

Attachment A

Revision to Section 5.0

Seabrook Station Radiological Emergency Plan

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Figure 5.6 presents the critical safety functions in descending order of importance as one reads down the figure. If more than one classification is reached, the emergency will be classified according to the most severe.

5.5 Miscellaneous Station Conditions

The capability also exists for the classification of emergencies based on conditions that do not challenge a Critical Safety Function. Based on the guidance of Appendix 1 of NUREG-0654/FEMA-REP-1, miscellaneous emergency conditions (e.g., fire, electrical, security, natural events) have been evaluated, initiating conditions identified and Emergency Action Levels developed. The specific miscellaneous initiating conditions are indicated on Figure 5.6.

In some cases a combination of miscellaneous conditions or a complication of a miscellaneous condition with a critical safety function are an indication that an emergency classification has been reached. These combinations and complications are also on Figure 5.6.

5.6 Classification of Emergencies

Insert "A"

Classification of an emergency at Seabrook Station is made based on one or more of the conditions listed in Figure 5.6. Specific EAL's (color status trees, meter indications, alarms, or limits) for initiating conditions are provided in an emergency response procedure and in operator training. In all cases, if several emergency classifications are indicated, the most severe emergency classification will be made whether based upon status trees or miscellaneous initiating conditions.

5.7 Sample Classifications

To ensure understanding of the emergency classification system, the following sample classifications are presented. These examples explain the process by which the operators would come to the decision to classify an emergency.

EXAMPLE 1 - Condition - Critical Safety Function Core Cooling (Figure 5.2) indicates orange.

First locate C, Core Cooling under the Critical Safety Function column on the left of Figure 5.6. Then moving to the right, find C Orange under the appropriate emergency class, Site Area Emergency.

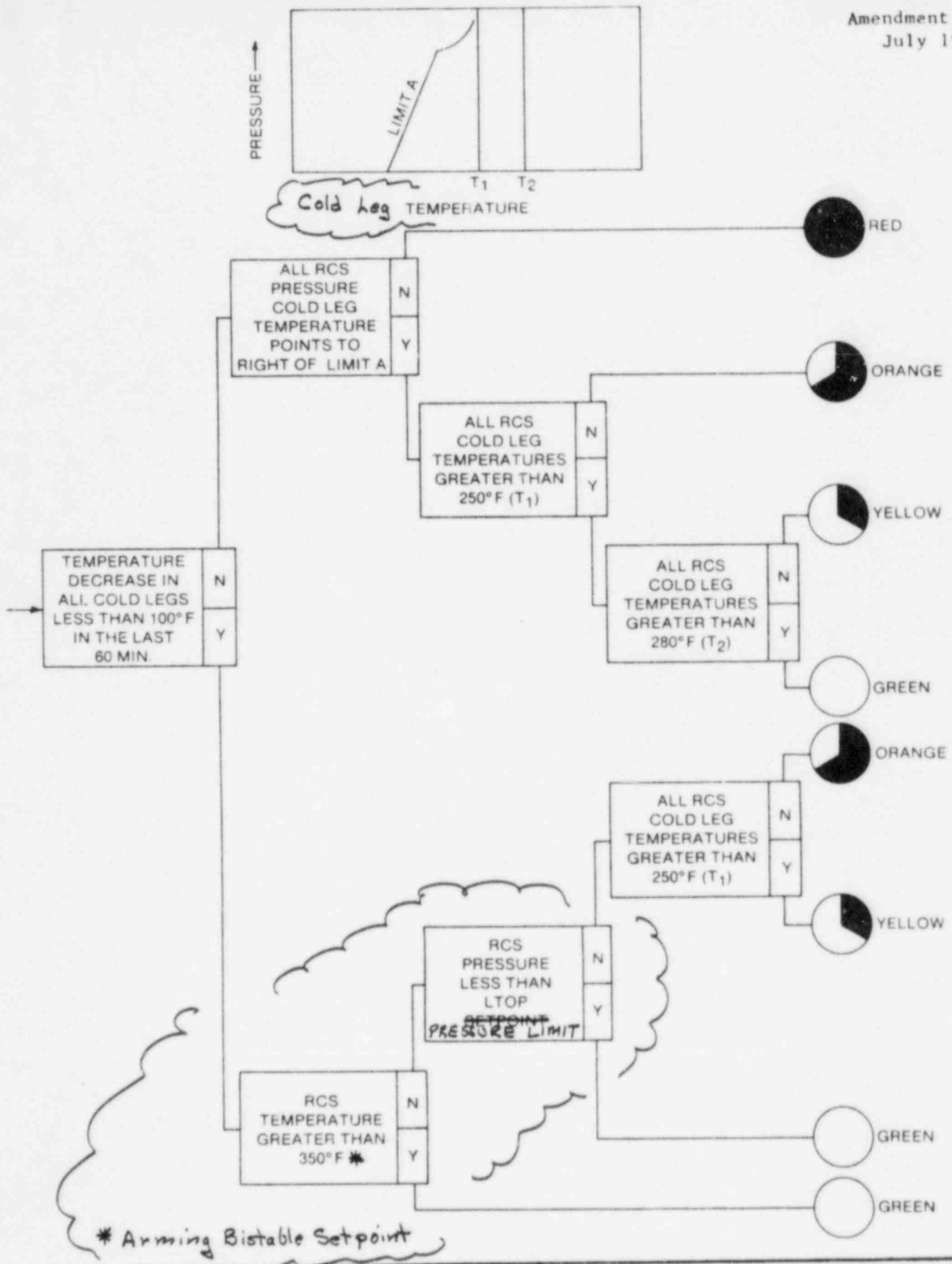
EXAMPLE 2 - Condition - Critical Safety Functions, Heat Sink (Figure 5.3) indicates red, and Core Cooling (Figure 5.2) indicates orange.

