



VIRGINIA POWER

May 29, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulations
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 85-387
Docket Nos.: 50-280/50-281
License Nos.: DPR-32/DPR-37

Virginia Electric and Power Company
Surry Power Station/Units 1 and 2
National Pollutant Discharge Elimination System Permit Reissuance

*See Environment
Report*

Dear Mr. Denton:

Enclosed for your information is a copy of the reissued National Pollutant Discharge Elimination System (N.P.D.E.S.) permit for Surry Power Station which we recently received from the Virginia State Water Control Board. This document is being sent in accordance with our agreement to keep the U. S. Nuclear Regulatory Commission informed of changes to our N.P.D.E.S. permit.

Very truly yours,

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

Enclosure

cc: Dr. J. Nelson Grace - Docket Nos: 50-280/50-281
Mr. Donald J. Burke - Docket Nos: 50-280/50-281

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PDR ADDCK 05000280
P PDR

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NOTED MAY 2 1985 M.F.K.

COMMONWEALTH of VIRGINIA

STATE WATER CONTROL BOARD

2111 Hamilton Street

April 26, 1985

Richard N. Burton
Executive Director

Post Office Box 11143
Richmond, Virginia 23230
(804) 257-0056

Dr. John A. Taylor
Manager Water Quality
P. O. Box 26666
Richmond, VA 23261

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Dear Dr. Taylor:

The Executive Director has approved the attached effluent limitations and monitoring requirements and directed the staff to reissue an NPDES Industrial Permit to VEPCO - Surry Power Station. This approval is in accordance with a memorandum dated April 5, 1985, from the Director, Office of Water Resources Management. A copy is enclosed for your information.

Virginia-NPDES Permit No. VA0004090 is also enclosed. In accordance with the permit, the permittee is required to submit monitoring reports to the Piedmont Regional Office. These reporting forms are included with the permit. The permittee will be responsible for obtaining additional copies of the reporting forms.

If you have any additional questions, please do not hesitate to contact us.

Sincerely yours,

Larry G. Lawson, P.E.
Director
Office of Water Resources Management

bhr
attachments

cc: SWCB - Piedmont Regional Office
SWCB - Office of Water Resources Management
EPA - Region III 3WM51

enclosure memorandum dated April 5, 1985 from Director, Office of Water Resources Management
Permit No. VA0004090

50-280

SURRY 1

VEPCO

NATIONAL POLLUTANT DISCHARGE ELIMINATION
SYSTEM PERMIT REISSUANCE

Rec'd w/ ltr dtd 5/29/85.....8506070646

- NOTICE -

THE ATTACHED FILES ARE OFFICIAL
RECORDS OF THE INFORMATION &
RECORDS MANAGEMENT BRANCH.
THEY HAVE BEEN CHARGED TO YOU
FOR A LIMITED TIME PERIOD AND
MUST BE RETURNED TO THE
RECORDS & ARCHIVES SERVICES
SECTION, T5 C3. PLEASE DO NOT
SEND DOCUMENTS CHARGED OUT
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ANY PAGE(S) FROM DOCUMENT
FOR REPRODUCTION MUST BE
REFERRED TO FILE PERSONNEL.

- NOTICE -



COMMONWEALTH of VIRGINIA

STATE WATER CONTROL BOARD
2111 Hamilton Street

Richard N. Burton
Executive Director

Post Office Box 11143
Richmond, Virginia 23230
(804) 257-0056

Permit No.: VA0004090
Effective Date: April 26, 1985

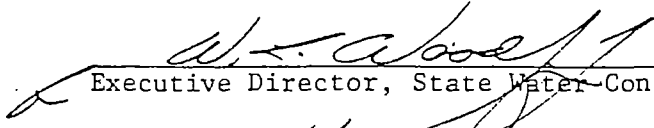
Expiration Date: April 26, 1990

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

THE VIRGINIA STATE WATER CONTROL LAW

1. In compliance with the provisions of the Federal Water Pollution Control Act and pursuant to the State Water Control Law and regulations adopted pursuant thereto, Virginia Electric and Power Company - Surry Power Station is authorized to discharge from a facility located at Surry, Virginia to receiving waters named James River, James River Basin (Lower), Section 1, Class II, Special Standard: a in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in this permit.
2. Design and operation of facilities and/or treatment works and disposal of all wastes shall be in accordance with the application filed with the State Water Control Board and in conformity with the conceptual design, or the plans, specifications and/or other supporting data approved by the Board. The facilities shall be operated in accordance with the conditions of the permit.
3. The approval of the treatment works conceptual design or the plans and specifications does not relieve the permittee of the responsibility of designing and operating the facility in a reliable and consistent manner to meet the facility performance requirements in the permit. If facility deficiencies, design and/or operational, are identified in the future which could affect the facility performance or reliability, it is the responsibility of the permittee to correct such deficiencies.


Executive Director, State Water Control Board


Date

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting in accordance with the schedule of compliance referenced in Part I.B., the permittee is authorized to discharge from outfall(s) serial number(s) 001 (Units 1 and 2 condenser cooling water)

Such discharges shall be limited and monitored by the permittee as specified below;

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day		Other Units (Specify)		Measuring Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	Continuous	Recorded
Heat Rejected	Heat rejected from both units shall not exceed a maximum of 12.6×10^9 BTU/HR				Continuous	Recorded
Total Residual Chlorine	N/A	N/A	N/L	0.2 mg/l	1/Day	Grab
Intake Total Suspended Solids*	N/A	N/A	N/L	N/L	2/Month	Grab
Intake pH*	N/A	N/A	N/L	N/L	2/Month	Grab

*Intake samples for TSS and pH shall be collected at the high level intake screens. This sampling shall coincide with the sampling of the turbine sumps.

