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October 16, 2007

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

Subject: Cancellation of Licensee Event Report
River Bend Station – Unit 1
Docket No. 50-458
License No. NPF-47

File No. G9.5

RBG-46273
RBF1-07-0190

Dear Sir or Madam:

On March 8, 2007, River Bend Station (RBS) submitted Licensee Event Report (LER) 50-458 / 07-001-00. The reported condition involved the loss of a traversing incore probe (TIP), an item inventoried by the station as special nuclear material (SNM). The LER was submitted in accordance with 10CFR20.2201(a)(1)(ii) as a loss of licensed material of a quantity greater than ten times the quantity specified in Appendix C of that part.

As described in the LER, an inventory of non-fuel SNM materials on February 6, 2007, failed to locate the probe in its expected location. The initial investigation of this condition concluded that the TIP had likely been shipped to the licensed disposal facility at Barnwell, SC. However, during an annual inventory conducted on September 25, 2007, the TIP detector was found in the SNM storage room in the radioactive waste building inside the plant. The detector had been separated from its drive cable, and was in the bottom of a 55-gallon drum under a layer of moisture absorbent material.

The TIP probe had never been put into service, and was thus unirradiated. A new TIP probe contains approximately 0.75 milligrams of uranium-235, with a total activity of approximately 0.05 microcuries. The contact dose reading on the

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probe is less than 0.5 millirem per hour. Thus, this condition did not present an opportunity for excessive dose to radiation workers.

In accordance with the guidance of NUREG-1022, Event Reporting Guidelines, this letter is being submitted to cancel the subject LER. The TIP probe was never removed from the SNM storage area in the plant.

If you have any questions concerning this request, please contact me at 225-381-4157.

Sincerely,


David N. Lorfing
Manager – Licensing
DNL/DHW

cc: U. S. Nuclear Regulatory Commission
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