Combinations of separate Critical Safety Function indicators sometimes warrant a higher level emergency classification. First locate C, Core Cooling under the Critical Safety Function column on Figure 5.6. Moving to the right, find C Orange (Site Area Emergency), then C Orange plus H Red (General Emergency). Then locate H, Heat Sink. Moving to the right, find H Red (Site Area Emergency). Using the most severe classification, select General Emergency.

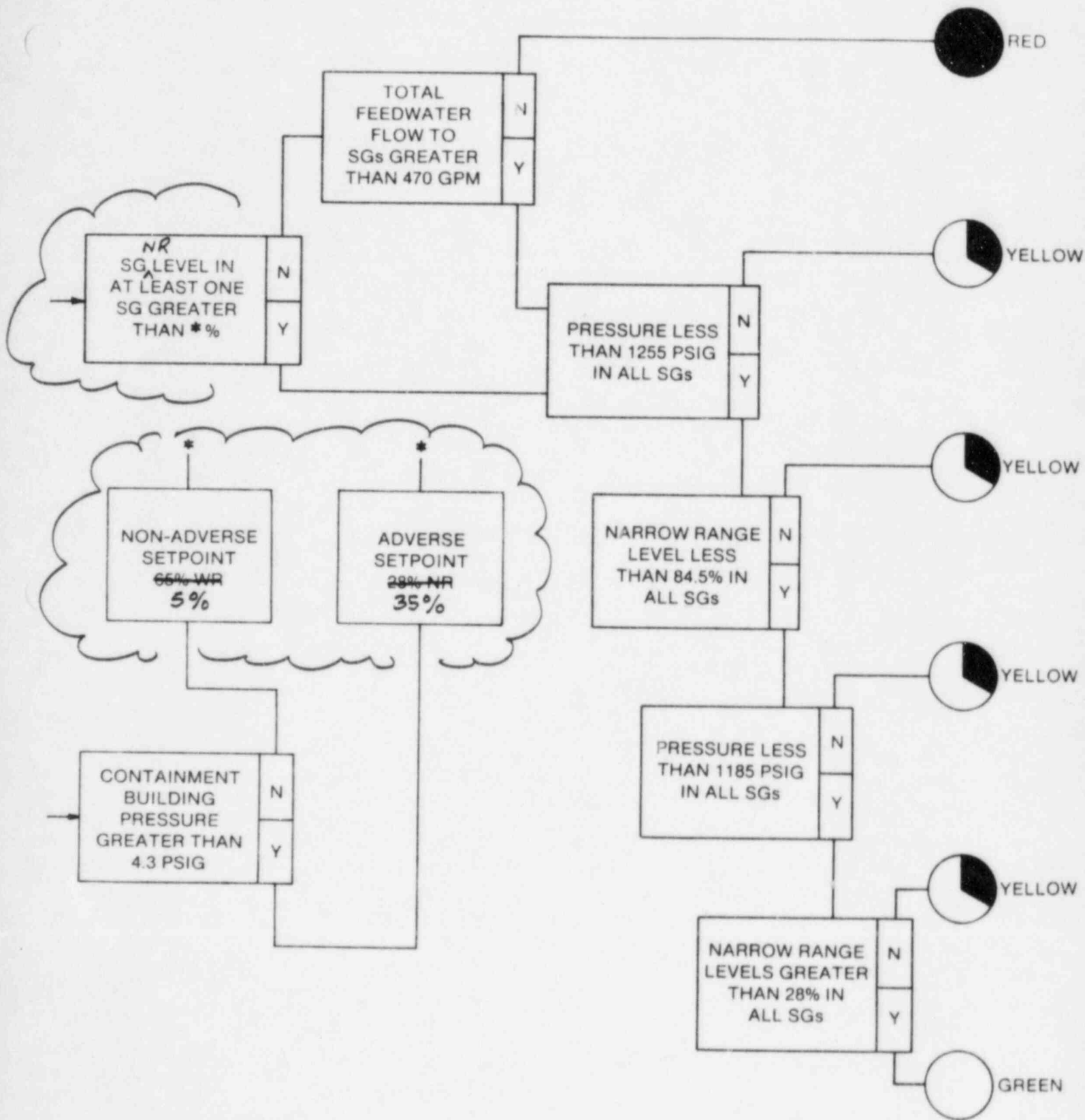
Insert "A"

