

Ring, Mark

From: Shear, Gary
Sent: Tuesday, August 14, 2012 6:04 AM
To: Ring, Mark
Cc: Giessner, John; Riemer, Kenneth; Cameron, Jamnes; Casto, Chuck; Kunowski, Michael; Lara, Julio; Duncan, Eric
Subject: FW: ACTION: Followup of list of NPPs with RPVs forged by Rotterdam Dockyards (RDM)

fyi

From: Hiland, Patrick
Sent: Monday, August 13, 2012 3:15 PM
To: McIntyre, David; Burnell, Scott
Cc: Wert, Leonard; Howell, Art; Pederson, Cynthia; Lew, David; Brown, Frederick; Ogle, Chuck; Roberts, Darrell; Miller, Chris; Rels, Terrence; Croteau, Rick; Ogle, Chuck; Munday, Joel; Reynolds, Steven; Shear, Gary; OBrien, Kenneth; Kennedy, Kriss; Vegel, Anton; Blount, Tom; Howe, Allen; Dorman, Dan; Boger, Bruce; Cheok, Michael; Hardies, Robert; Poehler, Jeffrey; Evans, Michele
Subject: FW: ACTION: Followup of list of NPPs with RPVs forged by Rotterdam Dockyards (RDM)

David/Scott, we've confirmed through DORL's direct conversations with licensees that 10 U.S. reactor vessels were manufactured at Rotterdam. Note that our list contains one plant not on the Belgium list (Watts Bar -2) and identification that contrary to the Belgium list, Quad Cities 1 was not manufactured by Rotterdam (see note).

Site/Unit(s)	Question: Were RPV(s) forged by Rotterdam Droogdok Maatschappij	Comments
Catawba 1	Yes	
McGulre 2	Yes	
North Anna 1	Yes	
North Anna 2	Yes	
Quad Cities 1	No	According to the attached Quad Cities UFSAR Section 5.3.1.2 and Manufacturing History, the Quad Cities, Unit 1 RPV was manufactured entirely by Babcock & Wilcox. The Unit 2 RPV history did not include any forging at Rotterdam (RDM), but did include assembly and welding on portions of the RPV at RDM.
Sequoyah 1&2	Yes	Section 5.4.2, first sentence (Page 5.4-2), of the SQN UFSAR states that "The reactor vessel manufactured by DeRotterdam Drogdak Mattschappu N.V. (The Rotterdam Dockyard Company) is cylindrical with a welded hemispherical bottom head and a removable, bolted flanged and gasketed, hemispherical upper head." So, to answer your question, Yes, the Sequoyah Units 1 and 2 reactor vessels are forged by Rotterdam Dockyards.
Surry 1	Yes	
Surry 2	Yes	
Watts Bar 1&2	Yes	

B/122