

**Levy Nuclear Plant Units 1 and 2
COL Application
Part 2, Final Safety Analysis Report**

CHAPTER 15
ACCIDENT ANALYSES

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LIST OF TABLES

Number

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None

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LIST OF FIGURES

Number

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None

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CHAPTER 15

ACCIDENT ANALYSES

15.0 ACCIDENT ANALYSES

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

15.0.3.2 Initial Conditions

STD COL 15.0-1

Add the following paragraph at the end of DCD **Subsection 15.0.3.2**.

The actual selected plant operating instrumentation has documented instrumentation uncertainties to calculate a power calorimetric uncertainty that confirms the uncertainty assumed for the initial reactor power in the safety analysis bounds the calculated calorimetric values.

15.0.15 COMBINED LICENSE INFORMATION

STD COL 15.0-1

Add the following text at the end of DCD **Subsection 15.0.15.1**.

This COL item is addressed in FSAR **Subsection 15.0.3.2**.

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15.1 INCREASE IN HEAT REMOVAL FROM THE PRIMARY SYSTEM

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

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15.2 DECREASE IN HEAT REMOVAL BY THE SECONDARY SYSTEM

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

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15.3 DECREASE IN REACTOR COOLANT SYSTEM FLOW RATE

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

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15.4 REACTIVITY AND POWER DISTRIBUTION ANOMALIES

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

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15.5 INCREASE IN REACTOR COOLANT INVENTORY

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

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15.6 DECREASE IN REACTOR COOLANT INVENTORY

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

15.6.5.3.7.3 Atmospheric Dispersion Factors

LNP COL 2.3-4

Add the following paragraph at the end of DCD **Subsection 15.6.5.3.7.3**.

Site-specific χ/Q (atmospheric dilution factor) values provided in **Subsection 2.3.4** are bounded by the values given in DCD **Table 15A-5** and **Table 15A-6**.

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15.7 RADIOACTIVE RELEASE FROM A SUBSYSTEM OR COMPONENT

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

15.7.6 COMBINED LICENSE INFORMATION

LNP COL 15.7-1

This COL Item is addressed in **Section 2.4.13**.

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15.8 ANTICIPATED TRANSIENTS WITHOUT SCRAM

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

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APPENDIX 15A EVALUATION MODELS AND PARAMETERS FOR
ANALYSIS OF RADIOLOGICAL CONSEQUENCES OF
ACCIDENTS

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

15A.3.3 Atmospheric Dispersion Factors

Replace the third paragraph in DCD **Subsection 15A.3.3** with the following:

LNP COL 2.3-4

Site-specific χ/Q values provided in **Subsection 2.3.4** are bounded by the values given in DCD **Table 15A-5** and **Table 15A-6**.

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APPENDIX 15B REMOVAL OF AIRBORNE ACTIVITY FROM THE
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This **section** of the referenced DCD is incorporated by reference with no departures or supplements.