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November 16, 2006

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Subject: Duke Power Company LLC  
d/b/a Duke Energy Carolinas, LLC  
Oconee Nuclear Station  
Docket 50-269, -270, -287  
Selected Licensee Commitments Manual (SLC)

Gentlemen:

Pursuant to 10CFR 50.4 and 50.71, please find attached 7 copies of the latest revisions to the Oconee Selected Licensee Commitments Manual (SLC). The SLC Manual is Chapter 16.0 of the Oconee Updated Final Safety Analysis Report (UFSAR). This manual is intended to contain commitments and other station issues that warrant higher control, but are not appropriate for inclusion into the Technical Specifications (TS). Instead of being updated with the annual UFSAR Update, the SLC Manual will be updated as necessary throughout the year.

Very truly yours,

B. H. Hamilton  
Vice President  
Oconee Nuclear Station

RGJ/rgj  
Attachment

xc: W. D. Travers  
Regional Administrator, Region II

L. N. Olshan, ONRR

Dan Rich,  
Oconee Resident Inspector

A053

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U. S. Nuclear Regulatory Commission  
October 9, 2006  
Page 2

Bxc: ELL  
ONS Document Management  
MR Coordinator (Ron Harris)

Attachment #1

SLC revision

Remove Page

16.11.3-1 thru 18

Insert Page

16.11.3-1 thru 18

16.11 RADIOLOGICAL EFFLUENTS CONTROL

16.11.3 Radioactive Effluent Monitoring Instrumentation

COMMITMENT Radioactive Effluent Monitoring Instrumentation shall be OPERABLE as follows:

a. Liquid Effluents

The radioactive liquid effluent monitoring instrumentation channels shown in Table 16.11.3-1 shall be OPERABLE with their alarm/trip setpoints set to ensure that the limits of SLC 16.11.1.a are not exceeded.

b. Gaseous Process and Effluents

The radioactive gaseous process and effluent monitoring instrumentation channels shown in Table 16.11.3-2 shall be OPERABLE with their alarm/trip setpoints set to ensure that the limits of SLC 16.11.2.a are not exceeded.

c. The setpoints shall be determined in accordance with the methodology described in the ODCM and shall be recorded.

-----NOTE-----

Correction to setpoints determined in accordance with Commitment c may be permitted without declaring the channel inoperable.

APPLICABILITY: According to Table 16.11.3-1 and Table 16.11.3-2.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Alarm/trip setpoint less conservative than required for one or more effluent monitoring instrument channels.	A.1 Declare channel inoperable.	Immediately
	<u>OR</u> A.2 Suspend release of effluent monitored by the channel.	Immediately

