

**Bellefonte Nuclear Plant, Units 3 & 4
COL Application
Part 2, FSAR**

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 no departures or supplements.

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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

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7.5 SAFETY-RELATED DISPLAY INFORMATION

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

Add the following paragraph at the end of Subsection 7.5.2.

BLN SUP 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."

Add the following paragraph at the end of Subsection 7.5.3.5.

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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TABLE 7.5-201
POST-ACCIDENT MONITORING SYSTEM^(a)

BLN SUP 7.5-1

Variable	Range / Status	Number of Instruments Required	Remarks
Boundary environs radiation <ul style="list-style-type: none"> • Airborne Radiohalogens and Particulates (portable sampling with onsite analysis capability) • Radiation (portable instrumentation) • Radioactivity (portable instrumentation) 	10 ⁻⁹ to 10 ⁻³ μCi/cc 10 ⁻³ to 10 ⁴ R/hr, photons 10 ⁻³ to 10 ⁴ rads/hr, beta and low-energy photons Multichannel gamma ray spectrometer	NA	Conforms to Regulatory Guide 1.97
Meteorological parameters	See Remarks	See Remarks	See FSAR Subsection 2.3.3.2 and Table 2.3-317

a) This Table supplements **DCD Table 7.5-1** and provides the site specific information noted in "Remarks" column of **DCD Table 7.5-1**.

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BLN SUP 7.5-1

TABLE 7.5-202
SUMMARY OF TYPE E VARIABLES^(a)

Function Monitored	Variable	Type/Category
Environs Radiation and Radioactivity	Plant Environs radiation level and airborne radioactivity	E3
Meteorology	Wind speed, wind direction, and estimation of atmospheric stability (based on vertical temperature differences)	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.