

ATTACHMENT 2 TO AEP:NRG:0956

PROPOSED CHANGES TO THE

DONALD C. COOK NUCLEAR PLANT UNITS 1 AND 2

TECHNICAL SPECIFICATIONS

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TABLE 3.3-13  
Radioactive Gaseous Effluent Monitoring Instrumentation

<u>Instrument (Instrument #)</u>	<u>Minimum Channels Operable</u>	<u>Applicability</u>	<u>ACTION</u>
1. Waste Gas Holdup System Explosive Gas Monitoring System <sup>3</sup>			
a. Hydrogen Monitor (QC-31)	(1)	**	30
b. Oxygen Monitor (QC-31, QC-370)	(2)	**	29
2. Condenser Evacuation System			
a. Noble Gas Activity Monitor (SRA-1905)	(1)	****	28
b. Flow Rate Monitor (SFR-401)	(1)	****	27
(1-MR-054 and/or SRA-1910)	(1)	****	27
3. Unit Vent, Auxiliary Building Ventilation System			
a. Noble Gas Activity Monitor (VRS-1505)	(1)	*	28
b. Iodine Sampler Cartridge for VRS-1503	(1)	*	32
c. Particulate Sampler Filter for VRS-1501	(1)	*	32
d. Effluent System Flow Rate Measuring Device (VFR-315)	(1)	*	27
(1-MR-054 and/or VRS-1510)	(1)	*	27
e. Sampler Flow Rate Measuring Device (VFS-1521)	(1)	*	27
4. Containment Purge System			
a. Aux. Building Vent. System Noble Gas Activity Monitor (VRS-1505)	(1)	**** <sup>1</sup>	31
b. Aux. Building Vent. System Particulate Sampler for VRS-1501	(1)	****	32
5. Waste Gas Holdup System			
a. Noble Gas Activity Monitor Providing Alarm and Termination of Gas Decay Tank Releases (VRS-1505)	(1)	**** <sup>2</sup>	33
6. Gland Seal Exhaust			
a. Noble Gas Activity Monitor (SRA-1805)	(1)	****	28
b. Flow Rate Monitor (SFR-201)	(1)	****	27
(1-MR-054 and/or SRA 1810)	(1)	****	27

TABLE 3.3-13 (Cont.)

\* At all times

\*\* During waste gas holdup system operation (treatment for primary system gases)

\*\*\*\*During releases via this pathway.

<sup>1</sup>For purge purposes only, see Technical Specifications 3.3.3.10, Table 3.3-13 and Table 4.3-9 (Items 3.a, 5.a in both tables) for non-purging requirements associated with this instrument.

<sup>2</sup>For gas decay tank releases only, see Item 3 (Unit Vent, Auxiliary Building Ventilation System) for additional requirements.

<sup>3</sup>The waste gas holdup system explosive gas monitoring system may be inoperable for up to 160 days on a one-time basis for the purpose of replacing one hydrogen and one oxygen monitor. During this time grab samples for both hydrogen and oxygen are to be taken and analyzed every 12 hours.

TABLE 4.3-9  
Radioactive Gaseous Effluent Monitoring Instrumentation  
Surveillance Requirements

<u>Instrument (Instrument #)</u>	<u>CHANNEL CHECK</u>	<u>SOURCE CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1. Waste Gas Holdup System Explosive Gas Monitoring System				
a. Hydrogen**** Monitor (QC-31)	D***	NA	Q(3)	M
b. Oxygen**** Monitor (QC-31)	D***	NA	Q(4)	M
c. Oxygen Monitor (Alt., QC-370)	D***	NA	Q(4)	M
2. Condenser Evacuation System				
a. Noble Gas Activity Monitor (SRA-1905)	D**	M	R(2)	Q(1)
b. System Effluent Flow Rate (SFR-401, 1-MR-054, SRA-1910)	D**	NA	R	Q
3. Auxiliary Building Ventilation System				
a. Noble Gas Activity Monitor (VRS-1505)	D*	M	R(2)	Q(1)
b. Iodine Sampler (For VRS-1503)	W*	NA	NA	NA
c. Particulate Sampler (For VRS-1501)	W*	NA	NA	NA
d. System Effluent Flow Rate Measurement Device (VFR-315, 1-MR-054, VRS-1510)	D*	NA	R	Q
e. Sampler Flow Rate Measurement Device (VFS-1521)	D*	NA	R	Q
4. Containment Purge System				
a. Aux. Building Vent. System Noble Gas Activity Monitor (VRS-1505)	D**	P	R(2)	Q(1)
b. Aux. Building Vent. System Particulate Sampler (For VRS-1501)	W**	NA	NA	NA
5. Waste Gas Holdup System				
a. Noble Gas Activity Monitor Providing Alarm & Termination of Gas Decay Tank Releases (VRS-1505)	P**	P	R(2)	Q(5)

TABLE 4.3-9 (Cont)

<u>Instrument (Instrument #)</u>	<u>CHANNEL CHECK</u>	<u>SOURCE CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
6. Gland Seal Exhaust				
a. Noble Gas Activity (SRA-1805)	D**	M	R(2)	Q(1)
b. System Effluent Flow Rate (SFR-201, 1-MR-054, SRA-1810)	D**	NA	R	Q

\* At all times

\*\* During release via this pathway

\*\*\* During waste gas holdup system operation (treatment for primary system offgases)

\*\*\*\* These surveillances are not required during the 160-day period in which this monitor is being replaced.

