ATTACHMENT 2

то

Letter from C. R. Steinhardt (WPSC)

to

Document Control Desk (NRC)

Dated

November 20, 1991

PROPOSED TS AMENDMENT NO. 104

Affected TS Sections

Table of Contents (TS i through TS v) TS Section 6.0

9112270072

ADOCK

PDR

911

050

305

TABLE OF CONTENTS TECHNICAL SPECIFICATIONS APPENDIX A

<u>Sectio</u>	n	<u>Title</u>		<u>Page</u>
1.0	Definit	tions		1.1-1
	1.0.a	a lumb to Avenage Dower lilt Katio		1.1-1
	1.0.b	Safety limits Limiting Safety System Settings	••	$1 \cdot 1^{-1}$
	1.0.c	Limiting Safety System Settings		1.1-1
	1.0.d	Limiting Conditions for Operation		
	1.0.e	Operating		1.1-2
	1.0.f	Operating Containment System Integrity	• •	1.1-2a
	1.0.g 1.0.h	Districtive Instrumentation 1001C	• •	1.1-2a
	1.0.n 1.0.i	Instrumentation Surveillance		1.1-5
	1.0.j			1.1-4
	1.0.J	Reactor Critical	•.•	1.1-4
	1.0.1	Refueling Operation	• •	1.1-5
	1.0.m			~ • • •
	1.0.n	Reportable Event	•••	1.1-5
	1.0.0	Radiological Effluents	• •	1,1-3
	1.0.p	Standard Shutdown Sequence	••	1.1 <i>i</i>
	Safatu	Limits and Limiting Safety System Settings		2.1-1
2.0		Cafaty Limita Voactor Lorg		<u> </u>
	2.1	Safety Limit, Reactor Coolant System Pressure		2.2-1
	2.3	Limiting Safaty Systems Settings, Protective		
	2.0	Instrumentation	• •	2.3-1
		2 2 2 Postor Trin Settings		. 5.2-1
				2.3-1
		2.3.a.2 Pressurizer	• •	2.3-1
		2.3.a.3 Reactor Coolant Temperature 2.3.a.4 Reactor Coolant Flow	• •	2.3-3
			•••	2.3-3
				2.3-3
		2.3.a.6 Reactor Trip Interlocks 2.3.a.7 Other Trips		2.3-3
3.0		ing Conditions for Operation	••	3.1-1
	3.1	Reactor Coolant System	•••	3.1-1
		3.1.a.1 Reactor Coolant Pumps		
		2 1 2 Decay Heat Removal CaDaDility .		3.1-1d
		2 1 2 2 Pressurizer Safety Valves		3.1-2
•		2 1 2 A Pressure Isolation Valves · · ·		3.1-2
		2 1 2 5 Pressurizer PORV and BLOCK Valves	ς.	3.1-2d
		a 1 a 6 Pressurizer Heaters		3.1-2a
		3 1 a 7 Reactor Coolant Vent System	•••	3.1-2a
		2 1 h Heat up & Cool-down Limit Curves for Normal		
		Operation	• •	5.1-3
		a la Maximum Coolant Activity		, 3.1-0
		3.1.d Leakage of Reactor Coolant	• •	, 5.1-10
		A A A A A A A A A A A A A A A A A A A	1	
		3.1.f Minimum Conditions for Criticality	•	3.1 - 16
	• ÷	3.1.f Minimum Conditions for Criticality		. 3.2-1
	3.2			
		Proposed Amendr	nent	No. 104

