



September 1, 2010

Ms. Amy Owens
Director, Valley Regional Office
Virginia Department of Environmental Quality
4411 Early Road
Harrisonburg, VA 22801

Re: Request for Prevention of Significant Deterioration Permit –
Emissions Offsets and Application Certification
Virginia Electric and Power Company
Registration No. 81391
AIRS ID No. VA-187-00041

Dear Ms. Owens:

Virginia Electric and Power Company (Dominion) submitted an application for a Prevention of Significant Deterioration (PSD) permit to the Virginia Department of Environmental Quality (DEQ) on January 18, 2010. In a separate letter sent to you today, we withdrew portions of that application. We are enclosing revised Pages 1-3 of Form 7 that apply only to the remaining portion of the application. We are also enclosing a revised Page 11 of Form 7 showing the revised diesel generator stack height.

Emissions Offsets

Dominion is aware that the previous owner of this project, CPV-Warren, LLC, had agreed to obtain and actually obtained emissions offsets for oxides of nitrogen (NO_x) at an approximate ratio of 1.15 offsetting ton to 1 new ton of NO_x. By this letter, we are informing DEQ that Dominion will accept similar emissions offset provisions for inclusion in the new PSD permit for this facility. We believe that the offsets obtained by the previous owner will continue to be approved for our facility. We understand that our facility has higher NO_x emissions than the previous design, and therefore, additional offsets would be obtained.

Ms. Amy Owens
September 1, 2010
Page 2

Please contact Andy Gates at 804-273-2950 or andy.gates@dom.com if you have questions concerning this information.

Sincerely,



Robert M. Bisha

Enclosure: Form 7, pages 1-3 and 11 for remaining scenario

cc: (via e-mail) Mr. Janardan Pandey, Valley Regional Office Air Permits Manager
Ms. Anita Riggleman, Senior Environmental Engineer
Ms. Tamera Thompson, Director, Permitting, DEQ Central Office
Mr. Michael Kiss, Air Modeling Coordinator



AIR PERMIT APPLICATION

General information

CHECK ALL FORMS THAT APPLY AND LIST ALL ATTACHED DOCUMENTS.

MAP AND LOCALITIES LIST (information), Pages iii-vi

CONFIDENTIAL INFORMATION, Page vii-viii

FORMULA-BASED HAZARDOUS AIR POLLUTANT INFORMATION, Page ix

HAZARDOUS AIR POLLUTANT LIST (information), Pages xi-xii

1 REQUEST FOR LOCAL GOVERNMENT CERTIFICATION FORM, Page xiii

1 CONTENTS AND DOCUMENT CERTIFICATION, Page 1

1 GENERAL INFORMATION, Page 2

1 GENERAL INFORMATION (continued), Page 3

1 FUEL-BURNING EQUIPMENT, Page 4

1 PROCESSING, Page 5

0 INKS, COATINGS, STAINS, AND ADHESIVES, Page 6

0 INCINERATORS, Page 7

1 VOLATILE ORGANIC COMPOUND/PETROLEUM STORAGE TANKS, Page 8

1 VOLATILE ORGANIC COMPOUND/PETROLEUM STORAGE TANKS - CONTINUED, Page 9

0 LOADING RACKS AND OIL-WATER SEPARATORS, Page 10

1 STACK PARAMETERS AND FUEL DATA, Page 11 (one form in each Volume of application)

1 AIR POLLUTION CONTROL AND MONITORING EQUIPMENT, PAGE 12 (one form/Volume)

1 AIR POLLUTION CONTROL/SUPPLEMENTAL INFORMATION, PAGE 13 (one form/Volume)

1 PROPOSED MAXIMUM CRITERIA POLLUTANT EMISSIONS, Page 14 (one form/Volume)

0 PAST ACTUAL ANNUAL CRITERIA POLLUTANT EMISSIONS, Page 15

2 TOXIC OR HAP EMISSIONS, Page 16

0 OTHER REGULATED EMISSIONS, Page 17

1 OPERATING PERIODS, Page 18

LIST ATTACHED DOCUMENTS

X MAP of SITE LOCATION

X FACILITY SITE PLAN

X PROCESS FLOW DIAGRAM/SCHEMATIC

 MSDS or CPDS SHEETS

X ESTIMATED EMISSIONS CALCULATIONS

 STACK TESTS

X AIR MODEL DATA

Note added form sheets above; also indicate the number of copies of each form in blank provided.