2. The discharge shall have a pH value between 6.0 and 9.0 at all times and shall be monitored once per month by grab sample.**
 3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
 4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 001 - Cooling water canal
- ** If the intake pH value is less than 6.0 or greater than 9.0 standard units (SU), then the effluent shall have a pH value within 0.5 SU minus or plus, respectively, of the intake water pH value at all times.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE FACILITY NAME AND LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090

PERMIT NUMBER

001

DISCHARGE NUMBER

PIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

FACILITY

LOCATION

FILE NO.22-4765.

FROM

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			CONT	REC
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****		6.0000	*****	9.0000	SU		1/M	GPAB
005 TOTAL CL2	REPORTED	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****		*****	*****	.2000	MG/L		1/D	GPAB
083 HEAT REJ(10**9)	REPORTED	*****			*****	*****	*****				
	PERMIT REQUIREMENT	*****	12.6000	BTU/H	*****	*****	*****			CONT	REC
107 RIVER INTAKE PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		2/M	GPAB
105 TSS RIVER INTAKE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****			MG/L		2/M	GPAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD5 (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE				
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO DAY

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 011 - sewage treatment plant

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		Instantaneous Limitation		MONITORING REQUIREMENTS	
	Monthly Average	Daily Maximum	Limitation		Frequency	Sample Type
			Min.	Max.		
Flow (MGD)*	-- --	-- --	--	--	Cont	Rec.
BOD ₅	30 mg/l --	45 mg/l --	--	--	1/Week	4 HC
Suspended Solids	30 mg/l --	45 mg/l --	--	--	1/Week	4 HC
Cl ₂ Residual (mg/l) ⁽²⁾	-- --	-- --	--	--	2/Day at 4 Hr. Intervals	Grab
pH (standard units)	-- --	-- --	6.0	9.0	1/Day	Grab

2. (a) No more than 32 of all total chlorine residual analyses shall be outside the range 1.0 through 2.0 milligrams per liter for any one calendar month.
- (b) Any 2 consecutive test results not within the range 0.5 through 2.5 milligrams per liter shall be immediately reported in accordance with paragraph A(7)(a) of Part II.
- (c) No single chlorine residual analysis shall exceed 3.0 mg/l at any time.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 011 - sewage treatment outfall

*The design flow of this treatment facility is .05 MGD. The permittee shall monitor flow as specified above (See the Board policy for Sewage Treatment Plant Loadings effective February 1, 1981).

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE'S ADDRESS (INCLUDE
FACILITY NAME AND LOCATION IF DIFFERENT)NATIONAL POLLUTANT DISCHARGE
DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD -
(REGIONAL OFFICE)

01/85

NAME VEPCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090
PERMIT NUMBER011
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			CONT	SEC
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****		6.0000	*****	8.5000	SU		1/D	GPAB
003 BOD5	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	45.0000	MG/L		1/W	4HC
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****		*****	*****	45.0000	MG/L		1/W	4HC
005 TOTAL CL2	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****		.5000	*****	2.5000	MG/L		1/D	GPAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE				DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.		YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
					TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO

PART I

 PERMIT NO. VA0004090
 Page 3 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 021 - Oil water separator

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day		Other Units (Specify).		<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/week	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/Week	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Week	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once per week by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 021 - Discharge from the oil water separator

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE MONITORING REPORT (NPDES)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 25666
RICHMOND

VA 23261

FACILITY

LOCATION

FILE NO. 22-4765.

VA0004090
PERMIT NUMBER021
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

FROM

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/W	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		1/W	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		1/W	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		1/W	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO

PART I

PERMIT NO. VA0004090

Page 4 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 031 - Turbine sump A

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day		Other Units (Specify).		Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	2/Month	Estimate
Total Suspended Solids,	N/A	N/A	30 mg/l	100 mg/l	2/Month	Grab
Net Increase						
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	2/Month	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored twice per month by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 031 - Discharge from Turbine Sump A.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE'S ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

VA0004090
PERMIT NUMBER031
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			2/M	EST
002 PH	REPORTED	*****	*****			*****		SU			
	PERMIT REQUIREMENT	*****	*****			*****				2/M	GPAB
005 SUS. SOL NET INCRS	REPORTED	*****	*****		*****			MG/L			
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000			2/M	GPAB
500 OIL & GREASE	REPORTED	*****	*****		*****			MG/L			
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000			2/M	GPAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BODs (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
<p>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</p>				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	ARMA CODE	NUMBER	YEAR	MO

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 041 - Turbine Sump B

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day		Other Units (Specify)		Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	2/Month	Estimate
Total Suspended Solids, Net Increase	N/A	N/A	30 mg/l	100 mg/l	2/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	2/Month	Grab

- 2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored twice per month by grab sample.
- 3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
- 4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 041 - Discharge from Turbine Sump B.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE
FACILITY NAME ADDRESS (INCLUDE
LOCATION IF DIFFERENT)NATIONAL POLLUTANT DISCHARGE
DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/85

