



- Domestic Members**
- AmerenUE
 - Callaway
 - American Electric Power Co.
D.C. Cook 1 & 2
 - Arizona Public Service Co.
Palo Verde 1, 2 & 3
 - Constellation Energy Group
Calvert Cliffs 1 & 2
R. E. Ginna
 - Dominion Nuclear Connecticut
Millstone 2 & 3
 - Dominion Virginia Power
North Anna 1 & 2
Surry 1 & 2
 - Duke Energy
Catawba 1 & 2
McGuire 1 & 2
 - Entergy Nuclear Northeast
Indian Point 2 & 3
 - Entergy Nuclear South
ANO 2
Waterford 3
 - Exelon Generation Company LLC
Braidwood 1 & 2
Byron 1 & 2
 - FirstEnergy Nuclear Operating Co.
Beaver Valley 1 & 2
 - FPL Group
St. Lucie 1 & 2
Seabrook
Turkey Point 3 & 4
 - Nuclear Management Co.
Kewaunee
Palisades
Point Beach 1 & 2
Prairie Island
 - Omaha Public Power District
Fort Calhoun
 - Pacific Gas & Electric Co.
Diablo Canyon 1 & 2
 - Progress Energy
H. B. Robinson 2
Shearon Harris
 - PSEG – Nuclear
Salem 1 & 2
 - South Carolina Electric & Gas Co.
V. C. Summer
 - Southern California Edison
SONGS 2 & 3
 - STP Nuclear Operating Co.
South Texas Project 1 & 2
 - Southern Nuclear Operating Co.
J. M. Farley 1 & 2
A. W. Vogtle 1 & 2
 - Tennessee Valley Authority
Sequoyah 1 & 2
Watts Bar 1
 - TXU Electric
Comanche Peak 1 & 2
 - Wolf Creek Nuclear Operating Corp.
Wolf Creek
- International Members**
- Electrabel
Doel 1, 2, 4
Tihange 1 & 3
 - Electricité de France
 - Kansai Electric Power Co.
Mihama 1
Takahama 1
Ohi 1 & 2
 - Korea Hydro & Nuclear Power Co.
Kori 1 – 4
Ulchin 3 & 4
Yonggwang 1 - 5
 - British Energy plc
Sizewell B
 - NEK
Krško
 - Spanish Utilities
Asco 1 & 2
Vandellós 2
Almaraz 1 & 2
 - Ringhals AB
Ringhals 2 – 4
 - Taiwan Power Co.
Maanshan 1 & 2

August 20, 2004

WOG-04-414

WCAP-16168-NP, Rev.0
Project Number 694

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Westinghouse Owners Group
Westinghouse Owners Group Request to Withdraw WCAP-16168-NP, “Risk-Informed Extension of Reactor Vessel In-Service Inspection Interval” (PA-MS-C-0120)

WCAP 16168-NP, “Risk-Informed Extension of Reactor Vessel In-Service Inspection Interval,” provides the technical justification for extending the reactor vessel in-service inspection (ISI) interval from 10 to 20 years and was submitted for NRC review and approval by Reference 1. Reference 2 agreed to pay for the review fees associated with the review of WCAP-16168-NP.

The purpose of this letter is to withdraw WCAP-16168-NP from NRC review, based on the discussions in the June 24, 2004 meeting between the Westinghouse Owners Group (WOG) and the NRC. The WOG agreed to withdraw WCAP-16168-NP based on the NRC’s agreement to consider the approval of 10CFR50.55a requests that request deferring, up to 18 months, the 10 year reactor vessel ISIs currently required to be performed in the next 30 months by WOG members. The NRC requested the WOG to identify the plants and currently scheduled 10 year reactor vessel ISI dates. Table 1 provides this requested information for WOG plants that have committed to implement WCAP-16168.

