or proposed to prevent a recurrence of this type of spill.

Repaired and increased preventive maintenance of the equipment involved.

21. 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 and the official contacted.

National Response Center, 2-26-92, 2115 Hours, Mr. Jamison.
Virginia State Water Control Board, Richmond, VA, 2-26-92, 2030 Hrs., Mr. Sineath
Nuclear Regulatory Commission, 2-26-92, 2145 Hrs., J. B. Blankenship

22. List the state and local officials who were on-scene at the spill during or after clean up.

None

23. List the names and addresses of persons believed to have knowledge of the facts surrounding this incident.

G. E. Kane, North Anna Power Station

P. O. Box 402, Mineral, VA 23117

24. List any other information you wish to bring to the attention of the federal government.

This event was reported due to the large volume of fuel spilled to the storm drain system and the potential for a large discharge. However, containment and recovery actions were successful and none of the fuel was discharged to the waterways.

The above information should be mailed to:

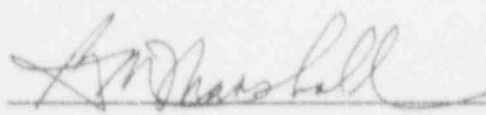
U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION III
OIL AND TITLE III SECTION (3HW34)
303 METHODIST BUILDING
11TH & CHAPLINE STREETS
WHEELING, WEST VIRGINIA 26003

If you cannot answer this letter by April 2, 1992, or if there are any questions on this matter, you may call Paula Curtin at (304) 234-0256.

Sincerely,



David Wright, Chief
Oil and Title III Section

Signature: 

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

This information request is not subject to review by the Director of OMB pursuant to the requirements of the Paperwork Reduction Act, 44 U.S.C. Section 3507.

6.0 SUMMARY TABLE OF THE LOCATION OF OILS
LOCATION OF OILS - NORTH ANNA POWER STATION OPERATIONS

FUEL OIL - NO. 2

| | | |
|---|--------------------------------------|---|
| 1 | 5,000 hbl 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 |
| 1 | Average Received | 6,000 gallons |
| 1 | 250 gallon pump-tank | Within Service water pump house |
| 1 | 270 gallon fire pump-tank | Within Warehouse No. 5 pump house |
| | 500 gallon security tank | Below ground |

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 |
| | Outside security fence - Adjacent to Warehouse #2 | Below ground |

GASOLINE

| | | |
|---|-------------------------------|--------------------|
| 1 | 3,000 gallon tank (regular) | Below ground |
| 1 | 1,000 gallon tank (unleaded) | Below ground |
| | (Outside Maintenance Garage) | |
| 1 | 10,000 gallon tank (unleaded) | Below ground |

DIESEL

WASTE OIL

| | | |
|---|--|--------------------|
| 1 | 5,800 gallon tank (oil separator) | Below ground |
| 1 | 1,500 gallon tank (oil storage building) | Above ground |
| 1 | 550 gallon tank (Maintenance Garage) | Below ground |

TRANSFORMERS

| | | |
|---|-------------------------------------|--------------------------------------|
| 4 | 18 MVA Station transformers | Cooling water intake structure |
| 8 | 330 MVA Main station transformers | North side of Turbine Building |
| 6 | 15 MVA Station service transformers | North side of Turbine Building |

CONTAMINATED OIL

| | | |
|--|-----------------|---|
| | 55 gallon drums | Stored above ground in the Clarifier Building |
|--|-----------------|---|

LOCATION OF OILS - NORTH ANNA MAIN DAM

FUEL OIL - DIESEL

2 750 gallon tank Above ground