ò

TS i

11/20/91

Section	n	<u>Title</u>					Page
	• •	<u>Fuedano</u>	d Safaty Foa	turos and Auxil	iary Systems .		3.3-1
	3.3	Engineere	a salety lea	Cures and Auxir			3.3-1
		3.3.a 3.3.b	Safaty Injer	tion and Residu	al Heat Removal		
÷		3.3.0	Suctoms				3.3-2
		3.3.c	Containment	Cooling Systems			3.3-4
		3.3.d	Component []	NOTING NVSTEM .			J.J-U
		330	Service Wate	er System		• • •	3.3-0
	3.4	Ctaam and	Dowon Conve	ncion System			3.4-1
	3.5	Trating	+ation Syste	m			3.3-1
	3.6	Containmo	NT SVCTAM				0.0 1
	3.7	Auxiliary	r L l a c T r 1 c 2 l	NVSTEMS			U ., I
	3.8	Refueling	J [.]			• • •	3.8-1
	3.9	Deleted					
•	3.10	Control R	lod and Power	r Distribution L	imits	• • •	3.10-1
		3.10.a	Shutdown Re	activity			J.10-1
		3.10.b	Dowon Distr	ibution limits			J.10-1
		3.10.c	Quadrant Po	wer lift Limits	• • • • • • • •	• • •	3.10-5
		3.10.d	Rod Inserti	on Limits	ns	• • •	3.10-5
	•	3.10.e	Rod Misalig	nment Limitation	dicator Channels		10-6a
		3.10.f	Inoperable	Rod Position in	dicator Channels	3	.10-6a
		3.10.g	Inoperable	ROO LIMILALIUNS	· · · · · · · · ·		3.10-7
		3.10.h	Rod Drop II	n Doviation Mon	itor		3.10-7
		3.10.i	Rug Pustill	wor Tilt Monito	r		3.10-7
		3.10.j 3.10.k	Inlat Tomne	nature		ຸ ວ	.10-/a
· .		3.10.K 3.10.1	Onorsting L	macclina		J	.10-/a
Ì		2 10 m	Coolant Flo	w Rate		J	.10-/a
	3.11	Como Sum	voillance In	strumentation .			2.11-1
	3.12	Contwol	Doom Dostacc	ident Recircula	tion System .		3.12-1
	3.14	Shock Su	ppressors (S	nubbers)	•••••		3.14-1
1	A 15	D-1-4-4					
4.0	Surve		quirements			• • • •	4.1-1
	4.1						
•	4.2	ASME Cod	o flass In-s	ervice Inspecti	on and resump		4.2-1
· .		4.2.a	ASME Code	Clace 1 2 and	K LOMDONEHLS and		
			Supports	••••••	• • • • • • • •	• • • •	4.2-2
		4.2.b				• • •	T.L.L
			4.2.b.1	Steam Generato	• • • • • • • •		4.2-3
· .			4 3 6 3	Storm Conorato	r Tube Sample Se	lection	
	· ·		4.2.b.2	and Inspection			4.2-3
			4.2.b.3	Inspection Fre	quencies		4.2-4
•			4.2.b.4	Plugging Limit	Criteria .		4.2-5
			4.2.b.5	Hot Lea Tubesh	eet Crevice Plug	gging	
			4.2.0.0	limit Criteria			4.2-6
			4.2.b.6	Reports			4.2-6
1	4.3	Deleted					
1	4.3		mont Tosts				4.4-1
	T • T	4.4.a	Integrated	i Leak Rate Test	s (Type A)		4.4-1
•		4.4.b	local leal	c Rate Tests (Ty	pe B and C)		4.4-3
		4.4.c	Shield Bu	ilding Ventilati	on System		4.4-0
		4.4.d	Auxiliary	Building Specia	1 Ventilation Sy	stem.	4.4-7
		4.4.e	Containme	nt Vacuum Breake	er System		4.4-/

Section

'n

ł

1

1

		Emergency Core Cooling System and Containment Air Cooling System Tests
		4.5.a.l Safety Injection System 4.5-1
		4.5.a.2 Containment Containment Fan Coil Units 4.5-2 4.5.a.3 Containment Fan Coil Units 4.5-2 4.5.b Component Tests 4.5-2
		4.5.b.1 Pumps 4.5-2 4.5.b.2 Valves 4.5-3 Periodic Testing of Emergency Power System 4.6-1
	4.6	4.6 Diesel Generators $\dots \dots \dots$
	4.7	4.6.bStation Batteries
	4.7	Any iting to duator $SVSTOM$
·	4.9 4.10	Reactivity Anomalies
	4.11	Deleted 4 12-1
	4.12	Spent Fuel Pool Sweep System
	4.13	Testing and Surveillance of Shock Suppressors (Snubbers) 4.14-1
	4.14 4.15	Deleted
	4.16	Departon Coolant Vant System Tests
	4.17	Control Room Postaccident Recirculation System 4.17-1
5.0		Features 5.1-1 Site 5.1-1
	5.1 5.2	Site
	5.2	5.2 - Containment System
		E 2 h Doncton Containment Vessel
		5.2.c Shield Building
		5.2.d Shield Building Venetration System Tono and
		Special Ventilation System
	5.3	
		ReactorReactor Core5.3.15.3.aReactor Coolant System5.3.2
	E A	5.3.b Reactor Coolant System
	5.4	
6.0	Admini	strative Controls
·	6.1	Responsibility
	6.2	Organization 0.2-1 6.2.a Off-Site Staff 6.2-1
		6.2.b Facility Staff $\ldots \ldots $
		6.2.c Organizational Changes
	6.3	Plant Staff Qualifications 6.3-1
	6.4	iraining
	6.5	Review and Addit
		65al Function 0.3-1
		6.5.a.2 Composition 6.5-1
		0.5.a.4 Meeting frequency i i i i i i i i i i i i i i i i i i i
		6.5.a.5 Quorum 6.5.1 6.5.a.6 Responsibilities 6.5.1
		Proposed Amendment No. 104 TS jij 11/20/91
		TS iii 11/20/91

TS iii

.

P	a	g	e	•

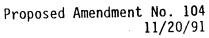
• •	Section	11010		•
		6.5.b	6.5.a.7Authority	. 6.5-3 . 6.5-3 . 6.5-3
	6.6	6.5.c Reportat	Nuclear Safety Review and Audit Committee6.5.c.1Function6.5.c.2Composition6.5.c.3Alternates6.5.c.4Consultants6.5.c.5Meeting Frequency6.5.c.6Quorum6.5.c.7Review6.5.c.8Audits6.5.c.9Authority6.5.c.10Records6.5.c.10Records	. 6.5-4 . 6.5-4 . 6.5-5 . 6.5-5 . 6.5-5 . 6.5-5 . 6.5-6 . 6.5-6 . 6.5-6
	6.7 6.8 6.9	_ ` •	ng Requirements	. 6.9-1 . 6.9-1 . 6.9-1 . 6.9-1 . 6.9-2
		6.9.b	Unique Reporting Requirements	. 6.9-2 . 6.9-3
	6.10 6.11 6.12 6.13 6.14 6.15 6.16 6.16 6.17 6.18 6.19	Radiati System High Ra Post-Ad Seconda Radiolo Proces Offsit	Retention ion Protection Program Integrity adiation Area ccident Sampling and Monitoring ary Water Chemistry ogical Effluents s Control Program (PCP) e Dose Calculation Manual (ODCM) Changes to Radioactive Liquid, Gaseous lid Waste Treatment Systems	$\begin{array}{c} 6.10-1\\ 6.11-1\\ 6.12-1\\ 6.13-1\\ 6.14-1\\ 6.15-1\\ 6.16-1\\ 6.16-1\\ 6.17-1\\ 6.18-1\\ \end{array}$
	7/8.0 Radi 7/8. 7/8.	and Su 1 Radioa Instru 2 Radioa	Effluent Technical Specifications rveillance Requirements	7/8-2

