



Bruce L. Thompson
Manager, Nuclear Licensing
803.931-5042

May 26, 2008

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir/Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-12
NPDES PERMIT NO. SC0030856

As a requirement of the Operating License NPF-12, Appendix B, for the Virgil C. Summer Nuclear Station (VCSNS), South Carolina Electric & Gas Company hereby submits a copy of the modified National Pollutant Discharge Elimination System (NPDES) Permit No. SC0030856.

The South Carolina Department of Health and Environmental Control issued the permit modification on April 28, 2008 with an effective date of June 1, 2008. This permit ensures that all discharges from the plant to Monticello Reservoir and Broad River meet the Federal and State guidelines.

If there are any questions, please contact Ms. Susan B. Reese at (803) 345-4591.

Very truly yours,


Bruce L. Thompson

SBR/BLT/jf

c: K. B. Marsh
S. A. Byrne
J. B. Archie
N. S. Carns
J. H. Hamilton
R. J. White
L. A. Reyes

R. E. Martin
NRC Resident Inspector
K. M. Sutton
NSRC
RTS (LTD 286, C-07-0331)
File (814.07-1)
PRSF (RC-08-0079)

0001
MRB

BOARD:
Paul C. Aughtry, III
Chairman
Edwin H. Cooper, III
Vice Chairman
Steven G. Kisner
Secretary



C. Earl Hunter, Commissioner

BOARD:
Henry C. Scott
M. David Mitchell, MD
Glenn A. McCall
Coleman F. Buckhouse, MD

Promoting and protecting the health of the public and the environment

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

April 28, 2008

JEFFREY B ARCHIE, VICE PRESIDENT
SCE&G
PO BOX 88
JENKINSVILLE, SC 29065

Re: Department Decision
SCE&G/V C SUMMER NUCLEAR STAT
NPDES Permit # SC0030856
Fairfield County

Dear Mr. Archie:

Enclosed is the modified National Pollutant Discharge Elimination system (NPDES) Permit for the above referenced facility. The modifications to the permit are as follows:

1 Part V.A.5 and 6: Groundwater has been added as a wastewater source for Outfalls 012 and 013.

2 Part V.E.10: The following language has been added to the permit: This permit no longer covers storm water associated with industrial activity except those storm water discharges specifically identified as discharging through a listed outfall on the limitations pages of this permit. The permittee has been approved for a No Exposure Certification (SCRNE0181) for the discharge of storm water associated with industrial activity at this site not specifically identified as discharging through a listed outfall on the limitations pages of this permit.

Please note the modification effective date on the permit. The issuance of this permit modification by the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department. This Department decision relies on the administrative record, which includes the permit rationale, and other supporting documentation contained in the permit file.

An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3323:

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201

The request for final review should include the following:

1. The grounds on which the Department's decision is challenged and the specific changes sought in the decision,
2. A statement of any significant issues or factors the Board should consider in deciding how to handle the matter, and
3. A copy of the Department's decision or action under review.

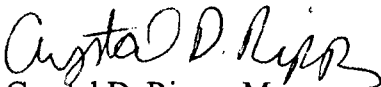
If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.

The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.

If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

If you have any questions about the technical aspects of this permit, please contact Melanie K Townley at 803-898-4223. Information pertaining to adjudicatory matters may be obtained by contacting the Legal Office, SCDHEC, 2600 Bull Street, Columbia, SC 29201, or by calling them at (803)898-3350.

Sincerely,



Crystal D. Rippe, Manager
Industrial Wastewater Permitting Section

Enclosures

cc w/encl: EPA
Patty G Barnes, NPDES Permit Administration

e-mail: Melanie Hindman, BOW/WPC Enforcement
Harry Mathis, Columbia EQC Office, Region 3
COLUMBIA EQC LAB
Melanie K Townley, BOW



South Carolina Department of Health
and Environmental Control

National Pollutant Discharge Elimination System Permit

for Discharge to Surface Waters

This Permit Certifies That

SCE&G Virgil C. Summer Nuclear Station

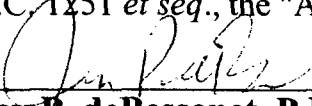
has been granted permission to discharge from a facility located at

*Highway 215
Jenkinsville, SC
Fairfield County*

to receiving waters named

*Outfalls 001 and 014: Monticello Reservoir
Outfalls 003 and 012: Broad River
Outfall 013: Mayo Creek to Broad River*

in accordance with limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Pollution Control Act of South Carolina (S.C. Code Sections 48-1-10 *et seq.*, 1976), Regulation 61-9 and with the provisions of the Federal Clean Water Act (PL 92-500), as amended, 33 U.S.C. 1251 *et seq.*, the "Act."


