

**From:** <john.hufnagel@exeloncorp.com>  
**To:** <DJA1@nrc.gov>  
**Date:** 08/16/2006 12:01:19 PM  
**Subject:** RE: RE: Oyster Creek - Some info on Penetrations

Donnie,

We looked at Jason's mark-up. Interestingly, in talking with Don W yesterday, he had a similar question but learned that the difference between the numbers Ahmed put in the "Pipe Diameter Inch" column are pipe diameters, whereas the numbers Jason and Don noted from the drawing are penetration diameters. We just did a quick verification and all the items that Jason identified in yellow in that column match up with what Don had also noted (with the explanation being pipe vs. penetration diameter).

The one item that Jason points out, however, related to the elevation for Penetration X-18 (ventilation intake) being 86' appears to be a valid catch. Ahmed and Tom Quintenz are not in today but we will double check with them tomorrow.

Please pass this back to Jason. Thanks.

- John.

-----Original Message-----

From: D. Ashley [mailto:DJA1@nrc.gov]  
Sent: Wednesday, August 16, 2006 11:34 AM  
To: Ouaou, Ahmed; Hufnagel Jr, John G  
Subject: Fwd: RE: Oyster Creek - Some info on Penetrations

Gentlemen  
See attached!  
Thanks  
-Donnie

>>> "Petti, Jason P" <jppetti@sandia.gov> 08/16/2006 >>>

Donnie

I've attached a modified version of the Penetration list you sent me this morning. A quick comparison of the pipe diameters listed with those in the penetration schedule from the structural drawings do not match. For example, penetration X-2A and X-2B are the main steam lines. The table sent by the plant given a diameter of 24 inches, while the structural drawings give a diameter of 36 inches. I have other references that give the diameter at 36 inches as well. Could you please pass on this inconsistency to them for clarification.

Thanks  
Jason

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From: D. Ashley [mailto:DJA1@nrc.gov]  
Sent: Wednesday, August 16, 2006 5:32 AM  
To: Petti, Jason P

Subject: Oyster Creek - Some info on Penetrations

Jason-

I hope that this information is helpful.  
The Licensee is still working on additional.

Thanks for your efforts on this project.

=====  
regards,

Donnie Ashley  
NRR/DLR/RLRA  
Oyster Creek  
License Renewal Project Manger  
301-415-3191  
dja1@nrc.gov

>>> <john.hufnagel@exeloncorp.com> 08/15/2006 >>>

Donnie,

Attached is a table that has elevation and azimuth information on the larger penetrations. Please pass on to Jason and let's set up a call for sometime later this week if possible. Ahmed is out at TMI for a plant walk down tomorrow, but we can perhaps discuss schedule for obtaining other information with Don W. Thanks.

- John.

<<Drywell Large Penetrations.doc>>

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**CC:** <ahmed.ouaou@exeloncorp.com>, <donald.warfel@exeloncorp.com>, <Tom.Quintenz@exeloncorp.com>

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**From:** <[john.hufnagel@exeloncorp.com](mailto:john.hufnagel@exeloncorp.com)>

**Created By:** [john.hufnagel@exeloncorp.com](mailto:john.hufnagel@exeloncorp.com)

**Recipients**

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 DJA1 (D. Ashley)

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Questions on Drywell Large Penetrations.doc		49664
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### DRYWELL PENETRATIONS 4 INCH DIAMETER AND LARGER

Penetration Number <sup>1</sup>	Pipe Diameter Inch	System Name <sup>1</sup>	Elevation Ft-In <sup>2</sup>	Azimuth Deg - min <sup>2</sup>	Load
X-1A, B	120	DW Personnel/Equip. Hatch	27 - 6	342 - 0	
X-2A	24 36	Main Steam	27 - 0	171 - 15	
X-2B	24 36	Main Steam	27 - 0	188 - 45	
X-3A	10 24	Isolation Condenser(steam supply)	90 - 0	10 - 30	
X-3B	10 24	Isolation Condenser(steam supply)	90 - 0	349 - 30	
X-4A	18 30	Feedwater	33 - 0	167 - 30	
X-4B	18 30	Feedwater	33 - 0	192 - 30	
X-5A	10 24	Isolation Condenser(Cond. return)	87 - 5	19 - 30	
X-5B	10 24	Isolation Condenser(Cond return)	87 - 5	340 - 30	
X-7	14 20?	Shutdown Cooling (Supply)	42 - 0	325 - 0	
X-8	14 20?	Shutdown Cooling (Return)	58 - 3	290 - 15	
X-9	6 22	Reactor cleanup (return)	62 - 0	85	
X-10	6 22	Reactor Cleanup (Supply)	62 - 0	95	
X-12B	8 22	Core Spray (Supply)	62 - 0	250 - 0	
X-70	8 16	Core Spray (Supply)	79 - 6	100 - 0	
X-18	18	Ventilation Intake	84 - 0 86	190 - 0	
X-19	18	Ventilation Exhaust	21 - 3	314 - 30	
X-20A	6 8?	DW closed Cooling (Supply)	47 - 6	5 - 0	
X-20B	6 8?	DW closed cooling (Return)	47 - 6	10 - 0	
X-63	14	Containment Spray (Supply)	62	330 - 0	
X-66	14 16	Containment Spray	27	38 - 0	

\_\_\_\_\_ highlighted regions are values found on Structural Drawing Sheet #2A Penetration Schedule

<sup>1</sup> Based on UFSAR Table 6.2-12

<sup>2</sup> Based on CB&I fabrication drawings 9-0971-Series