Proposed Amendment No. 104 11/20/91

TS iv

Section	<u>Title</u>	<u>Page</u>
7/8.3	Liquid Effluents	7/8-4
1/0.0	7/8.3.1 Concentration	7/8-4
	7/8 3.2 Dose	7/8-5
	7/8.3.3 Liquid Radwaste Treatment System	7/8-6
7/8.4	Gaseous Effluents	7/8-7
1/011	7/8 4 1 Dose Rate	7/8-7
	7/8.4.2 Dose - Noble Gases	7/8-8
	7/8 4 3 Dose - Iodine-131, lodine-133 and	
	Radionuclides In Particulate Form	//8-9
	7/8.4.4 Gaseous Radwaste Treatment System	//8-10
7/8.5	Solid Radioactive Waste	//8-11
7/8.6	Total Dose	1/8-12
7/8.7	Radiological Environmental Monitoring	1/8-14
	7/8 7 1 Monitoring Program	//8-14
	7/8 7 2 Land Use Census	7/8-10
	7/8 7 3 Interlaboratory Comparison Program	1/8-18
7/8.8	Basis	//8-19

1

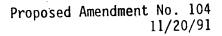


6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

The Manager - Kewaunee Plant has overall on-site responsibility for plant operation. In the absence of the Manager - Kewaunee Plant, the succession to this responsibility shall be in the following order:

- a. Assistant Manager-Plant Operations
- b. Assistant Manager-Plant Maintenance
- c. Superintendent-Plant Operations
- d. Superintendent Plant Instrument and Control
- e. Shift Supervisor



TS 6.1-1

6.2 ORGANIZATION

a. Off-Site Staff

The off-site organization for plant management and technical support shall be as described in the Operational Quality Assurance Program Description.

b. Facility Staff

The plant organization shall be as described in the Operational Quality Assurance Program Description.

- 1. Each on-duty shift complement shall consist of at least:
 - A. One Shift Supervisor (SRO)
 - B. Two licensed Reactor Operators
 - C. One Auxiliary Operator
 - D. One Equipment Operator
 - E. One Radiation Technologist
- While above COLD SHUTDOWN, the on-duty shift complement shall consist of the personnel required by TS 6.2.b.1 and an additional SRO.
- 3. In the event that one of the shift members becomes incapacitated due to illness or injury or the Radiation Technologist has to accompany an injured person to the hospital, reactor operations may continue with the reduced complement until a replacement arrives. In all but severe weather conditions, a replacement is required within two hours.
- 4. At least one licensed operator shall be in the control room when fuel is in the reactor.
- 5. Two licensed operators, one of which shall be an SRO, shall be present in the control room when the unit is in an operational MODE other than COLD SHUTDOWN or REFUELING.
- REFUELING OPERATIONS shall be directed by a licensed SRO assigned to the REFUELING OPERATION who has no other concurrent responsibilities during the REFUELING OPERATION.
- When the reactor is above the COLD SHUTDOWN condition, a qualified Shift Technical Advisor shall be within 10 minutes of the control room.

Proposed Amendment No. 104 11/20/91

TS 6.2-1

c. Organizational Changes

ł

Changes not affecting safety may be made to the off-site and facility staff organizations. Such changes that are described in the Technical Specifications shall be reported to the Commission in the form of an application for license amendment within 60 days of the implementation of the change.

TS 6.2-2

6.3 PLANT STAFF QUALIFICATIONS

- a. Qualification of each member of the Plant Staff shall meet or exceed the minimum acceptable levels of ANSI N18.1-1971 for comparable positions, except for the Superintendent-Plant Radiation Protection who shall meet or exceed the recommendation of Regulatory Guide 1.8, Revision 1-R, September 1975, or their equivalent as further clarified in Attachment 1 to the Safety Evaluation Report enclosed with Amendment No. 46 to Facility Operating License DPR-43.
- b. The Shift Technical Advisor shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in the design of the Kewaunee Plant and plant transient and accident analysis.

Proposed Amendment No. 104 11/20/91

_ TS 6.3-1

6.4 TRAINING

A retraining and replacement training program for the Plant Staff shall be maintained under the direction of the Manager - Nuclear Plant Support Services and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI-N18.1-1971 and 10 CFR Part 55.

TS 6.4-1

6.5 REVIEW AND AUDIT



1. Function

The PORC shall function to advise the Manager - Kewaunee Plant on matters related to nuclear safety.