Jeffrey P. deBessonnet, P.E., Director
Water Facilities Permitting Division

Issue Date: June 13, 2007

Expiration Date: July 31, 2012

Effective Date: August 1, 2007

Permit No.: SC0030856

Modification Issue Date: April 28, 2008

Modification Effective Date: June 1, 2008

5. During the period beginning on the effective date of this permit and lasting through the expiration date, the permittee is authorized to discharge from outfall serial number 012: stormwater runoff from north/northwest drain system, low volume wastes and groundwater.

a. Such discharge shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Sampling Frequency	Sample Type
Flow	MR ¹ , MGD	MR ¹ , MGD	-	-	1/Month	Instantaneous ²
pH	-	-	Min 6.0 su, Max 8.5 su ³		1/Month	Grab
Total Suspended Solids	-	-	26 mg/l	70 mg/l	2/Year	Grab
Oil and Grease	-	-	9 mg/l	11 mg/l	2/Year	Grab
Total Copper ⁴	-	-	MR ¹ mg/l	MR ¹ mg/l	1/Month	Grab

¹MR: Monitor and Report

²See Part II.J.1

³See Part I.L.

⁴ See Part V.A.2

b. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): after treatment but prior to mixing with the receiving stream.

6. During the period beginning on the effective date of this permit and lasting through the expiration date, the permittee is authorized to discharge from outfall serial number 013: stormwater runoff from southeast drain system, water storage tank sumps, miscellaneous building floor drains and groundwater.

a. Such discharge shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Sampling Frequency	Sample Type
Flow	MR ¹ , MGD	MR ¹ , MGD	-	-	1/Month	Estimate ²
pH	-	-	Min 6.0 su, Max 8.5 su ³		2/Year	Grab
Total Suspended Solids	-	-	MR ¹ mg/l	MR ¹ mg/l	2/Year	Grab
Total Copper ^{4,5}	-	-	MR ¹ mg/l	MR ¹ mg/l	1/Month	Grab
Total Zinc ^{4,5}	-	-	MR ¹ mg/l	MR ¹ mg/l	1/Month	Grab

¹MR: Monitor and Report

²See Part II.J.1

³See Part I.L

⁴ See Part V.A.2

⁵ See Part V.A.5

b. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): after treatment but prior to mixing with the receiving stream.

If no discharge occurs on the day specified above, the permittee shall collect an effluent sample during the reporting period on a day when there is a discharge or report "no discharge" for the reporting period for all parameters. Additional monitoring as necessary to meet the frequency requirements of this permit shall be performed by the permittee.

4. The permittee shall notify the affected downstream water treatment plant(s) of any emergency condition, plant upset, bypass or other system failure which has the potential to affect the quality of water withdrawn for drinking water purposes. This notification should be made as soon as possible and in anticipation of such event, if feasible, without taking away from any response time necessary to attempt to alleviate the situation.
5. The Permittee shall not store soil nor other similar erodible materials in a manner in which runoff is uncontrolled, nor conduct construction activities in a manner which produces uncontrolled runoff unless such uncontrolled runoff has been specifically approved by SCDHEC. "Uncontrolled" shall mean without sedimentation basin or other controls approved by SCDHEC.
6. Discharge of any waste resulting from the combustion of chemical metal cleaning wastes, toxic wastes, or hazardous wastes to any waste stream that ultimately discharges to waters of the United States is prohibited unless specifically authorized elsewhere in this permit.
7. Low volume waste sources shall mean, taken collectively as if from one source, wastewater from all sources except those for which specific limitations are otherwise established in this permit. Low volume wastes sources include, but are not limited to, wastewaters from wet scrubber air pollution control systems, ion exchange water treatment systems, water treatment systems, boiler blowdown, floor drains, cooling tower basin cleaning wastes, and recirculating house service water systems. Sanitary and air conditioning wastes are not included.
8. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluids.
9. This permit may be reopened to address compliance with 316(b) requirements for cooling water intake structures upon resolution of the EPA regulations in 40 CFR Part 125 Subpart J.
10. This permit no longer covers storm water associated with industrial activity except those storm water discharges specifically identified as discharging through a listed outfall on the limitations pages of this permit. The permittee has been approved for a No Exposure Certification (SCRNE0181) for the discharge of storm water associated with industrial activity at this site not specifically identified as discharging through a listed outfall on the limitations pages of this permit.

