SURVEILLANCE REQUIREMENTS (Continued)

1. Verifying that the ventilation system satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c, and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, and the system flow rate is 10,000 cfm ± 10%.

2. Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, shows the methyl iodide penetration less than 0.5% when tested in accordance with ASTM D3803-1989 at a temperature of 30°C and a relative humidity of 70%.

3. Verifying a system flow rate of 10,000 cfm ± 10% during system operation when tested in accordance with ANSI N510-1975.

c. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, shows the methyl iodide penetration less than 0.5% when tested in accordance with ASTM D3803-1989 at a temperature of 30°C and a relative humidity of 70%.

d. At least once per 18 months by:

1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 7.8 inches water gauge while operating the system at a flow rate of 10,000 cfm ± 10%.

2. Verifying that the system starts on a safety injection actuation test signal.

3. Verifying that the filter cooling bypass valves can be manually cycled.

4. Verifying that each system produces a negative pressure of greater than or equal to 0.25 inch water gauge in the annulus within 1 minute after a start signal.

5. Verifying that the heaters dissipate 60 + 6.0, -6.0 kW when tested in accordance with ANSI N510-1975.

SURVEILLANCE REQUIREMENTS (Continued)

2. Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, shows the methyl iodide penetration less than 0.5% when tested in accordance with ASTM D3803-1989 at a temperature of 30°C and a relative humidity of 70%.

3. Verifying a system flow rate of 4225 cfm ±10% during train operation when tested in accordance with ANSI N510-1975.

c. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, shows the methyl iodide penetration less than 0.5% when tested in accordance with ASTM D3803-1989 at a temperature of 30°C and a relative humidity of 70%.

d. At least once per 18 months by:

1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 7.8 inches water gauge while operating the train at a flow rate of 4225 cfm ±10%.

2. Verifying that on a safety injection actuation test signal or a high radiation test signal, the train automatically switches into a recirculation mode of operation with flow through the HEPA filters and charcoal adsorber banks.

3. Verifying that heaters dissipate 10 +1.0, -1.0 kW when tested in accordance with ANSI N510-1975.

e. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove greater than or equal to 99.95% of the DOP when they are tested in-place in accordance with ANSI N510-1975 while operating the train at a flow rate of 4225 cfm ±10%.

f. After each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorbers remove greater than or equal to 99.95% of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with ANSI N510-1975 while operating the train at a flow rate of 4225 cfm ±10%.

SURVEILLANCE REQUIREMENTS (Continued)

c. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, shows the methyl iodide penetration less than 0.5% when tested in accordance with ASTM D3803-1989 at a temperature of 30°C and a relative humidity of 70%.

d. At least once per 18 months by:

1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 7.8 inches water gauge while operating the system at a flow rate of 3000 cfm ± 10%.

2. Verifying that the system starts on a Safety Injection Actuation Test Signal and achieves and maintains a negative pressure of $\geq$ 0.25 inch water gauge within 45 seconds.

3. Verifying that the filter cooling bypass valves can be manually cycled.

4. Verifying that the heaters dissipate 20 + 2.0, -2.0 kW when tested in accordance with ANSI N510-1975.

e. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove greater than or equal to 99.95% of the DOP when they are tested in-place in accordance with ANSI N510-1975 while operating the system at a flow rate of 3000 cfm ± 10%.

f. After each complete or partial replacement of a charcoal absorber bank by verifying that the charcoal adsorbers remove greater than or equal to 99.95% of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with ANSI N510-1975 while operating the system at a flow rate of 3000 cfm ± 10%.

AMENDMENT ROUTING SHEET
PD IV, Section 1

Plant Name: Waterford 3 TAC No(s). MC0749
Subject: Relaxation of ventilation system heater surveillance requirement acceptance criteria
Application Date Sept. 12, 2003 (s) April 22, 2004

1. D. Barley	Licensing Assistant	concur
2. N. Kalyanam	Project Manager *	concur
3.	Tech Spec Section	concur
4.	Technical Branch	concur
5. OGC	(SRP# 9.4.5)	concur
6. N. Kalyanam	Project Manager KK	sign ltr / ☎ call State 5/13/04
7. Robert Gramm	Section Chief	concur/sign amdt 5/20
* SE Prepared By: Technical Branch ☒	Project Manager ☐ (check one)	
LA	Amdt No(s). 194	Date 5/24/04
Secretary	Insert Amendment No(s). and Date	
LA	QA Amdt Package ☒ / TS pgs checked ☒	
Secretary	Dispatch (Return Bkground/Incoming to LA or PM)	

Initial Determination: ☐ No Significant Hazards Consideration
☐ No Initial Determination Made (Cat. 3/Individual Notice)

Notice Published: October 14, 2003 68FR 59217) (☒ biweekly ☐ individual)
Notice Period 30 (days) Notice Period Expires 11/16/03 / 12/14/03
If less than 30 days or hearing request is received prepare FNSHC Determination
☐ EXIGENT / ☐ EMERGENCY enclosed
☐ Environmental Assessment enclosed

☒ Biweekly / ☐ Individual notice of issuance enclosed.

Date PM consulted w/State 5/13/04 Comments: Yes ☐ No ☒

Considered others impacted by staff action (2.206 petitions, open allegations, Congressional or public inquiries, significant enforcement actions, inspection activities, Commission policies, staff positions, Owners Group activities): NA ____ Initial: PM ____ SC ____
Communicated w/identified stakeholder(s): NA ____ Initial: PM ____ SC ____
Considered assessment of exceptionally good or weak licensee performance: Initial: PM ____ SC ____

Date LA checked w/SECY (415-1966/1675) 5/20/04 Petitions: ☐ Yes/☒ No
Date LA checked w/ADMN (415-6863/64) 5/20/04 Comments: ☐ Yes/☒ No

CONTACT: 415- Room O-