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. One or more required liquid effluent monitoring instrument channels inoperable.</p>	<p>B.1 Enter the Condition referenced in Table 16.11.3-1 for the function.</p> <p><u>AND</u></p> <p>B.2 Restore the instrument(s) to OPERABLE status.</p>	<p>Immediately</p> <p>30 days</p>
<p>C. One or more required gaseous effluent monitoring instrument channels inoperable.</p>	<p>C.1 Enter the Condition referenced in Table 16.11.3-2 for the function.</p> <p><u>AND</u></p> <p>C.2 Restore the instrument(s) to OPERABLE status.</p>	<p>Immediately</p> <p>30 days</p>
<p>D. Required Action and associated Completion Time of Required Action B.2 or C.2 not met.</p>	<p>D.1 Explain in next Annual Radiological Effluent Release Report why inoperability was not corrected in a timely manner.</p>	<p>April 30 of following calendar year</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>E. As required by Required Action B.1 and referenced in Table 16.11.3-1. (RIA-33)</p>	<p>E.1.1 Analyze two independent samples in accordance with SLC 16.11.4.</p> <p><u>AND</u></p> <p>E.1.2 Conduct two independent data entry checks for release rate calculations</p> <p><u>AND</u></p> <p>E.1.3 Conduct two independent valve lineups of the effluent pathway.</p> <p><u>OR</u></p> <p>E.2 Suspend release of radioactive effluents by this pathway.</p>	<p>Prior to initiating subsequent release</p> <p>Prior to initiating subsequent release</p> <p>Prior to initiating subsequent release</p> <p>Immediately</p>
<p>F. As required by Required Action B.1 and referenced in Table 16.11.3-1. (RIA-54)</p>	<p>F.1 Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>F.2 Collect and analyze grab samples for gross radioactivity (beta and/or gamma) at a lower limit of detection of at least <math>10^{-7}</math> <math>\mu\text{Ci/ml}</math>.</p>	<p>Immediately</p> <p>Prior to each discrete release of the sump</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>G. As required by Required Action B.1 and referenced in Table 16.11.3-1. (Liquid Radwaste Effluent Line Flow Rate Monitor)</p>	<p>-----NOTE-----                      Not required during short, controlled outages of liquid effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage.                      -----</p> <p>G.1 Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>G.2 Estimate flow rate during actual releases.</p>	<p>Immediately</p> <p>Immediately</p> <p><u>AND</u></p> <p>Once per 4 hours thereafter</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>H. As required by Required Action B.1 and referenced in Table 16.11.3-1. (RIA-35, #3 Chemical Treatment Pond Composite Sampler and Sampler Flow Monitor (Turbine Building Sumps Effluent))</p>	<p>-----NOTE-----                      Not required during short, controlled outages of liquid effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage.                      -----</p> <p>H.1 Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>H.2 Collect and analyze grab samples for gross radioactivity (beta and/or gamma) at a lower limit of detection of at least <math>10^{-7}</math> <math>\mu\text{Ci/ml}</math>.</p>	<p>Immediately</p> <p>Immediately</p> <p><u>AND</u>                      Once per 12 hours thereafter</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>I. As required by Required Action C.1 and referenced in Table 16.11.3-2 for effluent releases from waste gas tanks (RIA-37, RIA-38) or containment purges (RIA-45).</p>	<p>-----NOTE-----            Not required during short, controlled outages of gaseous effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage.            -----</p> <p>I.1.1 Analyze two independent samples.</p> <p><u>AND</u></p> <p>I.1.2 Conduct two independent data entry checks for release rate calculations</p> <p><u>AND</u></p> <p>I.1.3 Conduct two independent valve lineups of the effluent pathway.</p> <p><u>OR</u></p> <p>I.2 Suspend release of radioactive effluents by this pathway.</p>	<p>Prior to initiating subsequent release</p> <p>Prior to initiating subsequent release</p> <p>Prior to initiating subsequent release</p> <p>Immediately</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>J. As required by Required Action C.1 and referenced in Table 16.11.3-2. (Effluent Flow Rate Monitor (Unit Vent, Containment Purge, Interim Radwaste Exhaust, Hot Machine Shop Exhaust, Radwaste Facility Exhaust, Waste Gas Discharge))</p>	<p>-----NOTE-----            Not required during short, controlled outages of gaseous effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage.            -----</p> <p>J.1 Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>J.2 Estimate flow rate</p>	<p>Immediately</p> <p>Immediately</p> <p><u>AND</u></p> <p>Once per 4 hours thereafter</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>K. As required by Required Action C.1 and referenced in Table 16.11.3-2. (RIA-45, RIA-53, 4RIA-45)</p>	<p>-----NOTE-----                      Not required during short, controlled outages of gaseous effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage.                      -----</p> <p>K.1 Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>K.2.1 Collect grab sample.</p> <p><u>AND</u></p> <p>K.2.2 Analyze grab samples for gross activity (beta and/or gamma).</p>	<p>Immediately</p> <p>Immediately</p> <p><u>AND</u> Once per 8 hours</p> <p>24 hours from collection of sample</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>L. As required by Required Action C.1 and referenced in Table 16.11.3-2. (Unit Vent Monitoring Iodine Sampler, Unit Vent Monitoring Particulate Sampler, Interim Radwaste Building Ventilation Monitoring Iodine Sampler, Interim Radwaste Building Ventilation Monitoring Particulate Sampler, Hot Machine Shop Iodine Sampler, Hot Machine Shop Particulate Sampler, Radwaste Facility Iodine Sampler, Radwaste Facility Particulate Sampler)</p>	<p>-----NOTE----- Not required during short, controlled outages of gaseous effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage. -----</p> <p>L.1 Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>L.2.1 -----NOTE----- The collection time of each sample shall not exceed 7 days. ----- Collect samples continuously using auxiliary sampling equipment.</p> <p><u>AND</u></p> <p>L.2.2 Analyze each sample.</p>	<p>Immediately</p> <p>Immediately</p> <p>48 hours from end of each sample collection</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>M. As required by Required Action C.1 and referenced in Table 16.11.3-2 for effluent from ventilation system or condenser air ejectors. (RIA-40)</p>	<p>-----NOTE-----            Not required during short, controlled outages of gaseous effluent monitoring instrumentation. Short controlled outages are defined as planned removals from service for durations not to exceed 1 hour, for purposes of sample filter changeouts, setpoint adjustments, service checks, and/or routine maintenance procedures. This guidance may be applied successively, provided that time between successive short, controlled outages is always at least equal to duration of immediately preceding outage.            -----</p> <p>M.1      Continuously monitor release through the unit vent.</p> <p><u>OR</u></p> <p>M.2      Suspend release of radioactive effluents by this pathway.</p> <p><u>OR</u></p> <p>M.3.1    Collect grab sample.</p> <p><u>AND</u></p> <p>M.3.2    Analyze grab sample for gross activity (beta and/or gamma).</p>	<p>Immediately</p> <p>Immediately</p> <p>Immediately</p> <p><u>AND</u> Once per 8 hours</p> <p>24 hours from collection of grab sample</p>