**FACT SHEET
AND
PERMIT RATIONALE**

Rationale
Page 1 of 5
Permit No. SC0030856

**SCE&G Virgil C. Summer Nuclear Station
NPDES Permit No. SC0030856**

December 13, 2007

Permitting Engineer: Melanie Townley

Facility Rating: Major (EPA review required)
Minor (EPA review may be required; see below)

Permit application included in Attachment 1.

Facility Address: P.O. Box 88, Jenkinsville SC 29065 (see map, Attachment 2)
County: Fairfield
Watershed: Basin 05 (Broad River Basin)

Issuance (New) Reissuance Modification

If this application is for a new facility or expansion of an existing facility, an antidegradation review may be required per the requirements of R.61-68.D.

Facility Description (include SIC code): This facility generates electricity. SIC Code is 4911

Outfalls are discussed in Section III of this rationale with a general description of the discharge, treatment system, stream flows and other pertinent information about each outfall.

→Is any discharge subject to any of the Primary Industry Categories identified in R.61-9.122, Appendix A as listed at right? Yes (If yes, EPA review required.)
Indicate category(ies) applicable and Regulations governing the discharge: Steam electric power plants, 40 CFR Part 423

Receiving Water: 001 and 014 to Monticello Reservoir, 003 and 012 to Broad River and 013 to Mayo Creek to Broad River

Receiving Water Classification (see R.61-69 for water classifications): Fresh Water

→Does any discharge(s) have the potential to affect waters in another state? No (If yes, EPA review required.)

Is any discharge to Impaired Waters?: Yes

If Yes, list the monitoring station number and parameter(s) causing impairment: Station B-345, downstream of Outfalls 001, 003, 012 and 014 is listed as impaired for Cu. Station B-236, downstream of Outfall 013 is listed as impaired for Cu.

→Average Discharge Flow from outfall with largest average flow: (Q_d) (MGD): 682.2 (from original permit application) (EPA review required for any average discharge exceeding 0.5 MGD)

→Is this permit for a Federal facility with a daily average flow greater than 0.05 MGD (from all sources)? No (If yes, EPA review required.)

Primary Industry Categories

Adhesives and sealants
Aluminum forming
Auto and other laundries
Battery manufacturing
Coal mining
Coil coating
Copper forming
Electrical and electronic components
Electroplating
Explosives manufacturing
Foundries
Gum and wood chemicals
Inorganic chemicals manufacturing
Iron and steel manufacturing
Leather tanning and finishing
Mechanical products manufacturing
Nonferrous metal manufacturing
Ore mining
Organic chemicals manufacturing
Paint and ink formulation
Pesticides
Petroleum refining
Pharmaceutical preparations
Photographic equipment and supplies
Plastics processing
Plastic and synthetic materials manufacturing
Porcelain enameling
Printing and publishing
Pulp and paper mills
Rubber processing
Soap and detergent manufacturing
Steam electric power plants
Textile Mills
Timber Products Processing

Modification: The permittee submitted in a revised application dated 10/31/07 to include groundwater as a wastewater source in Outfalls 012 and 013. As a result of this, the flow in these two Outfalls would increase. The Department reran the spreadsheets for Outfalls 012 and 013 with the proposed increase in flow and included the monthly copper and zinc DMR data since the issuance of the permit (this permit includes MR for copper and zinc on Outfalls 012 and 013 and zinc on Outfall 013). No changes have been made to the effluent limitations, however groundwater has been added as a wastewater source to these two Outfalls (in Part III of the permit).

Also, the following statement has been added to Part V.E.10 of the permit:

This permit no longer covers storm water associated with industrial activity except those storm water discharges specifically identified as discharging through a listed outfall on the limitations pages of this permit. The permittee has been approved for a No Exposure Certification (SCRNE0181) for the discharge of storm water associated with industrial activity at this site not specifically identified as discharging through a listed outfall on the limitations pages of this permit.

IV. PROCEDURES FOR REACHING A FINAL PERMIT DECISION

A. Comment Period (R.61-9.124.10 and 11)

The Department of Health and Environmental Control proposes to issue an NPDES permit to this applicant subject to the effluent limitations and special conditions outlined in this document. These determinations are tentative.

During the public comment period, any interested person may submit written comments on the draft permit to the following address:

SC Dept. of Health and Environmental Control
Water Facilities Permitting Division
Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201

For additional information, interested persons may contact Melanie Townley at 803-898-4223.

All written comments received during the period beginning ??? and ending on ??? shall be considered in making the final decision and shall be answered as prescribed below. See Public Notice ???.

Per R.61-9.124.17, the Department is only required to issue a response to comments when a final permit is issued. This response shall:

1. Specify which provisions, if any, of the draft permit have been changed in the final permit decision, and the reasons for the change; and
2. Briefly describe and respond to all significant comments on the draft permit raised during the public comment period, or during any hearing.

