

# Duquesne Light Company

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WCAP-14535  
January 24, 1996

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U. S. Nuclear Regulatory Commission  
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**Subject: Beaver Valley Power Station, Unit No. 1 and No. 2**  
**1 Docket No. 50-334, License No. DPR-66**  
**2 Docket No. 50-412, License No. NPF-73**  
**WCAP-14535, "Topical Report on Reactor Coolant Pump Flywheel**  
**Inspection Elimination"**

The purpose of this letter is to request Nuclear Regulatory Commission (NRC) review and acceptance of the enclosed WCAP-14535, "Topical Report on Reactor Coolant Pump Flywheel Inspection Elimination," (nonproprietary), in accordance with the NRC licensing topical report program. Duquesne Light Company is submitting this Topical Report on the Beaver Valley dockets as the two lead plants for approval of WCAP-14535 as an acceptable alternative to the inservice inspection recommendations stated in Position C.4.b. of Regulatory Guide 1.14, titled "Reactor Coolant Pump Flywheel Integrity," 1971, Revision 1, August 1975. Reactor coolant pump (RCP) flywheel inspection is performed in accordance with the Beaver Valley licensing commitment to Regulatory Guide 1.14. Review of the enclosed information is requested to support the Beaver Valley Unit 2 sixth refueling outage currently scheduled to start August 30, 1996. The enclosed report, issued January 1996, provides the technical basis for the elimination of inspection and surveillance of the RCP flywheel for domestic Westinghouse and Babcock and Wilcox PWR plants and will be referenced in other licensee actions requesting a license change regarding the elimination of the inspection and surveillance requirements on the RCP flywheel.

Beaver Valley Unit 2 is currently scheduled to perform an RCP flywheel inspection in September 1996 during the sixth refueling outage; however, there are several utilities with earlier outages and a more urgent need to eliminate inspection and surveillance of RCP flywheels through their licensing actions. Other licensees, and their associated outage schedules, planning to utilize this Topical Report in the near future include, but are not limited to, the following:

• Florida Power Corporation	Crystal River (50-302)	March 1996
• South Carolina Electric and Gas Co.	V. C. Summer (50-395)	April 1996

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• Georgia Power Co.	Vogtle-1 (50-424)	March 1996
	Vogtle-2 (50-425)	September 1996
• TU Electric Co.	Commanche Peak-1 (50-445)	September 1996
	Commanche Peak-2 (50-446)	March 1996
• Virginia Power	Surry-1 (50-280)	October 1996
	Surry-2 (50-281)	March 1997
	North Anna-1 (50-338)	Spring 1997
	North Anna-2 (50-339)	October 1996

For these licensees, there exists a technical specification requirement to perform RCP flywheel inspections. The Beaver Valley Unit 1 and 2 inspection commitments for the RCP flywheel are contained in each Unit's Updated Final Safety Analysis Report in Sections 4.2.2.5 and 5.4.1.5.2, respectively. Other licensees who apply this WCAP and the NRC review results to their facilities are responsible to provide information applicable to their specific docket required to support plant-specific reviews.

On October 17, 1995, representatives of the Westinghouse Owners Group (WOG) and several utilities met with Mr. Ted Sullivan and Mr. Keith Wichman, and other NRC staff members, to discuss the basis for eliminating RCP flywheel inspections and the proposed submittal of the subject Topical Report. In addition, NRC guidance was provided to make the report more complete in the area of flywheel inspection history. It was noted at this meeting that both Westinghouse and Babcock and Wilcox supplied analytical basis for the RCP flywheel structural reliability, thus making the report a joint industry initiative.

Twenty-three (23) copies of the WOG report (WCAP-14535) are enclosed. These reports transmitted herewith each bear a Westinghouse copyright notice. With respect to the nonproprietary version of this report, the NRC is permitted to make copies beyond those necessary for its internal use which are necessary in order to have one copy available for public viewing in the appropriate docket files in the public document room in Washington, DC and in local public document rooms as may be required by NRC regulations if the number of copies submitted is insufficient for this purpose. Copies made by the NRC must include the copyright notice in all instances.

Correspondence with respect to the copyrighted aspects of the items listed above should be addressed to Mr. N. J. Liparulo, Manager, Regulatory and Engineering Networks, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, PA 15230-0355.

Questions regarding this request for approval of the Topical Report should be directed to Mr. Dennis P. Weakland at (412) 393-5958.

Sincerely,



George S. Thomas

c: w/enclosure:

Mr. L. W. Rossbach, Sr. Resident Inspector  
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Mr. D. S. Brinkman, Sr. Project Manager - (3 copies)  
Ms. Diane Jackson, Westinghouse Electric Corporation

w/o enclosure:

Mr. David Haile, South Carolina Electric and Gas Co.  
Mr. Pat Naughton, Virginia Power  
Mr. Don Gulling, Florida Power Corporation  
Mr. Ben Mays, TU Electric Co.  
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