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Wolf Creek

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Ringhals 2 - 4  
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Maanshan 1 & 2

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WCAP-15830-P, Rev. 0  
WCAP-15830-NP, Rev. 0  
Project Number 694

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

Attention: Chief, Information Management Branch  
Division of Program Management

Subject: Changes to Tables B2.3a and B2.4a of WCAP-15830-P, Rev. 0 (Proprietary) and WCAP-15830-NP, Rev. 0 (Non-Proprietary), "Staggered Integrated ESF Testing"

Reference: Westinghouse Owners Group Letter, "Transmittal of Report WCAP-15830-P, Rev 00 (Proprietary) and WCAP-15830-NP, Rev 00 (Non-Proprietary), 'Staggered Integrated ESF Testing,' dated March 2003," WOG-03-219, April 21, 2003.

In April 2003 the Westinghouse Owners Group (WOG) submitted WCAP-15830-P, Rev. 0 (Proprietary) and WCAP-15830-NP, Rev. 0 (Non-Proprietary), "Staggered Integrated ESF Testing," to the NRC for review and approval. Please find attached changes to Table B2.3a, *Existing Surveillance Test Intervals*, and Table B2.4a, *Proposed Surveillance Test Intervals*. These tables were changed, as shown by the italicized text, to include Technical Specification 3.1, Table 3-2, Item 7a, Verify Safety Injection Actuation. Tables B2.3a and B2.4a are Non-Proprietary. These changes will be incorporated into any revision and the approved versions of WCAP-15803-P and WCAP-15830-NP.

If you have any questions, please call Sumner Bemis in the Owners Group Program Management Office at (412) 374-6204.

Sincerely,  
Westinghouse Owners Group

R. H. Bryan, Chairman

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July 21, 2003  
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cc: WOG Steering Committee  
WOG Management Committee  
WOG Operations Subcommittee  
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<b>Table B2.3a Existing Surveillance Test Intervals</b>		
<b>SR</b>	<b>SR Description</b>	<b>Frequency</b>
T.S.3.1, Table 3-2, Item 3b	Verify Safety Injection Actuation Logic.	18 months
<i>T.S.3.1, Table 3-2, Item 7a</i>	<i>Verify Safety Injection Actuation.</i>	<i>18 months</i>
T.S.3.1, Table 3-2, Item 5b	Verify Containment Spray Actuation Logic.	18 months
T.S.3.1, Table 3-2, Item 8a	Verify Isolation Valve Closure.	18 months
T.S.3.1, Table 3-2, Item 8b	Verify manual Containment Isolation Actuation.	18 months
T.S.3.1, Table 3-2, Item 9	Verify manual Containment Spray Actuation.	18 months
T.S.3.1, Table 3-2, Items 19	Verify manual Recirculation Actuation.	18 months
T.S.3.1, Table 3-2, and 20(b)	Verify Recirculation Actuation Logic.	18 months
T.S.3.1 Table 3-2, Item 22	Verify manual Emergency Off-site Power Low Trip Actuation	18 months
T.S. 3.2, Table 3-5, Item 10a.4	Verify automatic and manual actuation of Control Room Emergency Cleanup System.	18 months
T.S.3.2, Table 3-5, Item 14	Verify Pressurizer Heater control circuit operation for post-accident use.	18 months
T.S.3.6 (1)	Verify that the Safety Injection system will respond promptly and perform its intended functions.	18 months
T.S.3.6 (2)	Verify that the Containment Spray system will respond promptly and perform its intended functions.	18 months
T.S.3.6 (3)	Verify that the Containment Recirculating Air Cooling and Filtering System will respond promptly and perform its intended functions.	18 months
T.S.3.7(1)c and 3.7(1)d	Verify satisfactory overall automatic operation of each EDG system. This test shall be conducted by: i. Initiation of a simulated auto-start signal to verify that the EDG starts, followed by, ii. Initiation of a simulated simultaneous loss of 4.16 kV supplies to bus 1A3 (1A4). Proper operation will be verified by observation of: (1) De-energization of bus 1A3 (1A4), (2) Load shedding from bus (both 4160 V and 480 V), (3) Energization of bus 1A3 (1A4), (4) Automatic sequence start of emergency load and (5) Operation of > 5 minutes while its generator is loaded with the emergency load. iii Verification that emergency loads do not exceed the 2000-HR kW rating of the engine. d. Manual control of EDGs and breakers shall also be verified during refueling shutdowns.	18 months
T.S.3.8	Verify the ability of the main steam isolation valves to close upon signal.	18 months

**Table B2.4a  
Proposed Surveillance Test Intervals**

SR	SR Description	Frequency
T.S.3.1, Table 3-2, Item 3b	Verify Safety Injection Actuation Logic.	18 months on a Staggered Bases
<i>T.S.3.1, Table 3-2, Item 7a</i>	<i>Verify Safety Injection Actuation.</i>	<i>18 months on a Staggered Bases</i>
T.S.3.1, Table 3-2, Item 5b	Verify Containment Spray Actuation Logic.	18 months on a Staggered Bases
T.S.3.1, Table 3-2, Item 8a	Verify Isolation Valve Closure.	18 months on a Staggered Bases
T.S.3.1, Table 3-2, Item 8b	Verify manual Containment Isolation Actuation.	18 months on a Staggered Bases
T.S.3.1, Table 3-2, Item 9	Verify manual Containment Spray Actuation.	18 months on a Staggered Bases
T.S.3.1, Table 3-2, Items 19	Verify manual Recirculation Actuation.	18 months on a Staggered Bases
T.S.3.1, Table 3-2, and 20(b)	Verify Recirculation Actuation Logic.	18 months on a Staggered Bases
T.S.3.1 Table 3-2, Item 22	Verify manual Emergency Off-site Power Low Trip Actuation	18 months on a Staggered Bases
T.S. 3.2, Table 3-5, Item 10a.4	Verify automatic and manual actuation of Control Room Emergency Cleanup System.	18 months on a Staggered Bases
T.S.3.2, Table 3-5, Item 14	Verify Pressurizer Heater control circuit operation for post-accident use.	18 months on a Staggered Bases
T.S.3.6 (1)	Verify that the Safety Injection system will respond promptly and perform its intended functions.	18 months on a Staggered Bases
T.S.3.6 (2)	Verify that the Containment Spray system will respond promptly and perform its intended functions.	18 months on a Staggered Bases
T.S.3.6 (3)	Verify that the Containment Recirculating Air Cooling and Filtering System will respond promptly and perform its intended functions.	18 months on a Staggered Bases
T.S.3.7(1)c and 3.7(1)d	Verify satisfactory overall automatic operation of each EDG system. This test shall be conducted by: i. Initiation of a simulated auto-start signal to verify that the EDG starts, followed by, ii. Initiation of a simulated simultaneous loss of 4.16 kV supplies to bus 1A3 (1A4). Proper operation will be verified by observation of: (1) De-energization of bus 1A3 (1A4), (2) Load shedding from bus (both 4160 V and 480 V), (3) Energization of bus 1A3 (1A4), (4) Automatic sequence start of emergency load and (5) Operation of > 5 minutes while its generator is loaded with the emergency load. iii Verification that emergency loads do not exceed the 2000-HR kW rating of the engine. d. Manual control of EDGs and breakers shall also be verified during refueling shutdowns.	18 months on a Staggered Bases
T.S.3.8	Verify the ability of the main steam isolation valves to close upon signal.	18 months on a Staggered Bases