

Indian Point Steam Generator Materials Table

	Unit 2, Docket No. 50-247, License No. DPR-26	Unit 3, Docket No. 50-286, License No. DPR-64
<b>Installation Year and Model</b>	2000 Model 44F <sup>1,2,4</sup>	1989 Model 44F <sup>1,2,5</sup>
<b>ASME Code</b>	Boiler and Pressure Vessel, Section III (1980) <sup>1</sup>	Boiler and Pressure Vessel, Section III (1984) <sup>1</sup>
<b>Primary Construction Material</b>	Low alloy carbon steel <sup>1</sup>	Low alloy carbon steel <sup>1</sup>
<b>Tubes</b>	Alloy 600, thermally treated <sup>1,3</sup> (SB-163, Thermally Treated, Code Case N-20) <sup>6</sup>	Alloy 690, thermally treated <sup>1,3</sup> (SB-163) <sup>7</sup>
<b>Tubes, Primary-Side Cladding</b>	Inconel <sup>1,3</sup>	Inconel <sup>1,3</sup>
<b>Tube-to-Tube Sheet Welds</b>	N/A	N/A
<b>Tubesheet</b>	Low alloy carbon steel (SA 508) <sup>4,8</sup>	Low alloy carbon steel (SA 508) <sup>5,8</sup>
<b>Tubesheet, Primary-Side Cladding</b>	Weld deposited Ni-CR-Fe alloy <sup>4</sup> Inconel <sup>6,8</sup>	Weld deposited Ni-CR-Fe alloy <sup>5</sup> Inconel weld deposit <sup>7,8</sup>
<b>Divider Plate</b>	Alloy 600 (ASME-SB-168) <sup>2,8</sup>	Alloy 600 (ASME-SB-168) <sup>2,8</sup>
<b>Divider Plate Cladding</b>	“stainless weld rod – Type 304 equivalent” <sup>6</sup>	“stainless weld rod – Type 304 equivalent” <sup>7</sup>
<b>Divider Plate-to-Steam Generator Welds</b>	“conservatively assumed that the weld materials are the associated Alloy 600 weld materials” <sup>2</sup>	“conservatively assumed that the weld materials are the associated Alloy 600 weld materials” <sup>2</sup>
<b>Stub Runner and Welds</b>	N/A	N/A
<b>Channel Head</b>	Low alloy carbon steel (SA-216 WCC) <sup>6,8</sup>	Low alloy carbon steel (SA 508 Class 3) <sup>7,8</sup>
<b>Channel Head Cladding</b>	Austenitic stainless steel <sup>1,8</sup>	Austenitic stainless steel <sup>1,8</sup>

Sources:

<sup>1</sup> LRA 2.3.1.4

<sup>2</sup> SSER 3-18

<sup>3</sup> SSER 3-21


<sup>4</sup> IP2 SG Program, p.4

<sup>5</sup> IP3 SG Program, p.4

<sup>6</sup> IP2 UFSAR 4.2.2.3  
(Table 4.2-1) (2014)

<sup>7</sup> IP3 UFSAR 4.2.2  
(Table 4.2-1) (2007)

<sup>8</sup> IP-RPT-06-AMM34  
(Table 2)

United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of: Entergy Nuclear Operations, Inc. (Indian Point Nuclear Generating Units 2 and 3)	
	<b>ASLBP #:</b> 07-858-03-LR-BD01
	<b>Docket #:</b> 05000247   05000286
	<b>Exhibit #:</b> NYS000560-00-BD01
	<b>Admitted:</b> 11/5/2015
	<b>Rejected:</b>
<b>Other:</b>	<b>Identified:</b> 11/5/2015
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	<b>Stricken:</b>