**SURVEILLANCE REQUIREMENTS**

SURVEILLANCE	FREQUENCY
<p>SR 16.11.3.1 -----NOTE-----                      The Channel Response check shall consist of verifying indications during periods of release. Channel response checks shall be made at least once per calendar day on days in which continuous, periodic or batch releases are made.                      -----                      Perform Channel Response Check.</p>	<p>During each release via this pathway</p>
<p>SR 16.11.3.2 -----NOTE-----                      The Channel Response check shall consist of verifying indications during periods of release. Channel response checks shall be made at least once per calendar day on days in which continuous, periodic or batch releases are made.                      -----                      Perform Channel Response Check.</p>	<p>24 hours</p>
<p>SR 16.11.3.3 Perform Source Check.</p>	<p>24 hours</p>
<p>SR 16.11.3.4 Perform Source Check.</p>	<p>31 days</p>
<p>SR 16.11.3.5 Perform Source Check.</p>	<p>92 days</p>

SURVEILLANCE	FREQUENCY
<p>SR 16.11.3.6 -----NOTE-----  The CHANNEL FUNCTIONAL TEST shall also demonstrate that automatic isolation of this pathway and control room annunciation occurs if any of the following conditions exist:</p> <ol style="list-style-type: none"> <li>1. Instrument indicates measured levels above the alarm/trip setpoint.</li> <li>2. Circuit failure (downscale only).</li> </ol> <p>-----</p> <p>Perform CHANNEL FUNCTIONAL TEST.</p>	<p>92 days</p>
<p>SR 16.11.3.7 -----NOTE-----  The CHANNEL FUNCTIONAL TEST shall also demonstrate that control room annunciation occurs if any of the following conditions exist:</p> <ol style="list-style-type: none"> <li>1. Instrument indicates measured levels above the alarm/trip setpoint.</li> <li>2. Circuit failure (downscale only).</li> </ol> <p>-----</p> <p>Perform CHANNEL FUNCTIONAL TEST.</p>	<p>92 days</p>
<p>SR 16.11.3.8 Perform CHANNEL FUNCTIONAL TEST.</p>	<p>92 days</p>

SURVEILLANCE	FREQUENCY
<p>SR 16.11.3.9</p> <p style="text-align: center;">-----NOTE-----</p> <p>The initial CHANNEL CALIBRATION shall be performed using one or more of the reference standards certified by the National Bureau of Standards or using standards that have been obtained from suppliers that participate in measurement assurance activities with the National Institute of Standards and Technology (NIST). The standards shall permit calibrating the system over its intended range of energy and measurement. For subsequent CHANNEL CALIBRATION, sources that have been related to the initial calibration shall be used. (Operating plants may substitute previously established calibration procedures for these requirements.)</p> <p style="text-align: center;">-----</p> <p>Perform CHANNEL CALIBRATION.</p>	<p>12 months</p>
<p>SR 16.11.3.10</p> <p>Perform CHANNEL CALIBRATION.</p>	<p>12 months</p>
<p>SR 16.11.3.11</p> <p>Perform leak test.</p>	<p>When cylinder gates or wicket gates are reworked</p>
<p>SR 16.11.3.12</p> <p>Perform Source Check.</p>	<p>Within 24 hours prior to each release via associated pathway</p>