The technical approach utilized in the reactor vessel ISI interval extension program is based on a majority of the work being performed in support of another ongoing program, the Pressurized Thermal Shock (PTS) Risk Reevaluation Program, and also includes the same pilot plants evaluated in that program. The “Technical Basis for Revision of the Pressurized Thermal Shock (PTS) Screening Criteria in the PTS Rule (10 CFR 50.61),” is currently being revised and is scheduled to be completed by Nuclear Regulatory Research in December 2004. The WOG intends to resubmit

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WCAP-16168-NP for NRC review and approval in the first quarter of 2005, after the revised PTS Risk Reevaluation Program is transmitted to Nuclear Reactor Regulation, and, as such, we request that the WCAP be reviewed at that time in parallel with PTS Risk Reevaluation Program.

The use of the PTS work in the reactor vessel ISI interval extension program was recommended by the Staff during the meetings held to discuss the program. The use of the PTS work in the reactor vessel ISI interval extension program minimizes the Staff resources, since that approach must be reviewed for the PTS risk reevaluation program. Utilizing a common approach in both programs ensures the most efficient use of both the NRC and industry resources for both of these efforts.

WCAP-16168-NP concluded that extending the reactor vessel ISI interval from 10 to 20 years satisfies all of the criteria contained in Regulatory Guide 1.174, is consistent with the approach used for the ongoing PTS risk re-evaluation program, and results in a reduction in radiation exposure associated with performing the inspections.

If you have any questions regarding this request, please feel free to call me at 630-657-3897 or Mr. Jim Andrachek (Westinghouse) at 412-374-5018.

Very truly yours,



Frederick P. "Ted" Schiffley, II
Chairman, Westinghouse Owners Group

mjl

References:

1. Westinghouse Owners Group Letter (F.P. Schiffley) to USNRC, Chief, Information Management Branch, "Transmittal of WCAP-16168, Rev. 0 (Non-Proprietary) "Risk-Informed Extension of Reactor Vessel In-Service Inspection Interval," WOG-03-565, October 31, 2003.
2. Westinghouse Owners Group Letter (F.P. Schiffley) to USNRC, Chief, Information Management Branch, "Request for NRC Review of WCAP-16168, Rev. 0 (Non-Proprietary) "Risk-Informed Extension of Reactor Vessel In-Service Inspection Interval," WOG-04-075, February 13, 2004.

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cc: WOG Executive Committee
WOG Steering Committee
WOG Management Committee
WOG Analysis Subcommittee
WOG Materials Subcommittee
WOG Risk Management Subcommittee
WOG Licensing Subcommittee
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G. Shukla, USNRC (via Federal Express)
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Table 1- WOG Plant 10 Year ISI Schedules
 (Applicable to WOG plants that have committed to implement WCAP-16168)

Plant/Unit	Currently scheduled 10 year ISI	Date when 10 year ISI must be performed w/o 12 month extension	Amount of time that the 12 month extension falls short of the next RFO (months)
Catawba Unit 2	Fall 2004	August 2006	1-2 - (Fall 2007)
Indian Point Unit 2	Fall 2004	April 2006	14 - (Spring 2008)
Surry Unit 1	Fall 2004*	October 2003	N/A
Sequoyah Unit 2	Spring 2005	December 2005	0 - (Fall 2006)
Surry Unit 2	Spring 2005*	May 2004	N/A
Wolf Creek	Spring 2005	September 2005	2 - (Fall 2006)
Palisades	Spring 2006+	December 2005	9 - (Fall 2007)
Waterford Unit 3	Fall 2006	Fall 2006	11 - (Spring 2008)
Vogtle Unit 1	Fall 2006	May 2007	0 - (Spring 2008)
Beaver Valley Unit 2	Fall 2006	August 2008	1-2 - (Fall 2009)
Sequoyah Unit 1	Spring 2006#	December 2005	9 - (Fall 2007)

*12 month extension utilized

+ Approximately 6 months of the 12 month extension utilized

5.5 months of the 12 month extension utilized

RFO = Refueling Outage