



VIRGINIA POWER

November 9, 1992

Mr. David Wright, Chief  
Oil and Title III Section (3HW34)  
U.S. Environmental Protection Agency  
Region III, 303 Methodist Bldg.  
11th & Chapline Streets  
Wheeling, WV 26003

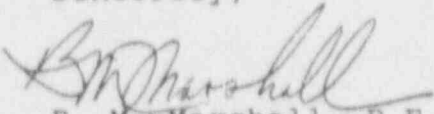
RE: NORTH ANNA POWER STATION OIL RESPONSE QUESTIONNAIRE VA93003;  
OCTOBER 2, 1992; LOUISA COUNTY, MINERAL, VA

Dear Mr. Wright:

Attached is the completed oil response questionnaire for the above referenced incident. I would like to point out that this oil discharge was contained within the station's treatment facilities and no discharge to waters outside those facilities occurred.

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

Attachments

cc: (w/attachments)  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW  
Suite 2900  
Atlanta, GA 30323  
Re: North Anna Units 1 & 2  
Docket Nos. 50-338/50-339  
License Nos. NPF-4/NPF-7

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555  
Re: North Anna Units 1 & 2  
Docket Nos. 50-338/50-339  
License Nos. NPF-4/NPF-7

130083 Mr. M. S. Lesser  
NRC Senior Resident Inspector  
North Anna Power Station

9211160110 921109  
PDR ADOCK 05000338  
S PDR

*Cool*  
11



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

OCT 22 1992

Virginia Power  
P.O. Box 402  
Mineral, VA 23117

RE: VA 93003

October 2, 1992

Louisa 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. Section 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.

Event occurred at approximately 1900 hours, October 2, 1992. No discharge outside of the station's treatment facilities occurred.

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

No discharge to waterways occurred.

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

VPDES internal outfall 004, oil/water separator.

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 - North Anna Power Station

P. O. Box 402

Mineral, VA 23117

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

VPDES internal outfall 004, North Anna Power Station, Mineral,

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.

Material involved in this event was oily water.

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

None.

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

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

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

The power station's 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.

None.

- (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.

The station's 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 irridescent 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. Less than 1 pint of oil escaped to the Waste Heat Treatment Facility. None was discharged to Lake Anna.

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.

Oily water being pumped to the oil/water separator for treatment  
had been inadvertently pumped to the outlet side of the separator  
rather than the inlet side as intended. Therefore, the oily water  
bypassed the treatment unit and was discharged into the Discharge Canal  
at Outfall 004.

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

Oil in the Discharge 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.

A procedure will be developed to provide instructions for the discharge  
of oily water to the oil/water separator system. Also, the manholes in  
the system have been clearly labeled to prevent introduction of wastewater  
to the wrong part of the system.

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, 10-2-92, 2105 Hours, Ens. John Cromwell  
Dept. of Emergency Services, Richmond, VA, 10-2-92, 2102 Hrs., Michael Cocker  
Nuclear Regulatory Commission, 10-2-92, 2144 Hours

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.

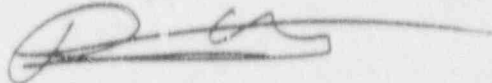
Containment & recovery actions were successful and none of the oil was  
disc'arged to the waterways. A copy of our follow up letter to the  
Virginia State Water Control Board is attached.

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

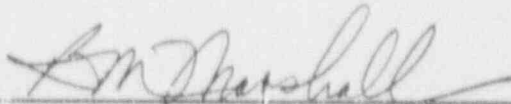
If you cannot answer this letter by November 12, 1992, or if there are any questions on this matter, you may call Paula Curtin at (304) 234-0256.

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 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
1	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

#### GASOLINE (Outside security fence—Adjacent to Admin Annex)

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 (Outside Maintenance Garage)

1	10,000 gallon tank	Below ground
---	--------------------	--------------

#### 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

North Anna  
ENV 43/Oil Spill Rpts.

October 8, 1992

Mr. William L. Kregloe  
Virginia Water Control Board  
Valley Regional Office  
116 North Main Street  
P. O. Box 268  
Bridgewater, VA 22812

RE: NORTH ANNA POWER STATION - OIL RELEASE 10/2/92

Dear Mr. Kregloe:

An oil release to the discharge canal occurred at North Anna Power Station on October 2, 1992. This letter confirms our report of the incident to the Department of Emergency Services at 2102 hours, and to the National Response Center at 2105 hours, on that date. Notification was also made to the Nuclear Regulatory Commission at 2144 hours.

At approximately 1900 hours on October 2, station personnel discovered an oil sheen on the discharge canal. Upon investigation it was determined that oily water being pumped to the oil/water separator for treatment had been inadvertently pumped to the outlet side of the separator rather than the inlet side as intended. Therefore, the oily water bypassed the treatment unit and was discharged into the canal at Outfall 004.

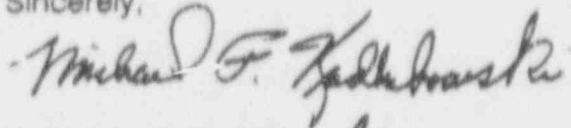
It has been determined that a total quantity of less than 5 gallons of oil was involved in this event, most of which was captured by absorbents at the 004 outfall structure and at the permanent oil booms in the discharge canal. A small amount, estimated at less than one pint, escaped the oil booms into the Waste Heat Treatment Facility (WHTF). Most of this oil was contained by a temporary boom and captured by absorbents. No oil from this release would be expected to reach the discharge to state waters from the WHTF to Lake Anna (Outfall 010). No evidence of environmental damage was found.

In order to preclude future recurrence of this incident, a procedure will be developed to provide instructions for the discharge of oily water to the oil/water separator system. Also, the manholes in the system have been clearly labeled to prevent introduction of wastewater to the wrong part of the system.

Mr. William L. Kregloe  
October 8, 1992  
Page 2

Should you desire additional information or have any questions about 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  
Region II  
101 Marietta St., NW  
Suite 2900  
Atlanta, GA 30323  
Re: North Anna Units 1 & 2  
Docket Nos. 50-338/50-339  
License Nos. NPF-4/NPF-7

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555  
Re: North Anna Units 1 & 2  
Docket Nos. 50-338/50-339  
License Nos. NPF-4/NPF-7

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