STATE WATER CONTROL BOARD
(REGIONAL OFFICE)

NAME VEPSCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090

PERMIT NUMBER

041

DISCHARGE
NUMBER

PIEDMONT REGIONAL OFFICE

P.O. BOX 6745

RICHMOND, VA. 23230

804-257-1006

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED				*****	*****	*****				
	PERMIT REQUIREMENT			MGD	*****	*****	*****			2/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		2/M	GRAB
005 SUS: SOL NET INCR:	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		2/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		2/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO

PART I

PERMIT NO. VA0004090

Page 6 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 051 - Flash evaporation blowdown Unit 1

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>			
	kg/day	Other Units (Specify).			Measurement Frequency	Sample Type
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Month	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once per month by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 051 - Discharge from Flash Evaporation Blowdown Unit 1.

PERMITTEE'S ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS P.O. 26666
RICHMOND

VA 23261

FACILITY LOCATION

FILE NO. 22-4765.

VA0004090
PERMIT NUMBER

051
DISCHARGE NUMBER

PIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

FROM

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		ISU		1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE				DATE		
<div>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</div>				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY	
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE			
				TYPED OR PRINTED NAME	SIGNATURE	AREA	NUMBER	YEAR	MO	DAY

PART I

PERMIT NO. VA0004090

Page 7 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 061 - Flash evaporator blowdown Unit 2

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day		Other Units (Specify)		Measurement Frequency	Sample Type
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Month	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once per month by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 061 - Discharge from flash evaporation blowdown Unit 2.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

01/85

NAME VEPCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

VA0004090
PERMIT NUMBER061
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO DAY

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 071 - Station oil storage tank dike

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day		Other Units (Specify)		Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Month	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once per month by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 071 - Discharge from station oil storage tank dike.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE'S ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME

VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

FACILITY

LOCATION

FILE NO. 22-4765.

VA0004090

PERMIT NUMBER

071

DISCHARGE NUMBER

PIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

FROM

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
<small>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</small>				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	ANNA CODE	NUMBER	YEAR	MO DAY

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 081 - Turbine Sump C

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day		Other Units (Specify)		Measurement	Sample
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Frequency</u>	<u>Type</u>
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	2/Month	Estimate
Total Suspended Solids, Net Increase	N/A	N/A	30 mg/l	100 mg/l	2/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	2/Month	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored twice per month by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 081 - Discharge from turbine sump C.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE
FACILITY NAME LOCATION IF DIFFERENT)NATIONAL POLLUTANT DISCHARGE
DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/85

STATE WATER CONTROL BOARD
(REGIONAL OFFICE)

NAME

VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090
PERMIT NUMBER081
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			2/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		2/M	GRAB
085 SUS/SOL NET INCR.	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		2/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		2/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 091 - Package boiler A & B

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day		Other Units (Specify)		<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/discharge*	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/discharge*	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/discharge*	Grab

*One sample per discharge, but not more than one per day.

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once per discharge by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 091 - combined discharge from package boiler A & B.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/85

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME VEPCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26656
RICHMOND

VA 23261

VA0004090

PERMIT NUMBER

091

DISCHARGE NUMBER

PIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED				*****	*****	*****				
	PERMIT REQUIREMENT			460	*****	*****	*****			1/D	EST
002 PH	REPORTED	*****	*****			*****		SU		1/D	GPAB
	PERMIT REQUIREMENT	*****	*****			*****					
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		1/D	GPAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		1/D	GPAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
<small>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</small>				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting in accordance with the schedule of compliance referenced in Part I.B., the permittee is authorized to discharge from outfall(s) serial number(s) 101 - Settling Pond

Such discharges shall be limited and monitored by the permittee as specified below;

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measuring Frequency	Sample Type
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Week	Measured
Total Suspended Solids	25.1(55.4)	626.8(1381.1)	30 mg/l	100 mg/l	1/Week	Grab
Oil and Grease	12.6(27.7)	125.3(276.2)	15 mg/l	20 mg/l	1/Week	Grab

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once a week by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 101 - Discharge from the settling pond.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE'S ADDRESS (INCLUDE
FACILITY LOCATION IF DIFFERENT)NATIONAL POLLUTANT DISCHARGE
DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/15/85

STATE WATER CONTROL BOARD -
(REGIONAL OFFICE)

NAME VEPCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090

PERMIT NUMBER

101

DISCHARGE
NUMBER

PIEDMONT REGIONAL OFFICE

P.O. BOX 6745

RICHMOND, VA. 23230

804-257-1006

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED				*****	*****	*****				
	PERMIT REQUIREMENT			MGD	*****	*****	*****			1/W	FEAS
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		1/W	GPAB
004 TOTAL SUS. SOLIDS	REPORTED				*****						
	PERMIT REQUIREMENT	55.4000	1381.1000	LBS/D	*****	30.0000	100.0000	MG/L		1/W	GPAB
500 OIL & GREASE	REPORTED				*****						
	PERMIT REQUIREMENT	27.7000	276.2000	LBS/D	*****	15.0000	20.0000	MG/L		1/W	GPAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE					
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY			
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			DATE					
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO	DAY		

PART I

 PERMIT NO. VA0004090
 Page 12 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 111 - liquid waste system

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day		Other Units (Specify)		Measurement Frequency	Sample Type
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended solids	N/A	N/A	30 mg/l	100 mg/l	1/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Month	Grab

See Special Condition No. 9.

