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MCGUIRE NUCLEAR STATION
SELECTED LICENSEE
COMMITMENTS MANUAL

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REMARKS

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BY

KAY L CRANE MG01RC KLC/CJR

October 21, 1996

To: All Holders of the Selected Licensee Commitments Manual

Please find attached a revision to the subject manual. Your copy of the SLC manual should be revised as follows:

Remove these pages:

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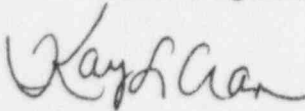
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Insert these pages:

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Questions or problems should be directed to Kay Crane,
McGuire Regulatory Compliance at extension 4306.



Kay L. Crane,
McGuire Regulatory Compliance

McGuire Nuclear Station
Selected Licensee Commitments
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16.11 RADIOLOGICAL EFFLUENT CONTROLS

INSTRUMENTATION

16.11-7 RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

COMMITMENT

The radioactive gaseous effluent monitoring instrumentation channels shown in Table 16.11-5 shall be OPERABLE[#] with their Alarm/Trip Setpoints set to ensure that the limits of Selected Licensee Commitment Manual (SLC) 16.11-6 are not exceeded. The Alarm/Trip Setpoints of these channels shall be determined and adjusted in accordance with the methodology and parameters in the ODCM.

[#] Brief periods of routine sampling (not to exceed 15 minutes) do not make the instrumentation inoperable.

APPLICABILITY: As shown in Table 16.11-5.

REMEDIAL ACTION:

- a. With a radioactive gaseous effluent monitoring instrumentation channel Alarm/Trip Setpoint less conservative than required by the above specification, immediately suspend the release of radioactive gaseous effluents monitored by the affected channel, or declare the channel inoperable.
- b. With less than the minimum number of radioactive gaseous effluent monitoring instrumentation channels OPERABLE, take the ACTION shown in Table 16.11-5. Restore the inoperable instrumentation to OPERABLE status within the time specified in the ACTION or, in lieu of a Licensee Event Report, explain in the next Annual Radioactive Effluent Release Report why this inoperability was not corrected within the time specified.

TESTING REQUIREMENTS:

Each radioactive gaseous effluent monitoring instrumentation channel shall be demonstrated OPERABLE by performance of the CHANNEL CHECK, SOURCE CHECK, CHANNEL CALIBRATION and ANALOG CHANNEL OPERATIONAL TEST operations at the frequencies shown in Table 16.11-6.

REFERENCES:

1. McGuire Offsite Dose Calculation Manual
2. 10 CFR Part 50, Appendix A

BASES:

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 of gaseous effluents. During routine sampling, instrumentation may be turned off for short periods of time (not to exceed 15 minutes) in order to meet analysis requirements of SLC Manual 16.11-6. This is considered to be a normal operable function of the

equipment. The Alarm/Trip Setpoints for these instruments shall be calculated and adjusted in accordance with the methodology and parameters in the ODCM to ensure that the Alarm/Trip will occur prior to exceeding the limits stated in 16.11-6 of the Selected Licensee Commitment Manual. This instrumentation also includes provisions for monitoring (and controlling) the concentrations of potentially explosive gas mixtures in the WASTE GAS HOLDUP SYSTEM. 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.

TABLE 16.11-5 (Page 1 of 3)

RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>		<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABILITY</u>	<u>ACTION</u>
1.	WASTE GAS HOLDUP SYSTEM			
a.	Noble Gas Activity Monitor - Providing Alarm and Automatic Termination of Release (Low Range- EMF-50 or 1EMF-35, low-range)	1 per station	***	1
b.	Effluent System Flow Rate Measuring Device	1 per station	*	2
2.	Condenser Evacuation System			
	Noble Gas Activity Monitor (EMF-33)	1	#	3
3.	Vent System			
a.	Noble Gas Activity Monitor (Low Range - EMF-36)	1	*	3
b.	Iodine Sampler	1	*,##	5
c.	Particulate Sampler	1	*,##	5
d.	Flow Rate Monitor	1	*	2
e.	Sampler Minimum Flow Device	1	*	2
4.	Containment Purge System			
	Noble Gas Activity Monitor - Providing Alarm and Automatic Termination of Release (Low Range - EMF-39)	1	*	4

TABLE 16.11-5 (Page 2 of 3)

RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>		<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABILITY</u>	<u>ACTION</u>
5.	Auxiliary Building Ventilation System			
	Noble Gas Activity Monitor (EMF-41 or EMF-36)	1	*	3
6.	Fuel Storage Area Ventilation System			
	Noble Gas Activity Monitor (EMF-42 or EMF-36)	1	*	3
7.	Waste Storage Building Ventilation System			
a.	Noble Gas Activity Monitor (EMF-53)	1 per station	***, ##	3
b.	Flow Rate Monitor	1 per station	***	2
c.	Sampler Minimum Flow Device	1 per station	***, ##	2
8.	Radwaste Facility Ventilation System			
a.	Noble Gas Activity Monitor (EMF-52)	1 per station	***, ##	3
b.	Flow Rate Monitor	1 per station	***	2
c.	Sampler Minimum Flow Rate	1 per station	***, ##	2
9.	Equipment Staging Building Ventilation System			
a.	Noble Gas Activity Monitor (EMF-59)	1	***, ##	3
b.	Flow Rate Monitor	1	***	2
c.	Sampler Minimum Flow Device	1	***, ##	2

TABLE NOTATION

- *At all times.
- **During WASTE GAS HOLDUP SYSTEM operation.
- ***During gaseous effluent releases.
- #When air ejectors are operable.
- ##Except during routine sampling.

ACTION STATEMENTS

- ACTION 1 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, the contents of the tank(s) may be released to the environment for up to 14 days provided that prior to initiating the release:
- a. At least two independent samples of the tank's contents are analyzed; and,
 - b. At least two technically qualified members of the facility staff independently verify the discharge valve lineup:
 - 1) The manual portion of the computer input for the release rate calculations performed on the computer; or,
 - 2) The entire release rate calculations if such calculations are performed manually.
- Otherwise, suspend release of radioactive effluents via this pathway.
- ACTION 2 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue for up to 30 days provided the flow rate is estimated at least once per 4 hours.
- ACTION 3 - With the number of channels OPERABLE less than required by the Minimum Channel OPERABLE requirement, effluent release via this pathway may continue for up to 30 days provided grab samples are taken at least once per 12 hours and these samples are analyzed for gross radioactivity within 24 hours.
- ACTION 4 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, immediately suspend PURGING or VENTING of radioactive effluents via this pathway.
- ACTION 5 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via the effected pathway may continue for up to 30 days provided samples are continuously collected with auxiliary sampling equipment as required in Table 16.11-4.