

R. L. Tedesco, DRL

RE: INFORMATION ON THE FABRICATION OF THE
JERSEY CENTRAL PRESSURE VESSEL

The information you verbally requested on May 27,
1968, has been obtained from the Combustion
Engineering Corporation and is attached.

Attachment:
Fabrication Information

cc: V. Stello, DRL, w/att
L. Kornblith, Jr., CO, w/att

Original signed by
J. P. O'Reilly

J. P. O'Reilly, CO

5/29/68

8304070603 690106
PDR ADOCK 05000219
A PDR

OFFICE ▶	CO				
SURNAME ▶	JPO'Reilly:ej				
DATE ▶	5/29/68				

MATERIAL USED BY COMBUSTION ENGINEERING CORPORATION
IN THE FABRICATION OF THE
JERSEY CENTRAL POWER & LIGHT COMPANY PRESSURE VESSEL

<u>Material Description</u>	<u>Supplier</u>	<u>Specification</u>
Vessel shell plate	Lukens Steel	SA 302-B
Vessel lower support skirt and base plate	Lukens Steel Lukens Steel	SA 212-B SA 212-B
Vessel head plates	Lukens Steel	SA 302-B Modified .40- .70 N1
Vessel flange forging	Ladish	SA 336 & Code Case 1236
Vessel support skirt forging	Ladish	SA 336 & Code Case 1236
Closure head flange forging	Ladish	SA 336 & Code Case 1236
Core support ring forging	Ladish	SA 336 ty 304 CRES
Stub tubes	Allegheny Ludlum	SA 182 ty 304 CRES
Protective system safe ends	Allegheny Ludlum	SA 336 ty 304 CRES
Instrument nozzles	International Nickel	SB 166
Instrument nozzle safe ends	Allegheny Ludlum	SA 336 ty 304 CRES
Protective system nozzles	International Nickel	SB 166
Core differential pressure nozzles	International Nickel	SB 166
Core support cone	International Nickel	EB 168
Recirculating nozzle forgings (inlet & outlet)	Cameron Iron	SA 336 & Code Case 1236
Nozzle safe ends	Standard Steel	SA 336 ty 304 CRES
Core spray safe ends	Pennsylvania Forge (Pennforge)	SA 183 ty 304 CRES
Steam outlet safe ends	Pennforge	SA 105 GR.2
Feedwater nozzle safe ends	Pennforge	SA 105 GR.2

OFFICE ▶					
SURNAME ▶					
DATE ▶					

<u>Material Description</u>	<u>Supplier</u>	<u>Specification</u>
Core differential pressure nozzle safe ends	Pennforge	SA 105 GR.2
Vessel closure studs	Crucible Steel	SA 193-GR 4340
Nuts and washers	Timken Roller Brg.	SA 193
Vessel internal brackets & lugs	G. O. Carlson	SA 240 ty 304 CRES
Vessel cladding	Tech Alloy	E 309 & E 308 Elc CRES
All other nozzles not shown above	Pennforge	SA 336 & Code Case 1236

OFFICE ▶						
SURNAME ▶						
DATE ▶						