2. Composition

The PORC shall be composed of, but not necessarily limited to:

Chairman: Manager - Kewaunee Plant

Required Members: Assistant Manager-Plant Operations Assistant Manager-Plant Maintenance Superintendent-Plant Operations Superintendent-Plant Instrument and Control Plant Reactor Supervisor Superintendent-Plant Quality Programs Superintendent - Plant Radiation Protection

3. Alternates

Alternate members shall be appointed in writing by the PORC Chairman to serve on a temporary basis; however, no more than two alternates for required members shall participate in PORC meetings at any one time.

4. Meeting Frequency

The PORC shall meet at least once per calendar month and as convened by the Chairman.

5. Quorum

A quorum of the PORC shall consist of the chairman (or his designated alternate as stated in TS 6.1) and a majority of the required members including temporary alternates.

6. Responsibilities

The PORC shall be responsible for:

A. Review of operating, maintenance and other procedures including emergency operating procedures which affect nuclear safety as determined by the Manager - Kewaunee Plant. Changes to those procedures are made in accordance with the provisions of TS 6.8.a.

> Proposed Amendment No. 104 I1/20/91

- B. Review of all proposed tests and experiments that affect nuclear safety.
- C. Review of all proposed changes to the Technical Specifications.
- D. Review of all proposed changes or modifications to plant systems or equipment that affect nuclear safety.
- E. Review of all proposed changes to the Security Plan, Emergency Plan, Fire Plan, and their respective implementing procedures.
- F. Review all reports covering the investigation of all violations of the Technical Specifications and the recommendations to prevent recurrence.
- G. Review plant operations to detect potential safety hazards.
- H. Performance of special reviews and investigations and prepare reports thereon as requested by the Chairman of the Nuclear Safety Review and Audit Committee.
- I. Review of all REPORTABLE EVENTS
- J. Review of changes to the PROCESS CONTROL PROGRAM, the OFF-SITE DOSE CALCULATION MANUAL, and the RADIOLOGICAL ENVIRONMENTAL MONITORING MANUAL.
- 7. Authority

The PORC shall:

- A. Recommend to the Manager Kewaunee Plant approval or disapproval of items considered under TS 6.5.a.6.A through TS 6.5.a.6.E.
- B. Make determinations with regard to whether or not each item considered under TS 6.5.a.6 constitutes an unreviewed safety question.
- C. Provide immediate notification in the form of draft meeting minutes to the Senior Vice President - Nuclear Power and the Chairman-Nuclear Safety Review and Audit Committee of disagreement between the PORC and the Manager - Kewaunee Plant. The Manager - Kewaunee Plant shall have responsibility for resolution of such disagreements.
- 8. Records

Minutes shall be kept of all meetings of the PORC and copies shall be sent to the Senior Vice President - Nuclear Power and the Chairman - Nuclear Safety Review and Audit Committee.

> Proposed Amendment No. 104 11/20/91

b. Corporate Support Staff (CSS)

1. Function

The CSS shall function to provide engineering, technical and quality assurance activities in support of the Kewaunee Plant Staff.

2. Organization

The CSS consists of the following groups:

- A. Nuclear Licensing and Systems
- B. Nuclear Projects
- C. Corporate Health Physics
- D. Nuclear Project Management (Design Change)
- E. Engineering Support
- F. Power Plant Design and Construction
- G. Fuel Services
- H. Administrative Staff
- I. Quality Assurance
- J. System Operating
- K. Substation and Transmission
- L. Safety System Engineering

3. Activities

- A. Review and report all violations of the Technical Specifications, codes, regulations, and statutes.
- B. Review all activities associated with nuclear safety for technical adequacy and compliance with internal procedures or instructions.
- C. Review and report significant operating abnormalities or deviations from normal and expected performance of plant equipment that affect nuclear safety.
- D. Review and report all events which are required by regulations or Technical Specifications to be reported to the NRC (Plant personnel will provide the initial reporting to the NRC of those events requiring 24 hour notification).
- E. Investigate any indication of an unanticipated deficiency in some aspect of design or operation of safety-related structures, systems or components.
- F. Review and/or prepare safety evaluations of all plant design changes.
- G. Audits as required by the Quality Assurance Program and as outlined in TS 6.5.c.8.

Proposed Amendment No. 104 11/20/91

c. Nuclear Safety Review and Audit Committee (NSRAC) Function

Function 1.

> The NSRAC shall function to provide independent review and audit of designated activities in the areas of:

- A. Nuclear Power Plant Operations
- B. Nuclear Engineering
- C. Chemistry and Radio-Chemistry
- D. Metallurgy
- E. Instrumentation
- F. Radiological Safety
- G. Mechanical and Electrical Engineering
- H. Quality Assurance Practices
- I. Other appropriate fields as determined by the Committee, to be associated with the unique characteristics of the nuclear power plant.
- Composition 2.

The NSRAC shall be composed of, but not necessarily limited to:

- A. At least three technically qualified persons who are not members of the plant staff.
- B. One member from the supervisory staff of the plant.
- least two qualified non-company affiliated technical C. At consultants.
- D. In-house staff management advisors as required.

The Committee membership and its Chairman and Vice Chairman shall be appointed by the Senior Company Officer to whom the NSRAC reports. Each member of the NSRAC shall have an academic degree in an engineering or physical science field; and in addition, shall have a minimum of five years technical experience, of which a minimum shall be in one or more areas given in TS 6.5.c.1.

Alternates 3.