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once a month by grab sample
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 111 - Discharge from the liquid waste system.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE
FACILITY NAME ADDRESS (INCLUDE
LOCATION IF DIFFERENT)NATIONAL POLLUTANT DISCHARGE MONITORING
DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/85
STATE WATER CONTROL BOARD
(REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090
PERMIT NUMBER111
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006FACILITY
LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****		SU			
	PERMIT REQUIREMENT	*****	*****			*****				1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****			MG/L			
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000			1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****			MG/L			
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000			1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO DAY

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 121 - Boron recovery system

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day		Other Units (Specify)		Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Month	Grab

See Special Condition No. 9.

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once a month by grab sample
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 121 - Discharge from the Boron recovery system.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE FACILITY LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/18/85

STATE WATER CONTROL BOARD (REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

VA0004090

PERMIT NUMBER

121

DISCHARGE NUMBER

PIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA. 23230
804-257-1006

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****		SU			
	PERMIT REQUIREMENT	*****	*****			*****				1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****			MG/L			
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000			1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****			MG/L			
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000			1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE				DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.		YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO	DAY

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

PART I

 PERMIT NO. VA0004090
 Page 14 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 131 - Laundry

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	kg/day		Other Units (Specify)		Measurement	Sample
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Frequency</u>	<u>Type</u>
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended Solids	N/A	N/A	N/L	N/L	1/Month	Grab
Oil and Grease	N/A	N/A	N/L	N/L	1/Month	Grab

See Special Condition No. 9.

2. The discharge shall have a pH value between N/L and N/L at all times and shall be monitored once a month by grab sample
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 131 - Discharge from the laundry.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE FACILITY NAME AND LOCATION IF DIFFERENT)

NATIONAL POLLUTANT DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

01/85
STATE WATER CONTROL BOARD
(REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 26666
RICHMOND

VA 23261

FACILITY

LOCATION

FILE NO. 22-4765.

FROM

VA0004090
PERMIT NUMBER131
DISCHARGE
NUMBERPIEDMONT REGIONAL OFFICE
P.O. BOX 6745
RICHMOND, VA 23230
804-257-1006

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****			*****		SU		1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****			MG/L		1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****			MG/L		1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
				TYPED OR PRINTED NAME	SIGNATURE	AREA CODE	NUMBER	YEAR	MO

PART I

 PERMIT NO. VA0004090
 Page 15 of 17

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 002 Gas turbine dike

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day		Other Units (Specify)		Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M ³ /Day (MGD)	N/A	N/A	N/L	N/L	1/Month	Estimate
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l	1/Month	Grab
Oil and Grease	N/A	N/A	15 mg/l	20 mg/l	1/Month	Grab

2. The discharge shall have a pH value between 6.0 and 9.0 at all times and shall be monitored once per month by grab sample.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 002 - Discharge from the gas turbine dike.

COMMONWEALTH OF VIRGINIA STATE WATER CONTROL BOARD

PERMITTEE ADDRESS (INCLUDE
FACILITY LOCATION IF DIFFERENT)NATIONAL POLLUTANT DISCHARGE
DISCHARGE MONITORING REPORT (DMR)

INDUSTRIAL MAJOR

STATE WATER CONTROL BOARD -
(REGIONAL OFFICE)

NAME VERCO-SURRY NUCLEAR POWER STATION

ADDRESS

P.O. 126666
RICHMOND

VA 23261

FACILITY

LOCATION

FILE NO. 22-4765.

VA00004090

PERMIT NUMBER

002

DISCHARGE
NUMBER

PIEDMONT REGIONAL OFFICE

P.O. BOX 5745

RICHMOND, VA. 23230

804-257-1006

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED			MGD	*****	*****	*****				
	PERMIT REQUIREMENT				*****	*****	*****			1/M	EST
002 PH	REPORTED	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****		6.0000	*****	9.0000	SU		1/M	GRAB
004 TOTAL SUS. SOLIDS	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	30.0000	100.0000	MG/L		1/M	GRAB
500 OIL & GREASE	REPORTED	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	15.0000	20.0000	MG/L		1/M	GRAB
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										
	REPORTED										
	PERMIT REQUIREMENT										

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW (M. G.)	TOTAL BOD ₅ (K G)	OPERATOR IN RESPONSIBLE CHARGE				DATE						
<p>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U. S. C. § 1001 AND 33 U. S. C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</p>				TYPED OR PRINTED NAME		SIGNATURE		CERTIFICATE NO.		YEAR	MO	DAY		
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						TELEPHONE		DATE		
				TYPED OR PRINTED NAME		SIGNATURE		AREA CODE	NUMBER	YEAR	MO	DAY		