DOCUMENT CERTIFICATION FORM

(see other side for instructions)

I certify under penalty of law that this document and all attachments [as noted above] were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify that I understand that the existence of a permit under [Article 6 of the Regulations] does not shield the source from potential enforcement of any regulation of the board governing the major NSR program and does not relieve the source of the responsibility to comply with any applicable provision of the major NSR regulations.

SIGNATURE: *Robert B. McKinley*

DATE: 9/01/2010

NAME: Robert B. McKinley

TITLE: Vice President, Generation Construction

REGISTRATION

COMPANY: Virginia Electric and Power Company

NUMBER: 81391

References: Virginia Regulations for the Control and Abatement of Air Pollution (Regulations), 9 VAC 5-20-230B and 9 VAC 5-80-1140E. See reverse of this form for instructions.

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY
 AIR PERMIT APPLICATION GENERAL INFORMATION

PERSON COMPLETING FORM	DATE	REGISTRATION NUMBER
Andy Gates	9/01/2010	81391

REASON(S) FOR SUBMISSION (Check all that apply):

<input type="checkbox"/> STATE OPERATING PERMIT	THIS PERMIT IS APPLIED FOR PURSUANT TO PROVISIONS OF THE VIRGINIA ADMINISTRATIVE CODE, 9 VAC 5 Chapter 80, Article 5 (SOP)
<input checked="" type="checkbox"/> NEW (Greenfield) SOURCE	THIS PERMIT IS APPLIED FOR PURSUANT TO THE FOLLOWING PROVISION(S) OF THE VIRGINIA ADMINISTRATIVE CODE:
<input type="checkbox"/> MODIFICATION of a SOURCE	<input type="checkbox"/> 9 VAC 5 Chapter 80, Art. 6 (MINOR SOURCES)
<input type="checkbox"/> RELOCATION of a SOURCE	<input checked="" type="checkbox"/> 9 VAC 5 Chapter 80, Art. 8 (PSD MAJOR SOURCES)
	<input type="checkbox"/> 9 VAC 5 Chapter 80, Art. 9 (NON-ATTAINMENT MAJOR SOURCES)
<input type="checkbox"/> Non-Binding Letter of EXEMPTION	
<input type="checkbox"/> AMENDMENT to a Permit dated: _____	Permit type: <input type="checkbox"/> SOP (Art.5) <input type="checkbox"/> NSR (Art.6)
Amendment Type:	THIS AMENDMENT IS REQUESTED PURSUANT TO THE PROVISIONS OF:
<input type="checkbox"/> Administrative Amendment	<input type="checkbox"/> 9 VAC 5-80-970 (SOP Adm.) <input type="checkbox"/> 9 VAC 5-80-1270 (NSR Adm.)
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> 9 VAC 5-80-980 (SOP Minor) <input type="checkbox"/> 9 VAC 5-80-1280 (NSR Minor)
<input type="checkbox"/> Significant Amendment	<input type="checkbox"/> 9 VAC 5-80-990 (SOP Sig.) <input type="checkbox"/> 9 VAC 5-80-1290 (NSR. Sig.)

Complete Pages 1, 2, and 3 and refer to the above checked provisions for additional information requirements. Form 7 pages may be used to satisfy those requirements.