> Alternate members shall be appointed by the NSRAC Chairman, upon approval by the Senior Vice President - Nuclear Power, to serve on a temporary basis; however, no more than two alternates shall participate in NSRAC activities at any one time.

Consultants 4.

> Consultants may be utilized as determined by the Chairman - NSRAC to provide expert advice to the NSRAC.

> > Proposed Amendment No. 104 11/20/91

5. Meeting Frequency

The NSRAC shall meet at least once every six months.

6. Quorum

A quorum of the NSRAC shall consist of the Chairman or Vice Chairman and four members including alternates. No more than a minority of the quorum shall have line responsibility for operation of the plant. I

7. Review

The NSRAC shall review:

- A. Safety evaluations for 1) changes to procedures, equipment or systems and 2) tests or experiments completed under the provision of 10 CFR 50.59, to verify that such actions did not constitute an unreviewed safety question.
- B. Proposed changes to procedures, equipment or systems which involve an unreviewed safety question as defined in 10 CFR 50.59.
- C. Proposed tests or experiments which involve an unreviewed safety question as defined in 10 CFR 50.59.
- D. Proposed changes in Technical Specifications or licenses.
- E. Reports covering violations of applicable statutes, codes, regulations, orders, Technical Specifications, license requirements, or of internal procedures or instructions having nuclear safety significance.
- F. Reports covering significant operating abnormalities or deviations from normal and expected performance of plant equipment that affect nuclear safety.
- G. Reports covering all REPORTABLE EVENTS.
- H. Reports covering any indication of an unanticipated deficiency in some aspect of design or operation of safety-related structures, systems, or components.
- I. Reports and meeting minutes of the PORC.

TS 6.5-5

Proposed Amendment No. 104

11/20/91

8. Audits

Audits of plant activities shall be performed under the cognizance of the NSRAC. These audits shall include:

- A. Conformance of plant operation to the provisions contained within the Technical Specifications and applicable license conditions at least annually.
- B. Performance, training, and qualifications of the entire plant staff at least annually.
- C. Results of all actions taken to correct deficiencies occurring in plant equipment, structures, systems, or method of operation that affect nuclear safety at least semiannually.
- D. Performance of all activities required by the Quality Assurance Program to meet the criteria of Appendix "B", 10 CFR Part 50, at least once every two years.
- E. The Plant Fire Protection Program, implementing procedures and the independent fire protection and loss prevention program at least once every 24 months.
- F. Any other area of plant operation considered appropriate by the NSRAC or the Senior Company Officer to whom the NSRAC reports.
- G. The Radiological Environmental Monitoring Program and the results thereof at least annually.
- H. The OFF-SITE DOSE CALCULATION MANUAL and implementing procedures at least once every two years.
- I. The PROCESS CONTROL PROGRAM and implementing procedures for processing and packaging of radioactive wastes at least once every two years.
- 9. Authority

The NSRAC shall report to a Senior Company Officer and shall advise the Officer on those areas of responsibility specified in TS 6.5.c.7 and TS 6.5.c.8.

10. Records

Records of NSRAC activities shall be prepared, approved and distributed as follows:

A. Minutes of each NSRAC meeting forwarded to the Senior Company Officer to whom the NSRAC reports within 14 days following each meeting.

> Proposed Amendment No. 104 11/20/91

- B. Reports of reviews required by TS 6.5.c.7.E through TS 6.5.c.7.H, forwarded to the Senior Company Officer to whom the NSRAC reports within 14 days following completion of the review.
- C. Reports of audits performed by NSRAC shall be forwarded to the Senior Company Officer to whom the NSRAC reports and to the management positions responsible for the areas audited within 30 days after completion of the audit.

TS 6.5-7

Proposed Amendment No. 104 11/20/91

6.6 REPORTABLE EVENTS

2

The following actions shall be taken for REPORTABLE EVENTS:

- a. The Commission shall be notified and a report submitted pursuant to the requirements of 10 CFR 50.73, and
- b. Each Reportable Event shall be reviewed by PORC, and the results of this review shall be submitted to NSRAC and the Senior Vice President Nuclear Power.

6.7 SAFETY LIMIT VIOLATION

The following actions shall be taken in the event a safety limit is violated:

a. The reactor shall be shut down and operation shall not be resumed until | authorized by the Commission.

b. The Report shall be prepared in accordance with TS 6.6.

Proposed Amendment No. 104 11/20/91

TS 6.7-1

6.8 PROCEDURES

- a. Written procedures and administrative policies shall be established, implemented and maintained that meet the requirements and recommendations of Section 5.2.2, 5.2.5, 5.2.15 and 5.3 of ANSI N18.7-1976.
- b. Changes to procedures are made in accordance with the provisions of ANSI NI8.7-I976 Section 5.2.2 except that temporary changes which clearly do not change the intent of the procedure shall, as a minimum, be approved by two individuals knowledgeable in the area affected one of which holds an active SRO license at Kewaunee.
- c. Procedures are reviewed in accordance with the provisions of ANSI NI8.7-1976, Section 5.2.15, except for procedures that are performed at a frequency interval of greater than every two years. Procedures performed at a frequency interval greater than every two years shall, instead, be reviewed prior to use or within the previous two years.

6.9 REPORTING REQUIREMENTS

In addition to the applicable reporting requirements of Title 10, Code of Federal Regulations, the following identified reports shall be submitted to the Director of the appropriate Regional Office of Inspection and Enforcement unless otherwise noted.