Table 16.11.3-1  
LIQUID EFFLUENT MONITORING INSTRUMENTATION  
OPERATING CONDITIONS AND SURVEILLANCE REQUIREMENTS

INSTRUMENT	MINIMUM OPERABLE CHANNELS	APPLICABILITY	SURVEILLANCE REQUIREMENTS	CONDITION REFERENCED FROM REQUIRED ACTION B.1
1. Monitors Providing Automatic Termination of Release				
a. Liquid Radwaste Effluent Line Monitor, RIA-33	1	At all times	SR 16.11.3.1 SR 16.11.3.3 SR 16.11.3.6 SR 16.11.3.9	E
b. Turbine Building Sump, RIA-54	1	At all times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	F
2. Monitors not Providing Automatic Termination of Release				
Low Pressure Service Water RIA-35	1	At all times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	H
3. Flow Rate Measuring Devices				
a. Liquid Radwaste Effluent Line Flow Rate Monitor (OLW CR0725 or OLW SS0920)	1	At all times	SR 16.11.3.1 SR 16.11.3.10	G
b. Liquid Radwaste Effluent Line Minimum Flow Device	NA	NA	SR 16.11.3.1 SR 16.11.3.10	NA
c. Turbine Building Sump Minimum Flow Device	NA	NA	SR 16.11.3.1 SR 16.11.3.10	NA
d. Low Pressure Service Water Minimum Flow Device	NA	NA	SR 16.11.3.1 SR 16.11.3.10	NA

Table 16.11.3-1  
LIQUID EFFLUENT MONITORING INSTRUMENTATION  
OPERATING CONDITIONS AND SURVEILLANCE REQUIREMENTS

	INSTRUMENT	MINIMUM OPERABLE CHANNELS	APPLICABILITY	SURVEILLANCE REQUIREMENTS	CONDITION REFERENCED FROM REQUIRED ACTION B.1
e.	Keowee Hydroelectric Tailrace Discharge <sup>(a)</sup>	NA	NA	SR 16.11.3.11	NA
4.	Continuous Composite Sampler				
	#3 Chemical Treatment Pond Composite Sampler and Sampler Flow Monitor (Turbine Building Sumps Effluent)	1	At all times	SR 16.11.3.2 SR 16.11.3.10	H

(a) Flow is determined from the number of hydro units operating. If no hydro units are operating, leakage flow will be assumed to be 38 cfs based on historical data.

Radioactive Effluent Monitoring Instrumentation

16.11.3

Table 16.11.3-2  
GASEOUS EFFLUENT MONITORING INSTRUMENTATION  
OPERATING CONDITIONS AND SURVEILLANCE REQUIREMENTS

INSTRUMENT	MINIMUM OPERABLE CHANNELS (PER RELEASE PATH)	APPLICABILITY	SURVEILLANCE REQUIREMENTS	CONDITION REFERENCED FROM REQUIRED ACTION C.1
<b>1. Unit Vent Monitoring System</b>				
a. Noble Gas Activity Monitor Providing Alarm and Automatic Termination of Containment Purge Release (RIA-45 - Purge Isolation Function)	1	At All Times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	I
b. Noble Gas Activity Monitor Providing Alarm. (RIA-45 - Vent Stack Monitor Function)	1	At all times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	K
c. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
d. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
e. Effluent Flow Rate Monitor (Unit Vent Flow) (GWD CR0037 for Units 2 & 3)(MSC CR0001 for Unit 1)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
f. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA
g. Effluent Flow Rate Monitor (Containment Purge) (PR CR0082 for Units 2 & 3)(MSC CR0001 for Unit 1)	1	During Containment Purge Operation	SR 16.11.3.2 SR 16.11.3.10	J
h. CSAE Off Gas Monitor (RIA-40)	1	During Operation of CSAE	SR 16.11.3.2 SR 16.11.3.5 SR 16.11.3.8 SR 16.11.3.9	M
<b>2. Interim Radwaste Building Ventilation Monitoring System</b>				
a. Noble Gas Activity Monitor (RIA - 53)	1	At All Times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	K
b. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
c. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
d. Effluent Flow Rate Monitor (Interim Radwaste Exhaust) (GWD FT0082)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
e. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA

