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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

September 26, 1980

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Docket No. 50-245

Mr. W. G. Council, Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
P. O. Box 270  
Hartford, Connecticut 06101

Dear Mr. Council:

By letter dated November 16, 1979, we sent you the list of topics which would not be reviewed by your plant in the Systematic Evaluation Program (SEP). These topics were deleted from the SEP review because they were not applicable to your plant or they were being reviewed as part of an ongoing generic issue outside the SEP. The following topics should be added to the November 16 listing. Removal of these additional topics from the SEP review results from 1) related generic NRC activities and 2) non-applicability of topics to certain facilities. The following is a list of such topics and indicates their disposition:

<u>Topic</u>	<u>Categorization</u>	<u>Disposition</u>
II-2.D	Generic	Compliance with Appendix E is being evaluated under the Emergency Preparedness Program Office (EPPO) effort. Compliance with Appendix I is being evaluated as part of the NRC Appendix I review effort.
II-2.D	Generic	Compliance is being evaluated under the EPPO effort.
III-8.B	Deleted	The review published as NUREG-0479, "Report on BWR Control Rod Drive Failures" fulfills the intent of this topic.
VI-8	Generic	Will be reviewed by NRC as part of TMI Task Action Plan (NUREG-0660) as specified in May 7, 1980 letter to all operating reactor licensees.

Those parts of Topic II-1.B "Population Distribution" relating to emergency plans will be evaluated by EPPO. In addition, the original DBE review list indicated that DBE group VI events "Uncontrolled Rod Assembly Withdrawal at Power and "Uncontrolled Rod Assembly Withdrawal - Low Power Startup" are a

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part of Topic XV-13. However, the topic of reference should be Topic XV-8, "Control Rod Misoperation" and accordingly the references for Topic XV-8 should include Standard Review Plans 15.4.1 and 15.4.2. Also, the November 16, 1979, letter states that DBE Group X, "Inadvertent Operation of ECCS or CVCS Malfunction that Causes an Increase in Reactor Coolant Inventory" should be deleted as it applies only to PWR's. However, Group X will be included in the SEP review since inadvertent operation of ECCS should be evaluated for BWR's.

Enclosure 1 to this letter includes a revised listing of the DBE Accident and Transient Groups applicable to BWR's. Of note should be the inclusion of Group XI, "Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position", revision to Group III to include "Radiological Consequences Of a Main Steam Line Failure Outside Containment", and the inclusion of Fuel Handling Accidents in Group VIII.

Sincerely,

  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

Mr. W. G. Council

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cc

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BWR DBE TOPIC LIST

Accident and Transient Groups

	<u>RELATED TOPIC</u>	<u>DESIGN BASIS EVENT</u>	<u>SRP</u>
<u>Group I</u> (BWR)	XV-1	Decrease in feedwater temperature	15.1.1
	XV-1	Increase in feedwater flow	15.1.2
	XV-1	Increase in steam flow	15.1.3
	XV-9	Start-up of inactive loop and flow controller malfunction	15.4.4, 5
	XV-3	Inadvertent closure of main steam isolation valve	15.2.4
<u>Group II</u>	XV-3	Loss of external load	15.2.1
	XV-3	Turbine trip	15.2.2
	XV-3	Loss of condenser vacuum	15.2.3
	XV-3	Steam pressure regulatory failure	15.2.5
	XV-5	Loss of feedwater flow	15.2.7
<u>Group III</u>	XV-18	Radiological Consequences of a Main Steam Line Failure Outside Containment	15.6.4
<u>Group IV</u>	XV-4	Loss of AC power to station auxiliaries	15.2.6
	XV-24	Loss of all AC power	-
<u>Group V</u>	XV-7	Loss of forced coolant flow	15.3.1
	XV-7	Primary pump rotor seizure	15.3.3
	XV-7	Primary pump shaft break	15.3.4
<u>Group VI</u>	XV-8	Uncontrolled rod assembly withdrawal at power	15.4.2
	XV-8	Uncontrolled rod assembly withdrawal low power start-up	15.4.1
	XV-8	Control rod misoperation	15.4.3
	XV-13	Spectrum of rod drop accidents	15.4.9
<u>Group VII</u>	XV-19	Spectrum of loss of coolant accidents	15.6.5
<u>Group VIII</u>	XV-21	Drop of cask or heavy equipment	15.7.5
	XV-20	Radiological Consequences of Fuel Damaging Accidents (inside and outside containment)	15.7.4
<u>Group IX</u>	XV-15	Inadvertent opening of BWR safety/ relief valve	15.6.1
<u>Group X</u>	XV-14	Inadvertent operation of ECCS	15.5.1
<u>Group XI</u>	XV-11	Inadvertent loading and operation of a fuel assembly in an improper position	15.4.7
<u>Group XII</u>		Not applicable to BWRs	

BWR DBE LIST (continued)

<u>GROUP</u>	<u>RELATED SEP TOPIC</u>	<u>DESIGN BASIS EVENT</u>	<u>SRP SECTION</u>
VI	XV-8	Uncontrolled rod assembly withdrawal at power	15.4.2
	XV-8	Uncontrolled rod assembly withdrawal low power start-up	15.4.1
	XV-8	Control rod misoperation	15.4.3
	XV-13	Spectrum of rod drop accidents	15.4.9
VII	XV-19	Spectrum of rod drop accidents	15.6.5
VIII	XV-20	Radiological consequences of fuel damaging accidents (inside and outside containment)	15.7.4
	XV-21	Drop of cask or heavy equipment	15.7.5
IX	XV-15	Inadvertent opening of BSR safety/ relief valve	15.6.1
X	XV-14	Inadvertent operation of ECCS	15.5.1
XI	XV-11	Inadvertent loading and operation of a fuel assembly in an improper position	15.4.7
XII	-	Not applicable to BWR's	

PWR DBE LIST

<u>GROUP</u>	<u>RELATED SEP TOPIC</u>	<u>DESIGN BASIS EVENT</u>	<u>SRP SECTION</u>
I	XV-1	Decrease in feedwater temperature	15.1.1
	XV-1	Increase in feedwater flow	15.1.2
	XV-1	Increase in steam flow	15.1.3
	XV-1	Inadvertent opening of steam generator relief/safety valve	15.1.4
	XV-9	Start-up of inactive loop	15.4.4
	XV-10	System malfunction causing a decrease in boron concentration	15.4.6
II	XV-3	Loss of external load	15.2.1
	XV-3	Turbine trip	15.2.2
	XV-3	Loss of condenser vacuum	15.2.3
	XV-3	Steam pressure regulatory failure	15.2.5
	XV-5	Loss of feedwater flow	15.2.7
	XV-6	Feedwater system pipe break	15.2.8