August 31, 2007

Virginia Electric and Power Company
ATTN: Mr. David A. Christian
     Senior Vice President and
     Chief Nuclear Officer
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA  23060

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - SURRY
         POWER STATION

Dear Mr. Christian:

On August 16, 2007, the NRC staff completed its performance review of the Surry Power
Station for the first half of the calendar year 2007 assessment cycle.  Our technical staff
reviewed performance indicators for the most recent quarter and inspection results over the
previous twelve months.  The purpose of this letter is to inform you of our assessment of your
safety performance during this period and our plans for future inspections at your facility.

This performance review and the enclosed inspection plan do not include physical protection
information.  A separate letter designated and marked as “Exempt from Public Disclosure in
Accordance with 10 CFR 2.390” will include the physical protection review and a resultant
inspection plan.

Overall, Units 1 and 2 operated in a manner that preserved public health and safety and fully
met all cornerstone objectives.  Plant performance for the Surry Power Station, for the most
recent quarter was in the Licensee Response Column of the NRC’s Action Matrix, based on all
inspection findings being classified as having very low safety significance (Green) and all
performance indicators indicating performance at a level requiring no additional NRC oversight
(Green).  Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at
your facility.  In addition to the ROP baseline inspections, we plan to conduct non-baseline
inspections involving containment sump blockage and inspections of your Independent Spent
Fuel Storage Installation.

The enclosed inspection plan details the inspections, less those related to physical protection
scheduled through March 31, 2009.  The inspection plan is provided to allow for the resolution
of any scheduling conflicts and personnel availability issues well in advance of inspector arrival
onsite.  Routine resident inspections are not listed due to their ongoing and continuous nature.
The inspections in the last nine months of the inspection plan are tentative and may be revised
at the end-of-cycle review.
In accordance with 10 CFR 2.390 of the NRC’s “Rules of Practice,” a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC’s document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

The NRC is currently evaluating the scope and frequency of all baseline inspection procedures. If the results of the evaluation, or any other circumstances, causes us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4662 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Eugene F. Guthrie, Chief
Reactor Projects Branch 5
Division of Reactor Projects

Docket Nos.: 50-280, 50-281
License Nos.: DPR-32, DPR-37

Enclosure: Surry Inspection/Activity Plan (09/01/07 - 03/31/09)

cc w/encl: (See page 3)
cc w/encl:
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