- a. Routine Reports
 - 1. Startup Report

A summary report of plant startup and power escalation testing shall be submitted following (I) receipt of an operating license, (2) amendment to the license involving a planned increase in power level, (3) installation of fuel that has a different design or has supplier. fuel and different manufactured a by been (4) modifications that may have significantly altered the nuclear, thermal, or hydraulic performance of the plant. The report shall address each of the tests identified in the USAR and shall in general include a description of the measured values of the operating conditions or characteristics obtained during the test program and a comparison of these values with design predictions and specifications. Any corrective actions that were required to obtain satisfactory operation shall also be described. Any additional specific details required in license conditions based on other commitments shall be included in this report.

Startup reports shall be submitted within (1) 90 days following completion of the startup test program, (2) 90 days following resumption or commencement of commercial power operation, or (3) 9 months following initial criticality, whichever is earliest. If the Startup Report does not cover all three events (i.e., initial criticality, completion of startup test program, and resumption or commencement of commercial power operation), supplementary reports shall be submitted at least every three months until all three events have been completed.

2. Annual Reporting Requirements

Routine operating reports covering the operation of the unit during the previous calendar year shall be submitted prior to March 1 of each year. Items reported in this category include:

A. Report of facility changes, tests or experiments required pursuant to 10 CFR 50.59(b).

- B. A tabulation on an annual basis of the number of station, utility, and other personnel (including contractors) receiving exposures > 100 mrem/yr and their associated man rem exposure according to work and job functions,⁽¹⁾ e.g., reactor operations and surveillance, in-service inspection, routine maintenance, special maintenance (describe maintenance), waste processing, and REFUELING. The dose assignment to various duty functions may be estimates based on pocket dosimeter, TLD, or film badge measurements. Small exposures totaling < 20% of the individual total dose need not be accounted for. In the aggregate, at least 80% of the total whole body dose received from external sources shall be assigned to specific major work functions.</p>
- C. Challenges to and failures of the pressurizer power operated relief valves and safety valves.⁽²⁾
- 3. Monthly Operating Report

Routine reports of operating statistics and shutdown experience shall be submitted on a monthly basis to the Document Control Desk, U.S. Nuclear Regulatory Commission, Washington, D.C., 20555, with a copy to the appropriate Regional Office, to be submitted by the fifteenth of each month following the calendar month covered by the report.

- b. Unique Reporting Requirements
 - 1. Annual Radiological Environmental Monitoring Report
 - A. Routine Radiological Environmental Monitoring Reports covering the operation of the unit during the previous calendar year shall be submitted prior to May 1 of each year.
 - (1) The Annual Radiological Environmental Monitoring Reports shall include summaries, interpretations, and an analysis of trends of the results of the radiological environmental surveillance activities for the report period, including a comparison with preoperational studies, with operational controls as appropriate, and with previous environmental surveillance reports, and an assessment of the observed impacts of the plant operation on the environment. The reports shall also include the results of land use censuses required by TS 7.7.2.

 $^{(1)}$ This tabulation supplements the requirements of Section 20.407 of 10 CFR Part 20.

⁽²⁾Letter from E. R. Mathews (WPSC) to D. G. Eisenhut (U.S. NRC) dated January 5, 1981.

Proposed Amendment No. 104 11/20/91

TS 6.9-2

- The Annual Radiological Environmental Monitoring Reports (2) shall include the results of analysis of radiological environmental samples and of environmental radiation measurements taken during the period pursuant to the locations specified in the Table and Figures in the RADIOLOGICAL ENVIRONMENTAL MONITORING MANUAL, as well as summarized and tabulated results of these analyses and measurements in the format of the table in the Radiological Assessment Branch Technical Position, Revision 1, November In the event that some individual results are not 1979. available for inclusion with the report, the report shall be submitted noting and explaining the reasons for the missing results. The missing data shall be submitted as soon as possible in a supplementary report when applicable.
- (3) The reports shall also include the following: a summary description of the Radiological Environmental Monitoring Program; legible maps covering all sampling locations keyed to a table giving distances and directions from the centerline of one reactor; the results of licensee participation in the Interlaboratory Comparison Program, required by TS 7.7.3; discussion of all deviations from the sampling schedule of Table 7.3; and discussion of all analyses in which the LLD required by Table 8.5 was not achievable.
- 2. Semiannual Radioactive Effluent Release Report
 - A. Routine Radioactive Effluent Release Reports covering the operation of the unit during the previous 6 months of operation shall be submitted within 60 days after January 1 and July 1 of each year.
 - (1) Radioactive Effluent

The Radioactive Effluent Release Reports shall include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the unit following the format of Regulatory Guide 1.2I, "Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water-Cooled Nuclear Power Plants," Revision I, June 1974.

> Proposed Amendment No. 104 11/20/91

TS 6.9-3

(

(2) Radiation Dose Assessment

The Radioactive Effluent Release Report to be submitted within 60 days after January 1 of each year shall include an annual summary of hourly meteorological data collected over the previous year. This annual summary may be either in the form of an hour-by-hour listing on magnetic tape of wind speed, wind direction, atmospheric stability, and precipitation (if measured), or in the form of joint frequency distributions of wind speed, wind direction, and atmospheric stability. $^{(3)}$ This same report shall include an assessment of the radiation doses due to the radioactive liquid and gaseous effluents released from the unit during the previous calendar year. The assumptions used in making these assessments, i.e., specific activity, exposure time and location, shall be included in these reports. The assessment of radiation doses shall be performed based on the calculational guidance, as presented in the OFF-SITE DOSE CALCULATION MANUAL (ODCM).