Radioactive Effluent Monitoring Instrumentation  
16.11.3

Table 16.11.3-2  
GASEOUS EFFLUENT MONITORING INSTRUMENTATION  
OPERATING CONDITIONS AND SURVEILLANCE REQUIREMENTS

INSTRUMENT	MINIMUM OPERABLE CHANNELS (PER RELEASE PATH)	APPLICABILITY	SURVEILLANCE REQUIREMENTS	CONDITION REFERENCED FROM REQUIRED ACTION C.1
<b>3. Hot Machine Shop Ventilation Sampling System</b>				
a. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
b. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
c. Effluent Flow Rate Monitor (Hot Machine Shop Exhaust) (Totalizer)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
d. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA
<b>4. Radwaste Facility Ventilation Monitoring System</b>				
a. Noble Gas Activity Monitor (4-RIA-45)	1	At All Times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	K
b. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
c. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
d. Effluent Flow Rate Monitor (Radwaste Facility Exhaust) (OVS CR2060)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
e. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA
<b>5. Waste Gas Holdup Tanks</b>				
a. Noble Gas Activity Monitor - Providing Alarm and Automatic Termination of Release (RIA-37,-38) <sup>b</sup>	1	During Waste Gas Holdup Tank Releases	SR 16.11.3.1 SR 16.11.3.6 SR 16.11.3.9 SR 16.11.3.12	I
b. Effluent Flow Rate Monitor (Waste Gas Discharge Flow) (GWD CR033 for Units 2 & 3)(MSC CR0001 for Unit 1)	1	During Waste Gas Holdup Tank Releases	SR 16.11.3.1 SR 16.11.3.10	J

(a) Alarms indicating low flow may be substituted for flow measuring devices.

(b) Either Normal or High Range monitor is required dependent upon activity in tank being released.

## BASES

The radioactive liquid effluent instrumentation is provided to monitor and control, as applicable, the releases of radioactive materials in liquid effluents during actual or potential releases. The alarm/trip setpoints for these instruments shall be calculated in accordance with NRC approved methods in the ODCM to assure that the alarm/trip will occur prior to exceeding 10 times the limits of 10 CFR Part 20. The operability and use of this instrumentation is consistent with the requirements of General Design Criteria 60, 63, and 64 of Appendix A to 10 CFR Part 50.

The radioactive gaseous effluent instrumentation is provided to monitor and control, as applicable, the releases of radioactive materials in gaseous effluents during actual or potential releases. The alarm/trip setpoints for these instruments shall be calculated in accordance with NRC approved methods in the ODCM to assure that the alarm/trip will occur prior to exceeding applicable dose limits in SLC 16.11.2. The operability end use of this instrumentation is consistent with the requirements of General Design Criteria 60, 63, and 64 of Appendix A to 10 CFR Part 50.

For certain applicable cases, grab samples or flow estimates are required at frequencies between every 4 hours and every 12 hours upon RIA removal from service. SLC 16.11.3 does not explicitly require Action (grab samples or flow estimates) to be initiated immediately upon RIA removal from service, when removal is for the purposes of sample filter changeouts, setpoint adjustments, service checks, or routine maintenance. Therefore, during the defined short, controlled outages, Action is not required.

For the cases in which Action is defined as continuous sampling by auxiliary equipment (Action L) initiation of continuous sampling by auxiliary sampling equipment requires approximately 1 hour. One hour is the accepted reasonable time to initiate collect and change samples. Therefore, for the defined short, controlled outages (not to exceed 1 hour), Action is not required.

Failures such as blown instrument fuses, defective indicators, and faulted amplifiers are, in many cases, revealed by alarm or annunciator action. Comparison of output and/or state of independent channels measuring the same variable supplements this type of built-in surveillance. Based on experience in operation of both conventional and nuclear systems, when the unit is in operation, the minimum checking frequency stated is deemed adequate.

## REFERENCES:

1. 10 CFR Part 20.
2. 10 CFR Part 50, Appendix A.
3. Offsite Dose Calculation Manual.
4. UFSAR, Section 7.2.3.4.

