

ATTACHMENT 2 TO AEP:NRG:0956G

EXISTING TECHNICAL SPECIFICATIONS

PAGES MARKED TO REFLECT PROPOSED CHANGES

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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			
a. Hydrogen Monitor QC-11 QC-1400 (1)	(1)	**	30
b. Oxygen Monitor QC-11 QC-1400 (2) 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-1505	(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)	**** ¹	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)	**** ²	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.

¹For 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.

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

³The 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 (QG-31) QC-1400	D***	NA	Q(3)	M
b. Oxygen Monitor (QG-31) QC-1400	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)	D*	M	NA	NA
c. Particulate Sampler (For VRS-1501)	D*	M	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)	D**	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 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 ³			
a. Hydrogen Monitor (QC-31) QC-1400 (1)	(1)	**	30
b. Oxygen Monitor (QC-31, QC-1400 (2) QC-370)	(2)	**	29
2. Condenser Evacuation System			
a. Noble Gas Activity Monitor (SRA-2905)	(1)	****	28
b. Flow Rate Monitor (SFR-401)	(1)	****	27
(2-MR-054 and/or SRA-2910)	(1)	****	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)	(1)	*	27
(2-MR-054 and/or VRS-2510)	(1)	*	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)	**** ¹	31
b. Aux. Building Vent. System Particulate Sampler for VRS-2501	(1)	**** ¹	32
5. Waste Gas Holdup System			
a. Noble Gas Activity Monitor Providing Alarm and Termination of Gas Decay Tank Releases (VRS-2505)	(1)	**** ²	33
6. Gland Seal Exhaust			
a. Noble Gas Activity Monitor (SRA-2805)	(1)	****	28
b. Flow Rate Monitor (SFR-201)	(1)	****	27
(2-MR-054 and/or SRA 2810)	(1)	****	27
D. C. COOK - UNIT 2	3/4 3-59	Amendment No.	80, 114

TABLE 3.3-13 (Cont.)

* At all times

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

****During releases via this pathway.

¹For 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.

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

³The 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) QC-1400	D***	NA	Q(3)	M
b. Oxygen ***** Monitor (QC-31) QC-1400	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)	**	NA	NA	NA
c. Particulate Sampler (For VRS-2501)	**	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)	**	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)

ATTACHMENT 3 TO AEP:NRC:0956G

PROPOSED REVISED TECHNICAL SPECIFICATION PAGES

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 ³			
a. Hydrogen Monitor (QC-1400)	(1)	**	30
b. Oxygen Monitor (QC-1400, 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	(1)	*	32
Cartridge for VRS-1503			
c. Particulate	(1)	*	32
Sampler Filter for VRS-1501			
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)	**** ¹	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)	**** ²	33

TABLE 3.3-13 (Cont)

<u>Instrument (Instrument #)</u>	<u>Minimum Channels Operable</u>	<u>Applicability</u>	<u>ACTION</u>
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

* At all times

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

**** During releases via this pathway

¹For 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.

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

³The 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 oxygen monitor. During this time grab samples for 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-1400)	D***	NA	Q(3)	M
b. Oxygen Monitor (QC-1400)	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

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			
a. Hydrogen Monitor (QC-1400)	(1)	**	30
b. Oxygen Monitor (QC-1400, QC-370)	(2)	**	29
2. Condenser Evacuation System			
a. Noble Gas Activity Monitor (SRA-2905)	(1)	****	28
b. Flow Rate Monitor (SFR-401)	(1)	****	27
(2-MR-054 and/or SRA-2910)	(1)	****	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)	(1)	*	27
(2-MR-054 and/or VRS-2510)	(1)	*	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)	**** ¹	31
b. Aux. Building Vent. System Particulate Sample for VRS-2501	(1)	**** ¹	32
5. Waste Gas Holdup System			
a. Noble Gas Activity Monitor Providing Alarm and Termination of Gas Decay Tank Releases (VRS-2505)	(1)	**** ²	33

TABLE 3.3-13 (Cont)

<u>Instrument (Instrument #)</u>	<u>Minimum Channels Operable</u>	<u>Applicability</u>	<u>ACTION</u>
6. Gland Seal Exhaust			
a. Noble Gas Activity Monitor (SRA-2805)	(1)	****	28
b. Flow Rate Monitor (SFR-201)	(1)	****	27
(2-MR-054 and/or SRA 2810)	(1)	****	27

* At all times.

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

**** During releases via this pathway.

¹ 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.

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

³ 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 oxygen monitor. During this time grab samples for 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-1400)	D***	NA	Q(3)	M
b. Oxygen Monitor (QC-1400)	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 Measure- ment 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