The Radioactive Effluent Release Report to be submitted 60 days after January I of each year shall also include an assessment of radiation doses to the likely most exposed MEMBER(S) OF THE PUBLIC from reactor releases and other nearby uranium fuel cycle sources, including doses from primary effluent pathways and direct radiation, the previous calendar year to show conformance with 40 CFR Part 190, Environmental Radiation Protection Standards for Nuclear Power Operation.

(3) Solid Waste Shipped

The Radioactive Effluent Release Reports shall include the following information for each class of solid waste (as defined by IO CFR Part 61) shipped off-site during the report period:

- a) Container volume,
- b) Total curie quantity (specify whether determined by measurement or estimate),
- Principal radionuclides (specify whether determined by measurement or estimate),

Proposed Amendment No. 104 11/20/91

TS 6.9-4

 $^{^{(3)}}$ In lieu of submission with the second half year Radioactive Effluent Release Report, the licensee has the option of retaining this summary of required meteorological data on site in a file that shall be provided to the NRC upon request.

- d) Source of waste and processing employed (e.g., dewatered spent resin, compacted dry waste, evaporator bottoms),
- e) Type of container (e.g., LSA, Type A, Type B, Large Quantity), and
- f) SOLIDIFICATION agent or absorbent (e.g., cement, urea formaldehyde).
- (4) Unplanned Release

The Radioactive Effluent Release Reports shall include a list and description of unplanned releases from the site to UNRESTRICTED AREAS of radioactive materials in gaseous and liquid effluents made during the reporting period.

(5) PCP and OOCM Changes

The Radioactive Effluent Release Reports shall include any changes made during the reporting period to the PROCESS CONTROL PROGRAM (PCP) and to the OFF-SITE DOSE CALCULATION MANUAL (ODCM).

- 3. Special Reports
 - A. Special reports may be required covering inspections, test and maintenance activities. These special reports are determined on an individual basis for each unit and their preparation and submittal are designated in the Technical Specifications.
 - (1) Special reports shall be submitted to the Director of the NRC Regional Office listed in Appendix D, 10 CFR Part 20, with a copy to the Director, Office of Inspection and Enforcement, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555 within the time period specified for each report.

6.10 RECORD RETENTION

- a. The following records shall be retained for at least five years:
 - 1. Records and logs of plant operation, including power levels and periods of operation at each power level.
 - 2. Records and logs of principal maintenance activities, inspections, repair and replacement of principal items of equipment pertaining to nuclear safety.
 - 3. Reports of all REPORTABLE EVENTS.
 - 4. Records of periodic checks, inspections, and calibrations required by these Technical Specifications.
 - 5. Records of nuclear safety-related tests or experiments.

6. Records of radioactive shipments.

- 7. Records of changes to operating procedures.
- 8. Records of sealed source leak tests and results.
- 9. Records of annual physical inventory of all source material of record.
- 10. Records of Quality Assurance activities required by the Operational Quality Assurance Program (OQAP) except where it is determined that the records should be maintained for a longer period of time.
- b. The following records shall be retained for the duration of the Plant Operating License.
 - 1. Records of a complete set of as-built drawings for the plant as originally licensed and all print changes showing modifications made to the plant.
 - 2. Records of new and spent fuel inventory, fuel transfers, and assembly burnup histories.
 - 3. Records of plant radiation and contamination surveys.
 - 4. Records of radiation exposure of all plant personnel, and others who enter radiation control areas.
 - 5. Records of radioactivity in liquid and gaseous wastes released to the environment.

Proposed Amendment No. 104 11/20/91

TS 6.10-1

- 6. Records of transient or operational cycles for these facility components.
- 7. Records of training and qualification for current members of the plant staff.
- 8. Records of in-service inspections performed pursuant to these Technical Specifications.

9. Records of meetings of the NSRAC and PORC.

10. Records for Environmental Qualification.

I



6.11 RADIATION PROTECTION PROGRAM

- a. Procedures for personnel radiation protection shall be prepared consistent with the requirements of 10 CFR Part 20 and shall be approved, maintained and adhered to for all operations involving personnel radiation exposure.
- b. Iodine Monitoring

The licensee shall implement a program which will ensure the capability to accurately determine the airborne iodine concentration in vital areas under accident conditions. This program shall include the following:

1. Training of personnel,

2. Procedures for monitoring, and

3. Provisions for maintenance of sampling and analysis equipment.

Proposed Amendment No. 104 11/20/91

6.12 SYSTEM INTEGRITY

The licensee shall implement a program to reduce leakage from systems outside containment that would or could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. This program shall include the following:

a. Provisions establishing preventive maintenance and periodic visual inspection requirements, and

b. Integrated leak test requirements for each system at a frequency not to exceed REFUELING cycle intervals.