The response to comments shall be available to the public.

B. Public Hearings (R.61-9.124.11 and 12)

During the public comment period, any interested person may request a public hearing, if no hearing has already been scheduled. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Determinations and Scheduling.

1. Within the thirty (30) day comment period or other applicable comment period provided after posting or publishing of a public notice, an applicant, any affected state or interstate agency, the Regional Administrator or any other interested person or agency may file a petition with the Department for a public hearing on an application for a permit. A petition for a public hearing shall indicate the specific reasons why a hearing is requested, the existing or proposed discharge identified therein and specifically indicate which portions of the application or other permit form or information constitutes necessity for a public hearing. If the Department determines that a petition constitutes significant cause or that there is sufficient public interest in an application for a public hearing, it may direct the scheduling of a hearing thereon.

2. A hearing shall be scheduled not less than four (4) nor more than eight (8) weeks after the Department determines the necessity of the hearing in the geographical location of the applicant or, at the discretion of the Department, at another appropriate location, and shall be noticed at least thirty (30) days before the hearing. The notice of public hearing shall be transmitted to the applicant and shall be published in at least one (1) newspaper of general circulation in the geographical area of the existing or proposed discharge identified on the permit application and shall be mailed to any person or group upon request thereof. Notice shall be mailed to all persons and governmental agencies which received a copy of the notice or the fact sheet for the permit application.
3. The Department may hold a single public hearing on related groups of permit applications.
4. The Department may also hold a public hearing at its discretion, whenever, for instance, such a hearing might clarify one or more issues involved in the permit decision;
5. Public notice of the hearing shall be given in accordance with R.61-9.124.10.

Any person may submit oral or written statements and data concerning the draft permit. Reasonable limits may be set upon the time allowed for oral statements, and the submission of statements in writing may be required. The public comment period under R.61-9.124.10 shall automatically be extended to the close of any public hearing under this section. The hearing officer may also extend the comment period by so stating at the hearing.

A tape recording or written transcript of the hearing shall be made available to the public.

C. Obligation to raise issues and provide information during the public comment period. (R.61-9.124.13)

All persons, including applicants, who believe any condition of a draft permit is inappropriate or that the Department's tentative decision to deny an application, terminate a permit, or prepare a draft permit is inappropriate, must raise all reasonably ascertainable issues and submit all reasonably available arguments supporting their position by the close of the public comment period (including any public hearing). No issue shall be raised during an appeal by any party that was not submitted to the administrative record as part of the preparation and comment on a draft permit, unless good cause is shown for the failure to submit it. Any supporting materials which are submitted shall be included in full and may not be incorporated by reference, unless they are already part of the administrative record in the same proceeding, or consist of State or Federal statutes and regulations, Department and EPA documents of general applicability, or other generally available reference materials. Commenters shall make supporting materials not already included in the administrative record available. (A comment period longer than 30 days may be necessary to give commenters a reasonable opportunity to comply with the requirements of this section. Additional time shall be granted under R.61-9.124.10 to the extent that a commenter who requests additional time demonstrates the need for such time).

D. Issuance and Effective Date of the Permit

1. After the close of the public comment period on a draft permit, the Department shall issue a final permit decision. The Department shall notify the applicant and each person who has submitted written comments or requested notice of the final permit decision. This notice shall include reference to the procedures for appealing a decision on a permit. For the purposes of this section, a final permit decision means a final decision to issue, deny, modify, revoke and reissue, or terminate a permit.
2. A final permit decision shall become effective 30 days after the service of notice of the decision unless:
 - (a) A later effective date is specified in the decision; or

(b) No comments requested a change in the draft permit, in which case the permit shall become effective on the effective date shown in the issued permit.

3. Issuance or Denial of Permits. An appeal to a final determination of the Department or to a condition of a permit issued or the denial of a permit pursuant to the State law and Regulation 61-9, shall be in accordance with and subject to 48-1-200 of the SC Code (see E below).

E. Adjudicatory Hearings

The issuance of this permit by the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department.

An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3323:

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201

The request for final review should include the following:

1. The grounds on which the Department's decision is challenged and the specific changes sought in the decision,
2. A statement of any significant issues or factors the Board should consider in deciding how to handle the matter, and
3. A copy of the Department's decision or action under review.

If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.

The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.

If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

Information pertaining to adjudicatory matters may be obtained by contacting the Legal Office of the Department of Health and Environmental Control, 2600 Bull Street, Columbia, South Carolina or by calling 803-898-3350.