5. Other Requirements or Special Conditions: General Effective Immediately Unless Otherwise Specified.
1. Debris collected on the intake trash racks shall not be returned to the waterway.
 2. There shall be no discharge of polychlorinated biphenyl compounds from this source in amounts equal to or greater than that detectable by EPA test methods specified in Federal Register 40 CFR Part 136 Guidelines for Establishing Test Procedures for the Analysis of Pollutants.
 3. Effluent limitations are not imposed on the following discharges at the power station:
 - a. The backwash from the low level intake screens.
 - b. The backwash from the high level intake screens.
 - c. The discharge from the low level intake building drains.
 4. Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the regional administrator or state, if the state has NPDES permit issuing authority that the units in a particular location cannot operate at or below this level of chlorination.
 5. This permit may be modified or alternatively revoked and reissued to comply with the State Water Control Board's on-going efforts to develop a chlorine standard.
 6. All limitations and monitoring requirements for radioactivity in the wastewater shall be regulated by the Nuclear Regulatory Commission.
 7. The use of any alternate discharge point (as identified in the permit renewal application) shall be reported with the Discharge Monitoring Report for that month. The duration and cause of the discharge shall also be included in the report. This shall include, but is not limited to, the following alternate discharge points: Units 1 and 2 steam generator blowdown, units 1 and 2 condensate polishing waste, demineralizer regenerate waste, and river water filter backwash.
 8. Quarterly toxicity tests shall be conducted on samples from the cooling canal before entering the James River using Mysidopsis bahia and killifish, Fundulus heteroclitus. The Mysid test shall be a 48-hour static test and the killifish test shall be a 96-hour static test, both conducted in such a manner and at sufficient dilutions for calculation of a legitimate LC50. If a test results in an LC50 of less than 100%, then further toxicity testing may be required. Technical assistance in developing the procedures for these tests shall be provided by the SWCB staff. Test protocols shall be approved by SWCB staff prior to initiation.

All data from this toxic monitoring program shall be reported as soon as possible, but no later than with the Discharge Monitoring Report ending the quarter in which the data were received.

At the end of two years, the program will be evaluated with a view toward continuation, modification, or elimination. Any modification must be done in accordance with the Virginia State Water Control Board's Statutes, Regulations, Policies and other Documents Manual, Regulation 6.

9. The monitoring frequency of the radioactive wastestreams (liquid waste system, Boron recovery system, and laundry drain) may be reduced if review of the monitoring data indicates that a reduction is appropriate.

It shall be Vepco's responsibility to develop the basis for a reduction in the monitoring frequency. If approved by the staff of the State Water Control Board, the reduced frequency shall become a permit condition upon written notification from the staff.

A. Monitoring and Reporting

1. Sampling and Analysis Methods

- a. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.
- b. The sampling and analysis program to demonstrate compliance with the permit shall conform to Part I of this permit.
- c. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will insure accuracy of measurements.

2. Test Procedures

Test procedures for the analysis of pollutants shall conform to the applicable test procedures identified in 40 C.F.R. Part 136 unless otherwise specified in this permit.

3. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The date, exact place and time of sampling or measurements;
- b. The person(s) who performed the sampling or measurements;
- c. The dates analyses were performed;
- d. The person(s) who performed each analysis;
- e. The analytical techniques or methods used; and
- f. The results of such analyses and measurements.

4. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation shall be retained for three (3) years. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the Board.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report (DMR). Such increased frequency shall also be indicated.

6. Water Quality Monitoring

The Board may require every owner to furnish such plans, specifications, or other pertinent information as may be necessary to determine the effect of the discharge on the water quality or such information as may be necessary to accomplish the purposes of the State Water Control Law or Clean Water Act.

The permittee shall obtain and record such information on the receiving waters as requested by the Board. Such information shall be subject to inspection by authorized State and Federal representatives and shall be submitted with such frequency and in such detail as requested by the Board.

7. Reporting Requirements

- a. If, for any reason, the permittee does not comply with any maximum daily or average weekly discharge limitations or standards specified in this permit, the permittee shall submit to the Board with the DMR at least the following information:
 - (1) A description of the discharge and cause of noncompliance;
 - (2) The period of noncompliance, including exact dates and times and/or the anticipated time when the discharge will return to compliance; and
 - (3) Actions taken or to be taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge.
- b. In the case of any discharge subject to any applicable toxic pollutant effluent standard under Section 307(a) of the Act, the information required in paragraph (a) regarding a violation of such standard shall be provided immediately, that is as quickly as possible upon discovery. If this information is provided orally, a written submission covering these points shall be provided within five days of the time the permittee becomes aware of the circumstances covered by this paragraph.
- c. In the case of other discharges which could constitute a threat to human health, welfare, or the environment or are considered to be unusual or extraordinary* discharges pursuant to the Board's Regulation No. 4, the information required in paragraph (a) shall be provided immediately, that is as quickly as possible upon discovery. If this information is provided orally, a written submission covering these points must be provided within five days of the time the permittee becomes aware of the circumstances covered by this paragraph.

*Unusual or extraordinary discharges would include but not be limited to any discharge of waste resulting from (1) spillage of materials resulting directly or indirectly from the owner's processing operations, (2) breakdown of processing or accessory equipment, (3) failure of or taking out of service, sewage or industrial waste treatment facilities or auxiliary facilities, or (4) flooding or other acts of nature.

If the Regional Office cannot be reached, the Board maintains a 24-hour telephone service in Richmond, telephone number 804/257-0080 to which the report required in (b) and (c) above are to be made.

- d. Pollutants for which the permittee must report violations immediately pursuant to (b) and (c) are listed as such in this permit in Part I(A).
- e. The permittee shall submit to the State Water Control Board Regional Office, at the address listed below, by the 10th of each month an original of the National Pollutant Discharge Elimination System Discharge Monitoring Report of the facility's performance in accordance with Part I.A. In addition, a monthly report covering the facility's general operational data may be required.