onto p. 5-3

The specific emergency response procedure is ER-1.1 "Classification of Emergencies". This procedure contains the specific EAL's that serve as the basis for an emergency condition classification into one of the four emergency categories. This includes specific definitions of the events (i.e. natural phenomena, man-made occurrences, security threats and discretionary items) under category 18 of Figure 5.6.

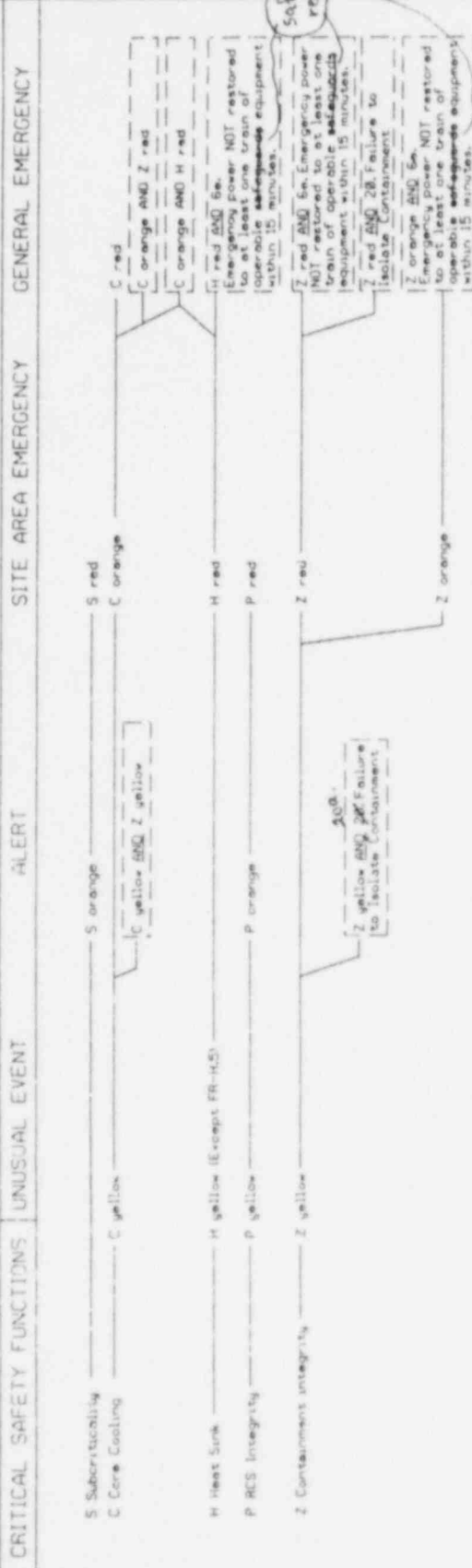


<p>PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE SEABROOK STATION - UNITS 1 & 2 FINAL SAFETY ANALYSIS REPORT RADIOLOGICAL EMERGENCY PLAN</p>	<p>STATUS TREE FOR CRITICAL SAFETY FUNCTION NUMBER P - RCS INTEGRITY</p> <p style="text-align: right;">FIGURE 5.4</p>
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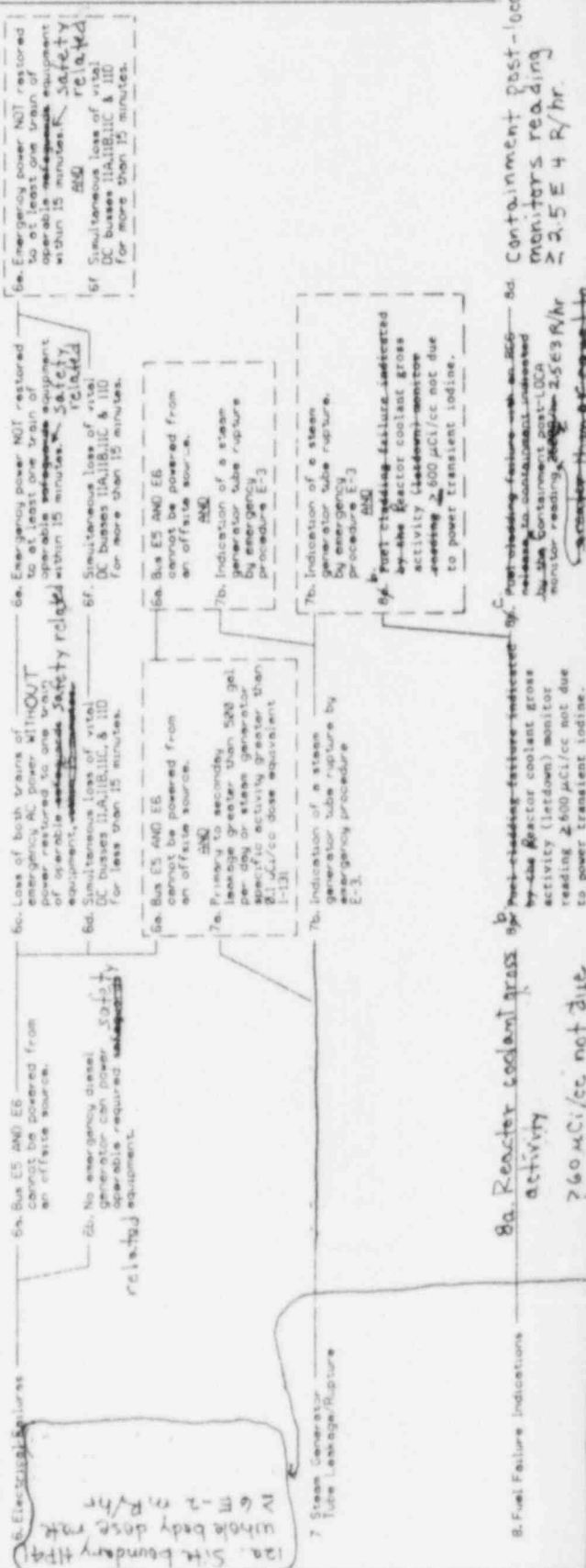
EMERGENCY CLASSIFICATION FLOW CHART

Name _____
 Time _____
 Date _____



Safety related

MISCELLANEOUS EMERGENCY CONDITIONS



Attachment BAdditional Clarification

1. NUREG-0654, Appendix 1, pg. 1-5, Example 1(ECCS initiated and discharged to Vessel)

Item 14b of the Seabrook Station classification system requires the operator to verify that any ECCS activation event is not inadvertent. Verified and validated emergency response procedures E.0. and ES-1.1 provide positive assurance that any such actuation has not been initiated due to an actual condition. If such actuation is in response to an actual event or, if conditions allowing termination cannot be achieved, then the declaration of an Unusual Event is required by procedure ER-1.1.

2. NUREG-0654, Appendix 1, pg. 1-13, Example 1 (Known LOCA greater than makeup pump capacity)

Item 15b of the Seabrook Station classification system conservatively satisfies a loss of coolant greater than makeup pump capacity. If leakage is greater than the capacity of one of two available makeup pumps, the operator is directed to trip the plant and initiate safety injection. These actions will result in entry into Procedure E-1, which constitutes a Site Area Emergency.

3. NUREG-0654, Appendix 1, pg. 1-18, Example PWR Sequences

We have reviewed these examples against the events incorporated as General Emergencies in the Seabrook Station classification system and have concluded that the desire of early identification of these types of conditions is met with our classification system.