> Proposed Amendment No. 104 11/20/91

6.12-1

6.13 HIGH RADIATION AREA

- a. In lieu of the "control device" or "alarm signal" required by Paragraph 20.203 (c) (2):
 - 1. Each High Radiation Area in which the intensity of radiation is greater than 100 mrem/hr, but less than 1000 mrem/hr, shall be barricaded and conspicuously posted as a High Radiation Area and entrance thereto shall be controlled by requiring issuance of a Radiation Work Permit and any individual or group of individuals permitted to enter such areas shall be provided with a radiation monitoring device which continuously indicates the radiation dose rate in the area.
 - 2. Each High Radiation Area in which the intensity of radiation is greater than 1000 mrem/hr shall be subject to the provisions of 6.13.1.a above, and in addition locked doors shall be provided to prevent unauthorized entry into these areas. The areas shall be maintained under the administrative control of the Shift Supervisor on duty.

Proposed Amendment No. 104 11/20/91

TS 6.13-1

6.14 POST-ACCIDENT SANPLING AND NONITORING

The licensee shall implement a program which will ensure the capability to monitor containment radiation levels, to obtain and analyze reactor coolant and containment atmosphere samples, and to monitor the plant gaseous effluent under accident conditions. The program shall be defined in nuclear administrative directives and will include the following:

- a. Responsibilities for program implementation.
- b. Delineation of instrumentation required.
- c. Provisions for preventive maintenance and periodic surveillance of instrumentation.
- d. Pre-planned procedures and back-up instrumentation to be used if one or more monitoring instruments become inoperable.
- e. Administrative procedures for returning inoperable instruments to OPERABLE status as soon as practicable.

6.15 SECONDARY WATER CHEMISTRY

The licensee shall implement a secondary water chemistry monitoring program. The intent of this program will be to control corrosion thereby inhibiting steam generator tube degradation. The secondary water chemistry program shall act as a guide for the chemistry group in their routine as well as non-routine activities.

TS 6.15-1

6.16 RADIOLOGICAL EFFLUENTS

Written procedures shall be established, implemented and maintained covering the activities referenced below:

a. PROCESS CONTROL PROGRAM implementation.

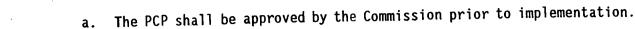
b. OFF-SITE DOSE CALCULATION MANUAL implementation.

c. Quality Assurance Program for effluent and environmental monitoring.

Proposed Amendment No. 104 11/20/91

TS 6.16-1

6.17 PROCESS CONTROL PROGRAM (PCP)



- b. Licensee initiated changes to the PCP:
 - 1. Shall be submitted to the Commission in the Semiannual Radioactive Effluent Release Report for the period in which the change(s) was made. This submittal shall contain:
 - A. Sufficiently detailed information to support the rationale for the change without benefit of additional or supplemental information;
 - B. A determination that the change did not reduce the overall conformance of the solidified waste product to existing criteria for solid wastes; and
 - C. Documentation of the fact that the change has been reviewed and found acceptable by the PORC.

2. Shall become effective upon review and acceptance by the PORC.

Proposed Amendment No. 104 11/20/91

TS 6.17-1

6.18 OFF-SITE DOSE CALCULATION MANUAL (ODCM)

- a. The ODCM shall be approved by the Commission prior to implementation.
- b. Licensee initiated changes to the ODCM:
 - 1. Shall be submitted to the Commission in the Semiannual Radioactive Effluent Release Report for the period in which the change(s) was made effective. This submittal shall contain:
 - A. Sufficiently detailed information to support the rationale for the change without benefit of additional or supplemental information. Information submitted should consist of a package of those pages of the ODCM to be changed with each page numbered and provided with an approval and date box, together with appropriate analyses or evaluations justifying the change(s);
 - B. A determination that the change will not reduce the accuracy or reliability of dose calculations or setpoint determinations; and
 - C. Documentation of the fact that the change has been reviewed and found acceptable by the PORC.
 - 2. Shall become effective upon review and acceptance by the PORC.

Proposed Amendment No. 104 11/20/91

TS 6.18-1

6.19 MAJOR CHANGES TO RADIOACTIVE LIQUID, GASEOUS AND SOLID WASTE TREATMENT SYSTEMS⁽¹⁾

Licensee initiated major changes to the radioactive waste systems (liquid, gaseous and solid):

- a. Shall be reported to the Commission in the Semiannual Radioactive Effluent Release Report for the period in which the evaluation was reviewed by the PORC. The discussion of each change shall contain:
 - 1. A summary of the evaluation that led to the determination that the change could be made in accordance with 10 CFR 50.59.
 - 2. Sufficient information to support the reason for the change without benefit of additional or supplemental information;
 - A description of the equipment, components and processes involved and the interfaces with other plant systems;
 - 4. An evaluation of the change, which shows the predicted releases of radioactive materials in liquid and gaseous effluents and/or quantity of solid waste that differ from those previously predicted in the license application and amendments thereto;
 - 5. An evaluation of the change, which shows the expected maximum exposures to individuals in the UNRESTRICTED AREA and to the general population that differ from those previously estimated in the license application and amendments thereto;
 - 6. A comparison of the predicted releases of radioactive materials, in liquid and gaseous effluents and in solid waste, to the actual releases for the period prior to when the changes are to be made;
 - 7. An estimate of the exposure to plant operating personnel as a result of the change; and
 - 8. Documentation of the fact that the change was reviewed and found acceptable by the PORC.
 - b. Shall become effective upon review and acceptance by the PORC.

 $^{(1)}$ Licensees may choose to submit the information called for in this TS as part of the annual USAR update.

Proposed Amendment No. 104 11/20/91

TS 6.19-1