(An original of each month's report to:)

State Water Control Board
Piedmont Regional Office
2201 West Broad Street
Richmond, VA 23220

- 8. Before utilizing the services of any person or commercial laboratory as defined in Section 6.45 of the Board's Regulation 6 to perform any permit monitoring requirement, the permittee shall comply with the provisions of Section 6.45(b) of the Regulation 6 and submit a copy of any contract made to the Board.

B. Definitions

Unless otherwise stated here, the definitions of Regulation #6 apply

- 1. The "average monthly discharge" is the total mass, and concentration in the case of sewage treatment works, of all daily discharges sampled and/or measured during a calendar month on which daily discharges are sampled and measured, divided by the number of daily discharges sampled and/or measured during any such month. The average monthly discharge limitation may not be violated during such calendar month.
- 2. The "average monthly temperature" means the arithmetic mean of measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month, or during the operating month if flows are of shorter duration.

3. The "maximum daily discharge" is the highest total mass of a pollutant discharged during the calendar day or, in the case of a pollutant limited in terms other than mass, the highest average concentration or other measurement of the pollutant specified during the calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. The maximum daily discharge limitation may not be violated during any calendar day.
4. The "average weekly discharge" is the total mass and concentration of all daily sewage treatment works discharges during any calendar week on which daily discharges are sampled and/or measured divided by the number of daily discharges sampled and/or measured during such calendar week. The average weekly discharge limitation may not be violated during any calendar week.
5. "Bypass" means the intentional diversion of wastes from any portion of a treatment facility as defined in Section 6.14(m) of Regulation #6.
6. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee as defined in Section 6.14(n) of Regulation #6.
7. "Composite Sample" means a combination of individual samples taken at selected intervals to minimize the effect of the variability of the individual samples.
8. "Grab Sample" is an individual sample collected in less than 15 minutes.
9. "i-s" (immersion stabilization) means the immersion of a calibrated device in the effluent stream until the reading is stabilized.
10. The "maximum daily temperature" means the highest arithmetic mean of the temperature observed for any two (2) consecutive hours during a 24-hour day, or during the operating day if flows are of shorter duration.
11. "Measured flow" - any method of liquid volume measurement the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
12. "At outfall XXX" - A sampling location in outfall line XXX downstream from the last addition point or as otherwise specified.
13. "Estimate" is to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharge volumes.
14. "NL" means no limitations on the affected parameters, however, monitoring is required.
15. "NA" means effluent limitations and monitoring requirements not required.
16. "Non-contact cooling water" means water used to reduce temperature which does not come into direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

A. Management Requirements

1. Change in Discharge

All discharges authorized by this NPDES permit shall be made in accordance with the terms and conditions of the permit. All expansions, production increases, or process modifications, that will result in new or increased discharge(s) of pollutants, must be reported promptly to the Board by submission of a new NPDES application, or, if such discharge(s) does not violate effluent limitations specified in the NPDES permit, by submission to the Board of notice of such new or increased discharge(s) of pollutants. The discharge of any pollutant more frequently than, or at a level greater than that identified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

If this permit is for a discharge from a treatment works that receives waste from an owner other than the permittee, the permittee shall promptly provide notice to the Board of the following:

- a. Any new introduction of pollutants into such treatment works from an establishment, treatment works, or discharge(s) which would be a new source, as defined in this permit, if such source were discharging pollutants to State waters.
- b. Any new introduction of any pollutant(s) into such treatment works, which introduction represents a significant increase in the discharge of pollutant(s) to the treatment works or may interfere with, pass through, or otherwise be incompatible with such works, from an establishment, treatment works, or discharge(s), if such establishment, treatment works, or discharge(s) were discharging pollutants to State waters; and,
- c. Any substantial change, whether permanent or temporary, in the volume or character of pollutants being introduced into such treatment works by an establishment, treatment works, or discharge(s) that was introducing pollutants into such treatment works at the time of issuance of the permit.

Such notice shall include information on: (1) the characteristics and quantity of effluent to be introduced into such treatment works; (2) any anticipated impact of such change in the quantity of characteristics of effluent to be discharged from such treatment works; and (3) any additional information that may be required by the Board.

Any owner proposing a new discharge or new source shall submit an application for a NPDES permit at least 30 days prior to commencing erection, construction, or expansion or employment of new processes at any facility. Within that 30 day period, the Board may prohibit such commencement until the NPDES permit is issued. In no case, however, shall any discharge from said facilities commence prior to the issuance of a NPDES permit.

2. Treatment Works Operation and Quality Control

All waste collection, control, treatment and disposal facilities shall be operated in a manner consistent with the following:

- a. At all times, all facilities shall be operated in accordance with the CTO, if applicable, and in a prudent and workman-like manner so as to minimize upsets and discharges of excessive pollutants.
- b. The permittee shall provide an adequate operating staff which is duly qualified to carry out the operation, maintenance and testing functions required to insure compliance with the conditions of this permit.
- c. Maintenance of treatment facilities shall be carried out in such a manner that effluent quality requirements are not violated.
- d. Collected residues shall be stored in such a manner as to prevent entry of those wastes (or runoff from the wastes) into State waters, and disposed of in accordance with this permit or other Certificate issued or plans approved by the Board.