Notification of Change in Ownership - Effective Date: _____

Notification of Facility Name Change - Effective Date: _____

Notification of Owner Name Change - Effective Date: _____

Other (Specify): _____

COMPANY AND DIVISION NAME: Virginia Electric and Power Company		
MAILING ADDRESS: 5000 Dominion Boulevard, Glen Allen, VA 23060		
TELEPHONE NUMBER:	NUMBER OF EMPLOYEES AT SITE: TBD	PROPERTY AREA AT SITE: approximately 38.6 acres
EXACT SOURCE LOCATION - INCLUDE NAME OF CITY (COUNTY) AND FULL STREET ADDRESS OR DIRECTIONS: Lots 3, 5, 6, 7, 8, 9, and 10 in Warren Industrial Park, Warren County, Virginia		
PERSON TO CONTACT ON AIR POLLUTION MATTERS - NAME AND TITLE: Mr. Andy Gates, Environmental Consultant	PHONE NUMBER: (804) 273-2950	FAX NUMBER: (804) 273-2964
	E-MAIL ADDRESS: andy.gates@dom.com	
<input checked="" type="checkbox"/> Please check here if you obtained this form from the DEQ website.		
FOR OFFICIAL USE ONLY		
COUNTY CODE:	PLANT ID NUMBER:	LAT/LONG:

STACK PARAMETERS AND FUEL DATA:

COMPANY NAME Virginia Electric and Power Company		DATE 04/22/2010; revised 09/01/2010	REGISTRATION NUMBER 81391
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UNIT REF. NO.	VENT/STAC K NO.	VENT/STACK OR EXHAUST DATA					FUEL(S) DATA					MAX. % ASH		
		VENT/STACK CONFIG (USE CODE K)	VENT STACK HEIGHT (feet)	EXIT DIA. (feet)	EXIT GAS VELOCITY (fpm)	EXIT GAS VOLUME (acfm)	EXIT GAS TEMP (°F)	TYPE OF FUEL	MAX. RATED BURNED/HOUR (SPECIFY UNITS)	MAX. EXPECTED BURNED/DAY (SPECIFY UNITS)	MAX. EXPECTED BURNED/YEAR (SPECIFY UNITS)		HIGHER HEATING VALUE (SPECIFY UNITS)	MAX. % SULFUR
T-1M ^a	1	1	175	22	3,837.6	1,458,894	192.3	Natural Gas				3,496 MMBtu/hr	0.1 grains /100 scf	-
T-2M ^a	2	1	175	22	3,837.6	1,458,894	192.3	Natural Gas				3,496 MMBtu/hr	0.1 grains /100 scf	-
T-3M ^a	3	1	175	22	3,837.6	1,458,894	192.3	Natural Gas				3,496 MMBtu/hr	0.1 grains /100 scf	-
B-1	4	1	115	3	3,660	25,744	300	Natural Gas	0.0864 MMcf/hr		756.5 MMcf/yr	88.1 MMBtu/hr	0.1 grains /100 scf	-
EG-1	5	1	115	1.23	8,100	9,669	987	Diesel	119.9 gal/hr		59,950 gal/yr	16.91 MMBtu/hr	0.0015 lb/MMBtu	-
FWP-1	6	1	20	0.44	8,100	1,230	845	Diesel	16.3 gal/hr		8,150 gal/yr	2.30 MMBtu/hr	0.0015 lb/MMBtu	-
GH-1	7	1	45	3.33	1,920	16,746	300	Natural Gas	0.0510 MMcf/hr	1,224 MMcf/day	446.76 MMcf/yr	52 MMBtu/hr	0.1 grains /100 scf	-
IC-1 ^b	8	1	42.875	12	1,470	166,000	70	N/A						
IC-2 ^b	9	1	42.875	12	1,470	166,000	70	N/A						
IC-3 ^b	10	1	42.875	12	1,470	166,000	70	N/A						

^a - The exit gas velocity and exit gas volumes are an annual average.
^b - Each turbine chiller contains 6 stacks for a total of 18 stacks.

Code K - Vent/Stack Configuration

1. Unobstructed vertical discharge
2. Obstructed vertical discharge (e.g., raincap)
3. Horizontal or downward discharge (e.g., T-stack)
99. Other (specify)