

	<p style="text-align: center;"><b>INDIANA AND MICHIGAN POWER</b>  <b>D. C. COOK NUCLEAR PLANT</b>  <b>UPDATED FINAL SAFETY ANALYSIS REPORT</b></p>	<p>Revision: 27.0  Table: 4.1-7  Page: 1 of 1</p>
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## Reactor Coolant Piping Design Parameters

Reactor inlet piping, ID, in	27.5
Reactor inlet piping, minimum <sup>1</sup> thickness, in	2.56
Reactor outlet piping, ID, in	29
Reactor outlet piping, minimum <sup>1</sup> thickness, in	2.69
Coolant pump suction piping, ID, in	31
Coolant pump suction piping, minimum <sup>1</sup> thickness, in	2.88
Pressurizer surge line piping, ID, in	11.188
Pressurizer surge line piping, nominal thickness, in	1.406
Design pressure, psig	2485
Operating Pressure, psig	2235
Hydrostatic test pressure (cold), psig	3106 (Unit 1) / 3107 <sup>2</sup> (Unit 2)
Design temperature, °F	650
Design temperature (pressurizer surge line)°F	680
Design pressure, pressurizer relief line, psig	3
Design temperature, pressurizer relief lines, °F	1
Water volume (all 4 loops without surge line), ft <sup>3</sup>	1185
Surge line volume, ft <sup>3</sup>	43

<sup>1</sup> Original procurement minimums

<sup>2</sup> Original design

<sup>3</sup> From pressurizer to safety valve: 2485 psig, 650°F; From safety valve to pressurizer relief tank: 500 psig, 470°F