

## NUCLEAR REGULATORY COMMISSION

[Docket Nos. 50–498 and 50–499]

### STP Nuclear Operating Company; Notice of Withdrawal of Application for Amendments to Facility Operating Licenses

The U.S. Nuclear Regulatory Commission (the Commission) has granted the request of STP Nuclear Operating Company (the licensee) to withdraw its June 7, 2006, application for proposed amendments to Facility Operating License Nos. NPF–76 and NPF–80, respectively, for the South Texas Project, Units 1 and 2, located in Matagorda County.

The proposed amendments would have revised the facility's Spent Fuel Pool and In-Containment Storage Area Criticality Analysis.

The Commission had previously issued a Notice of Consideration of Issuance of Amendments published in the **Federal Register** on September 12, 2006 (71 FR 53721). However, by letter dated November 28, 2007, the licensee withdrew the proposed request for amendments.

For further details with respect to this action, see the application for amendments dated June 7, 2006, and the licensee's letter dated November 28, 2007, which withdrew the application for license amendments. Documents may be examined, and/or copied for a fee, at the NRC's Public Document Room (PDR), located at One White Flint North, Public File Area O1 F21, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will be accessible electronically from the Agencywide Documents Access and Management Systems (ADAMS) Public Electronic Reading Room on the internet at the NRC Web site, <http://www.nrc.gov/reading-rm.html>. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC PDR Reference staff by telephone at 1–800–397–4209, or 301–415–4737 or by e-mail to [pdr@nrc.gov](mailto:pdr@nrc.gov).

Dated at Rockville, Maryland, this 28th day of November, 2007.

For the Nuclear Regulatory Commission.

**Carl F. Lyon,**

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## NUCLEAR REGULATORY COMMISSION

[Docket Nos. 50–387 and 50–388]

### PPL Susquehanna, LLC; Susquehanna Steam Electric Station, Units 1 and 2; Draft Environmental Assessment and Finding of No Significant Impact Related to the Proposed License Amendment To Increase the Maximum Reactor Power Level

**AGENCY:** U.S. Nuclear Regulatory Commission (NRC).

**ACTION:** Notice of Opportunity for Public Comment.

**SUMMARY:** The NRC has prepared a Draft Environmental Assessment as its evaluation of a request by PPL Susquehanna, LLC for a license amendment to increase the maximum thermal power at Susquehanna Steam Electric Station, Units 1 and 2 (SSES 1 and 2), from 3,489 megawatts-thermal (MWt) to 3,952 MWt at each unit. This represents a power increase of approximately 13 percent thermal power. As stated in the NRC staff's position paper dated February 8, 1996, on the Boiling-Water Reactor Extended Power Uprate (EPU) Program, the NRC staff (the staff) will prepare an environmental impact statement if it believes a power uprate would have a significant impact on the human environment. The staff did not identify any significant impact from the information provided in the licensee's EPU application for Susquehanna Steam Electric Station, Units 1 and 2, or the staff's independent review; therefore, the staff is documenting its environmental review in an Environmental Assessment. Also, in accordance with the position paper, the Draft Environmental Assessment and Finding of No Significant Impact is being published in the **Federal Register** with a 30-day public comment period.

#### Environmental Assessment

##### *Plant Site and Environs*

SSES is located just west of the Susquehanna River approximately 5 miles northeast of Berwick, in Luzerne County, Pennsylvania. In total, SSES majority owner and licensed operator, PPL Susquehanna, LLC (PPL, the licensee), owns 2,355 acres of land on both sides of the Susquehanna River. Generally, this land is characterized by open deciduous woodlands interspersed with grasslands and orchards. Approximately 487 acres are used for generation facilities and associated maintenance facilities, laydown areas, parking lots, and roads. Approximately

130 acres are leased to local farmers. PPL maintains a 401-acre nature preserve, referred to as the Susquehanna Riverlands, which is located between SSES and the river; U.S. Route 11 separates the Susquehanna Riverlands from the plant site. The land on the west side of the river is about 1,573 acres and Gould Island, a 65-acre island just north of SSES on the Susquehanna River, is currently jointly owned between PPL (90%) and Allegheny Electric Cooperative (10%). Also, PPL currently owns an additional 717 acres of mostly undeveloped land, which includes natural recreational, and wildlife areas on the east side of the river (Reference 10).

SSES is a two-unit plant with General Electric boiling-water reactors and generators. NRC approved the Unit 1 operating license on July 17, 1982, and commercial operation began June 8, 1983. The Unit 2 operating license was issued on March 3, 1984, and commercial operation began February 12, 1985. Units 1 and 2 both currently operate at 3,489 MWt (Reference 8). The units share a common control room, refueling floor, turbine operating deck, radwaste system, and other auxiliary systems (Reference 9).

SSES uses a closed-cycle heat dissipation system (two natural-draft cooling towers) to transfer waste heat from the circulating water system to the atmosphere. The circulating water and the service water systems draw water from, and discharge to, the Susquehanna River. The river intake structure is located on the western bank of the river and consists of two water entrance chambers with 1-inch, on-center vertical trash bars and 3/8-inch-mesh traveling screens. A low-pressure screen-wash system periodically operates to release aquatic organisms and debris impinged on the traveling screens to a pit with debris removal equipment that collects material into a dumpster for offsite disposal. Cooling tower blowdown, spray pond overflow, and other permitted effluents are discharged to the Susquehanna River through a buried pipe leading to a submerged discharge diffuser structure, approximately 600 feet downstream of the river intake structure. The diffuser pipe is 200-feet long, with the last 120 feet containing 72 four-inch portals that direct the discharge at a 45-degree angle upwards and downstream. Warm circulating water from the cooling towers can be diverted to the river intake structure to prevent icing; this usually occurs from November through March on an as-needed basis (Reference 10).