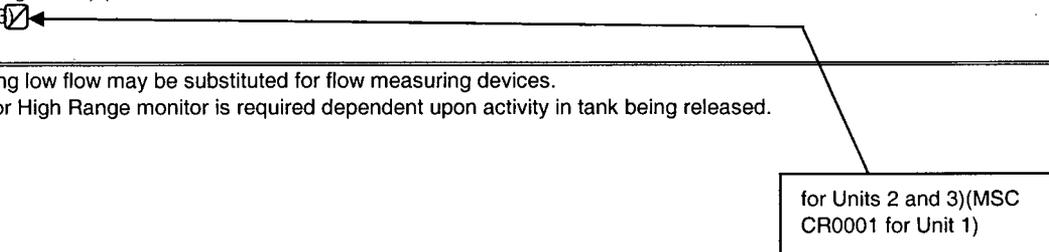
Attachment #2

Markup of current SLC

Table 16.11.3-2  
GASEOUS EFFLUENT MONITORING INSTRUMENTATION  
OPERATING CONDITIONS AND SURVEILLANCE REQUIREMENTS

INSTRUMENT	MINIMUM OPERABLE CHANNELS (PER RELEASE PATH)	APPLICABILITY	SURVEILLANCE REQUIREMENTS	CONDITION REFERENCED FROM REQUIRED ACTION C.1
<b>1. Unit Vent Monitoring System</b>				
a. Noble Gas Activity Monitor Providing Alarm and Automatic Termination of Containment Purge Release (RIA-45 - Purge Isolation Function)	1	At All Times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	I
<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     for Units 2&amp;3)(MSC CR0001 for Unit 1)                 </div>				
b. Noble Gas Activity Monitor Providing Alarm. (RIA-45 - Vent Stack Monitor Function)	1	At all times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	K
c. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
d. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
e. Effluent Flow Rate Monitor (Unit Vent Flow) (GWD CR0037)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
f. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA
g. Effluent Flow Rate Monitor (Containment Purge) (PR CR0082)	1	During Containment Purge Operation	SR 16.11.3.2 SR 16.11.3.10	J
h. CSAE Off Gas Monitor (RIA-40)	1	During Operation of CSAE	SR 16.11.3.2 SR 16.11.3.5 SR 16.11.3.8 SR 16.11.3.9	M
<b>2. Interim Radwaste Building Ventilation Monitoring System</b>				
a. Noble Gas Activity Monitor (RIA - 53)	1	At All Times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	K
b. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
c. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
d. Effluent Flow Rate Monitor (Interim Radwaste Exhaust) (GWD FT0082)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
e. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA

Table 16.11.3-2  
GASEOUS EFFLUENT MONITORING INSTRUMENTATION  
OPERATING CONDITIONS AND SURVEILLANCE REQUIREMENTS

INSTRUMENT	MINIMUM OPERABLE CHANNELS (PER RELEASE PATH)	APPLICABILITY	SURVEILLANCE REQUIREMENTS	CONDITION REFERENCED FROM REQUIRED ACTION C.1
<b>3. Hot Machine Shop Ventilation Sampling System</b>				
a. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
b. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
c. Effluent Flow Rate Monitor (Hot Machine Shop Exhaust) (Totalizer)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
d. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA
<b>4. Radwaste Facility Ventilation Monitoring System</b>				
a. Noble Gas Activity Monitor (4-RIA-45)	1	At All Times	SR 16.11.3.2 SR 16.11.3.4 SR 16.11.3.7 SR 16.11.3.9	K
b. Iodine Sampler	1	At All Times	SR 16.11.3.2	L
c. Particulate Sampler	1	At All Times	SR 16.11.3.2	L
d. Effluent Flow Rate Monitor (Radwaste Facility Exhaust) (OVS CR2060)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	J
e. Sampler Flow Rate Monitor <sup>(a)</sup> (Annunciator)	1	At All Times	SR 16.11.3.2 SR 16.11.3.10	NA
<b>5. Waste Gas Holdup Tanks</b>				
a. Noble Gas Activity Monitor - Providing Alarm and Automatic Termination of Release (RIA-37,-38) <sup>b</sup>	1	During Waste Gas Holdup Tank Releases	SR 16.11.3.1 SR 16.11.3.6 SR 16.11.3.9 SR 16.11.3.12	I
b. Effluent Flow Rate Monitor (Waste Gas Discharge Flow) (GWD CR033) 	1	During Waste Gas Holdup Tank Releases	SR 16.11.3.1 SR 16.11.3.10	J

(a) Alarms indicating low flow may be substituted for flow measuring devices.

(b) Either Normal or High Range monitor is required dependent upon activity in tank being released.

for Units 2 and 3)(MSC  
CR0001 for Unit 1)