TABLE 3.3-13

Radioactive Gaseous Effluent Monitoring Instrumentation

<u>Instrument (Instrument #)</u>	<u>Minimum Channels Operable</u>	<u>Applicability</u>	<u>ACTION</u>
1. Waste Gas Holdup System Explosive Gas Monitoring System <sup>3</sup>			
a. Hydrogen Monitor (QC-31)	(1)	**	30
b. Oxygen Monitor (QC-31, QC-370)	(2)	**	29
2. Condenser Evacuation System			
a. Noble Gas Activity Monitor (SRA-2905)	(1)	****	28
b. Flow Rate Monitor (SFR-401) (2-MR-054 and/or SRA-2910)	(1) (1)	**** ****	27 27
3. Unit Vent, Auxiliary Building Ventilation System			
a. Noble Gas Activity Monitor (VRS-2505)	(1)	*	28
b. Iodine Sampler Cartridge for VRS-2503	(1)	*	32
c. Particulate Sampler Filter for VRS-2501	(1)	*	32
d. Effluent System Flow Rate Measuring Device (VFR-315) (2-MR-054 and/or VRS-2510)	(1) (1)	* *	27 27
e. Sampler Flow Rate Measuring Device (VFS-2521)	(1)	*	27
4. Containment Purge System			
a. Aux. Building Vent. System Noble Gas Activity Monitor (VRS-2505)	(1)	**** <sup>1</sup>	31
b. Aux. Building Vent. System Particulate Sampler for VRS-2501	(1)	**** <sup>1</sup>	32
5. Waste Gas Holdup System			
a. Noble Gas Activity Monitor Providing Alarm and Termination of Gas Decay Tank Releases (VRS-2505)	(1)	**** <sup>2</sup>	33
6. Gland Seal Exhaust			
a. Noble Gas Activity Monitor (SRA-2805)	(1)	****	28
b. Flow Rate Monitor (SFR-201) (2-MR-054 and/or SRA 2810)	(1) (1)	**** ****	27 27
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TABLE 3.3-13 (Cont.)

- \* At all times
- \*\* During waste gas holdup system operation (treatment for primary system gases)
- \*\*\*\*During releases via this pathway.

<sup>1</sup>For purge purposes only, see Technical Specifications 3.3.3.10, Table 3.3-13 and Table 4.3-9 (Items 3.a, 5.a in both tables) for non-purging requirements associated with this instrument.

<sup>2</sup>For gas decay tank releases only, see Item 3 (Unit Vent, Auxiliary Building Ventilation System) for additional requirements.

<sup>3</sup>The waste gas holdup system explosive gas monitoring system may be inoperable for up to 160 days on a one-time basis for the purpose of replacing one hydrogen and one oxygen monitor. During this time grab samples for both hydrogen and oxygen are to be taken and analyzed every 12 hours.

TABLE 4.3-9  
Radioactive Gaseous Effluent Monitoring Instrumentation  
Surveillance Requirements

<u>Instrument (Instrument #)</u>	<u>CHANNEL CHECK</u>	<u>SOURCE CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1. Waste Gas Holdup System Explosive Gas Monitoring System				
a. Hydrogen**** Monitor (QC-31)	D***	NA	Q(3)	M
b. Oxygen**** Monitor (QC-31)	D***	NA	Q(4)	M
c. Oxygen Monitor (Alt., QC-370)	D***	NA	Q(4)	M
2. Condenser Evacuation System				
a. Noble Gas Activity Monitor (SRA-2905)	D**	M	R(2)	Q(1)
b. System Effluent Flow Rate (SFR-401, 2-MR-054, SRA-2910)	D**	NA	R	Q
3. Auxiliary Building Ventilation System				
a. Noble Gas Activity Monitor (VRS-2505)	D*	M	R(2)	Q(1)
b. Iodine Sampler (For VRS-2503)	W*	NA	NA	NA
c. Particulate Sampler (For VRS-2501)	W*	NA	NA	NA
d. System Effluent Flow Rate Measurement Device (VFR-315, 2-MR-054, VRS-2510)	D*	NA	R	Q
e. Sampler Flow Rate Measurement Device (VFS-2521)	D*	NA	R	Q
4. Containment Purge System				
a. Aux. Building Vent. System Noble Gas Activity Monitor (VRS-2505)	D**	P	R(2)	Q(1)
b. Aux. Building Vent. System Particulate Sampler (For VRS-2501)	W**	NA	NA	NA
5. Waste Gas Holdup System				
a. Noble Gas Activity Monitor Providing Alarm & Termination of Gas Decay Tank Releases (VRS-2505)	P**	P	R(2)	Q(5)



TABLE 4.3-9 (Cont)

<u>Instrument (Instrument =)</u>	<u>CHANNEL CHECK</u>	<u>SOURCE CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
6. Gland Seal Exhaust				
a. Noble Gas Activity (SRA-2805)	D**	M	R(2)	Q(1)
b. System Effluent Flow Rate (SFR-201, 2-MR-054, SRA-2810)	D**	NA	R	Q

\* At all times

\*\* During release via this pathway

\*\*\* During waste gas holdup system operation (treatment for primary system offgases)

\*\*\*\* These surveillances are not required during the 160-day period in which this monitor is being replaced.