3. Adverse Impact

The permittee shall take all feasible steps to minimize any adverse impact to State waters resulting from noncompliance with any effluent limitations specified in this permit, and shall perform and report such accelerated or additional monitoring as is necessary to determine the nature and impact of the noncomplying discharge.

4. Treatment Facilities Failure

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall:

- a. In accordance with the Schedule of Compliance contained in Part I, or in accordance with the Virginia Sewerage Regulations, if applicable, provide an alternative power source sufficient to operate the wastewater collection and treatment facilities;

or, if no date for implementation appears in Part I, and the Virginia Sewerage Regulations do not apply,
- b. Halt, reduce or otherwise control all discharges upon the reduction, loss, or failure of the primary sources of power to the wastewater collection and treatment facilities.
- c. Halt, reduce or otherwise control all discharges upon the reduction, loss, or failure of the treatment facility until the facility is restored or an alternative method or treatment is provided.

5. Structural Stability

The structural stability of any of the units or parts of the facilities herein permitted is the sole responsibility of the permittee and the failure of such structural units or parts shall not relieve the permittee of the responsibility of complying with all terms and conditions of this permit.

6. Bypassing

Any bypass of the treatment facilities herein permitted is prohibited unless:

- a. the bypass is unavoidable to prevent a loss of life, personal injury, or severe property damage; and
- b. there are no feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated waste facility shutdowns or maintenance during normal periods of equipment down time; and
- c. The Board is notified immediately, and as quickly as possible upon discovery of the bypass (if orally notified, then followed by a written submission within five (5) days). Where the need for a bypass is known (or should have been known) in advance, this notification shall be submitted to the Board for approval, if possible, at least ten (10) days before the date of bypass; and
- d. the bypass occurs under conditions determined by the Board to be necessary to minimize adverse effect. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible.

7. Conditions Necessary to Demonstration of an Upset

An upset shall constitute an affirmative defense to an action brought for noncompliance with technology-based effluent limitations only if the permittee demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence, that;

- a. an upset occurred and that the permittee can identify the specific cause(s) of the upset; and
- b. the facility permitted herein was at the time being operated in a prudent and workman-like manner and in compliance with proper operation and maintenance procedures; and
- c. the permittee submitted a notification of noncompliance as required by Part II.A.7 above; and
- d. the permittee took any measures necessary to minimize adverse impact to State waters.

8. State Law

Compliance with this permit during its term constitutes compliance with the Law and Act except for any standard imposed under Section 307 of the Act for a toxic pollutant injurious to human health.

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other State law or regulation or under authority preserved by Section 510 of the Act.

9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

11. Reapplication for a Permit

At least 180 days before the expiration date of this permit, unless permission for a later date has been granted by the Board, the permittee shall submit a new application for a permit.

B. Responsibilities

1. Right of Entry

The permittee shall allow authorized State and Federal representatives, upon the presentation of credentials:

- a. to enter upon the permittee's premises on which the establishment, treatment works, or discharge(s) is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
- c. to inspect at reasonable times any monitoring equipment or monitoring method required in this permit;
- d. to sample at reasonable times any discharge of pollutants; and,

- e. to inspect at reasonable times any collection, treatment, pollution management or discharge facilities required under this permit.
- f. For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is discharging. Nothing contained herein shall make an inspection time unreasonable during an emergency.

2. Transferability of Permits

- a. This permit may be transferred to another person by a permittee if:
 - (1) the permittee notifies the Board, in writing, at least 60 days prior to the proposed transfer;
 - (2) a written agreement signed by all parties to the transfer, containing a specific date for transfer of permit responsibility and coverage between the current and new permittees (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) is submitted to the Board; and
 - (3) the Board within 30 days does not notify the current permittee and the new permittee of its intent to modify, revoke and reissue, or terminate the permit or to require that a new application be filed rather than agreeing to the transfer of the permit.
- b. Such a transferred permit shall, as of the date of the transfer, be as fully effective as if it had been issued directly to the new permittee.

3. Availability of Reports

All reports pertaining to this permit shall be available to the public. The Board shall not at any time disclose to any person other than appropriate officials of the EPA pursuant to the requirements of the Act any secret formulae, secret processes, or secret methods, properly identified and denoted as such, however, other than effluent data used by any owner or under that owner's direction. Such trade secrets transmitted by the Board to EPA will be subject to appropriate Federal regulations governing confidentiality of such information.

4. Permit Modification and Revocation

In accordance with the Board's Regulation 6, this permit may be modified or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. violation of any terms or conditions of this permit;
- b. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
- c. a change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge; or

- d. information that the permitted discharge poses a threat to human health or welfare.

5. Toxic Pollutants

Notwithstanding Part III.B.4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitations for such pollutant in this permit, this permit shall be revoked and reissued or modified in accordance with the toxic effluent standard or prohibition and Section 62.1-44.15(5) of the Code of Virginia. Any effluent standard or prohibition established under Section 307(a) for a toxic pollutant injurious to human health is effective and enforceable by the time set forth in the promulgated standard, even absent permit modification.

6. Civil and Criminal Liability

Except as provided in permit conditions on "bypassing" (Part III A-6), "upset" (Part III A-7) and "treatment facilities failure" (Part III A-4), nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act or Sections 62.1-44.34(1) through 62.1-44.34(7) of the Law.

