

**CHAPTER 7: INSTRUMENTATION AND CONTROLS  
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## 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.

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7.3 ENGINEERED SAFETY FEATURES

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

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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

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

### 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 7.5-202** 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  
PTN COL 7.5-1 This COL item is addressed in **Subsection 7.5.2** and **Table 7.5-201**, and in **Subsection 7.5.3.5** and **Table 7.5-202**.

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PTN COL 7.5-1

**Table 7.5-201(a)**  
**Post-Accident Monitoring System**

Variable	Range/Status	Number of Instruments Required	Remarks
Boundary environs radiation  Airborne radiohalogens and particulates, radiation, and radioactivity  (portable instrumentation)	Conforms to RG 1.97	Conforms to RG 1.97	
Meteorological parameters	See remarks	See remarks	See <a href="#">Subsection 2.3.3.1.2</a> and <a href="#">Table 2.3.3-204</a>

(a) This table supplements [DCD Table 7.5-1](#) and provides the site-specific information noted in the “Remarks” column of [DCD Table 7.5-1](#).



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PTN COL 7.5-1

**Table 7.5-202**  
**Summary of Type E Variables<sup>(a)</sup>**

<b>Function Monitored</b>	<b>Variable</b>	<b>Type/ Category</b>
Environs Radiation and Radioactivity	Plant Environs radiation levels and airborne radioactivity	E3
Meteorology	Wind speed, wind direction, and estimation of atmospheric stability (based on vertical temperature difference)	E3

(a) This Table supplements **DCD Table 7.5-8** and provides the site specific information noted in the variable column of **DCD Table 7.5-8**.

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7.6 INTERLOCK SYSTEMS IMPORTANT TO SAFETY

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

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7.7 CONTROL AND INSTRUMENTATION SYSTEMS

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