

CHAPTER 7  
INSTRUMENTATION AND CONTROLS

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**CHAPTER 7****INSTRUMENTATION AND CONTROLS**

## 7.1 INTRODUCTION

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

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## 7.1.6.1 Setpoint Calculations for Protective Functions

STD COL 7.1-1 The Setpoint Program described in Technical Specifications Section 5.5 provides the appropriate controls for update of the instrumentation setpoints following completion of the calculation of setpoints for protective functions and the reconciliation of the setpoints against the final design.

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## 7.2 REACTOR TRIP

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

### 7.3 ENGINEERED SAFETY FEATURES

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

#### 7.4 SYSTEMS REQUIRED FOR SAFE SHUTDOWN

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

## 7.5 SAFETY-RELATED DISPLAY INFORMATION

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

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7.5.2 VARIABLE CLASSIFICATIONS AND REQUIREMENTS

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Add the following paragraph at the end of DCD Subsection 7.5.2.

STD COL 7.5-1 FSAR **Table 7.5-201** supplements **DCD Table 7.5-1** and provides variable data shown in the DCD table as “site specific.”

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7.5.3.5 Type E Variables

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Add the following paragraph at the end of DCD Subsection 7.5.3.5.

STD COL 7.5-1 FSAR **Table 7.5-201** supplements **DCD Table 7.5-8** and provides variable data shown in the DCD table as “site specific.”

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7.5.5 COMBINED LICENSE INFORMATION

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STD COL 7.5-1 This COL item is addressed in **Subsection 7.5.2** and **Table 7.5-201**, and in  
WLS COL 7.5-1 **Subsection 7.5.3.5**.

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WLS COL 7.5-1

TABLE 7.5-201  
POST-ACCIDENT MONITORING SYSTEMS<sup>(a)</sup>

Variable	Range/ Status	Number of Instruments Required	Remarks
Boundary environs radiation <ul style="list-style-type: none"> <li>• Airborne Radiohalogens and Particulates (portable sampling with onsite analysis capability)</li> <li>• Radiation (portable instrumentation)</li> <li>• Radioactivity (portable instrumentation)</li> </ul>	10 <sup>-9</sup> to 10 <sup>-3</sup> μCi/cc  10 <sup>-3</sup> to 10 <sup>4</sup> R/hr, photons 10 <sup>-3</sup> to 10 <sup>4</sup> rads/hr, beta radiations and low energy photons  Isotopic Analysis	NA	Conforms to RG 1.97 <sup>(b)</sup>
Meteorological parameters <ul style="list-style-type: none"> <li>• Wind Speed</li> <li>• Wind Direction</li> <li>• Differential Temperature</li> </ul>	See Remarks	NA	Conforms to RG 1.97 <sup>(b)</sup> and RG 1.23; see <b>FSAR Subsection 2.3.3</b> and <b>Table 2.3-281</b>

a) This table supplements **DCD Tables 7.5-1** and **7.5-8** and provides the site specific information noted in the “Remarks” column of **DCD Table 7.5-1** and in the “Variable” column of **DCD Table 7.5-8**.

b) Conformance to Regulatory Guide 1.97 is described in **Appendix 1AA**. Variables and ranges are defined consistent with Regulatory Guide 1.97, Revision 3.



TABLE 7.5-202  
Deleted

7.6 INTERLOCK SYSTEMS IMPORTANT TO SAFETY

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

## 7.7 CONTROL AND INSTRUMENTATION SYSTEMS

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.