MEMORANDUM

State Water Control Board

2111 North Hamilton Street


P. O. Box 11143

Richmond, VA. 23230

File Copy # 12,307-S

SUBJECT: Reissuance and Approval of Wastewater Treatment Systems, Virginia Electric and Power Co. - Surry Power Station, VA0004090

TO: Executive Director

FROM: Director, Office of Water Resources Management 

DATE: April 5, 1985

COPIES: Piedmont Regional Office

Legal Name of Owner:

Virginia Electric and Power Company

Application Submitted By:

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

Application Date:

Initial submittal dated March 31, 1981 with supplements dated July 6, 1983, November 27, 1984, December 28, 1984 and January 4, 1985.

Plans Submitted By:

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

Date Submitted:

December 28, 1984

Type of Plans:

This is a proposal to provide upgraded treatment for industrial wastewaters in accordance with the Effluent Limitations contained in Company's NPDES Permit.

The proposed treatment system is to install a Vertical Tube Coalescing Separator (VTC) to handle the waste oil/water generated at the plant. The oil/water is separated in a 10,000 gallon storage tank. The water will be decanted from the bottom of the storage tank and treated by the separator. The waste oil will be handled by a vendor.

Type Of Discharge:

Existing Industrial Discharge

Manufacturing Operation:
(SIC Code 4911)

The industry is involved in generating electricity with steam produced by the fission of nuclear fuel.

Wastewater Treatment Facilities:

The sand filter backwash, demineralizer regenerant wastes, and condensate polishing system waste are treated in a settling pond.

Sewage is treated in an activated sludge treatment plant.

Waste oil/water will be treated by an oil

water separator (see type of plans
above.)

Receiving Stream:

Stream: James River
Basin: James River Basin (lower)
Subbasin: N/A
Section: 1
Class: II
Special Standard: a

Public Notice:

The application has received public
notice in accordance with Regulation
#6 and no response was received.

Planning:

This facility was not addressed in the 3(c)
study, but will be included when the plan is
updated.

EPA Comments:

EPA did not have any objections to the
reissuance of this permit. However, EPA
did comment on the number of minor oil
spills at the VEPCO - Surry Power Station,
and feels a Best Management Practices (BMP)
plan needs to be incorporated into the
permit.

The staff feels VEPCO has addressed, and
taken appropriate actions concerning spill
clean-up and prevention. VEPCO has already
established Best Management Practices,
therefore, a BMP is not required to be
incorporated into the permit.

Corps of Engineer Comments:

The COE was provided an opportunity to
review and comment on the application and
draft permit. No comments or objections
were received.

Previous Board Actions:

The Board issued a Special Order to VEPCO
Surry dated September 2, 1976. The Special
Order required VEPCO to install and maintain
adequate treatment facilities to handle the
sewage from the power station.

Staff Comments:

The discharge is not controversial and is
currently meeting the required effluent
limitations.

VEPCO has expressed concern regarding the
inclusion of three radioactive waste streams
in the permit.

The previous permit contained an effective

date of January 24, 1975, amendment dates
of May 20, 1977, and February 18, 1977 and
an expiration date of January 24, 1980.

The permit reissuance was detained due to
EPA guidelines for this facility were not
promulgated until November 19, 1982,
limited resources and other regional
priorities.

Total residual chlorine, pH and heat rejection
are Water Quality based limits. Total
suspended solids, BOD₅, and oil and grease
are technology based limits.

The staff believes that the effluent
limitations will maintain Water Quality
Standards adopted by the Board.

Certified Operator Requirements:

The staff believes a Class III operator is
required.

STAFF RECOMMENDATIONS:

The staff recommends that the Executive Director:

1. Approve the attached effluent limitations and monitoring requirements.
2. Direct the staff to reissue VA-NPDES No. VA0004090.
3. Approve the conceptual design of the wastewater treatment facility.

APPROVED: _____

W. J. Ward
Executive Director

DATE: _____

4/24/85

DNS:bhr

COR 14-06



VIRGINIA POWER

May 30, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Ray R. Jenkins
State Water Control Board
Piedmont Regional Office
2201 West Broad Street
Richmond, Virginia 23230

Surry Power Station - NPDES Permit Exception

Dear Mr. Jenkins:

This is to confirm the NPDES permit exception at our Surry Power Station that was reported to you on May 24, 1985.

On May 24, 1985, the analysis of a sample of effluent taken from the Sewage Treatment Plant, Outfall 011, on May 22, indicated a total suspended solid level of 63.6 mg/l. This exceeds our maximum daily limit of 45.0 mg/l.

As corrective action, station personnel are continuing additions of a synthetic bacterial seed solution to promote bacterial action and increase the activated sludge mass. This should improve treatment of the suspended solid load and reduce the amount of suspended solids discharged.

Should you have any questions regarding this exception, please do not hesitate to contact this department.

Very truly yours,

A handwritten signature in black ink, appearing to read "Michael F. Kallaborski" or similar, written over the typed name.

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

cc: Dr. J. Nelson Grace, USNRC - Docket No. 50-280/50-281
Mr. Harold R. Denton, USNRC - Docket No. 50-280/50-281 ✓
Mr. Donald J. Burke, USNRC - Docket No. 50-280/50-281