

From: 최경식(Kyoungsik Choi) 부장 두산중공업 [<mailto:kyoungsik.choi@doosan.com>]
Sent: Sunday, October 15, 2017 10:24 PM
To: Gascot Lozada, Ramon <Ramon.GascotLozada@nrc.gov>
Cc: 이동수(Dongsoo Lee) 상무 두산중공업 <ds.lee@doosan.com>; 박세완(Sewan Park) 상무 두산중공업 <sewan.park@doosan.com>; 허남열(Namyeol Hur) 부장 두산중공업 <namyeol.hur@doosan.com>; 김용철(Yongchul Kim) 차장 두산중공업 <yong-chul.kim@doosan.com>; 이주호(Juho Lee) 부장 두산중공업 <juho.lee@doosan.com>; 정민수(Minsu Jeong) 차장 두산중공업 <minsuj.lee@doosan.com>; 김정선(Jeongsun Kim) 부장 두산중공업 <jeongsun.kim@doosan.com>; Kavanagh, Kerri <Kerri.Kavanagh@nrc.gov>; McIntyre, Richard <Richard.McIntyre@nrc.gov>; Burke, John <John.Burke@nrc.gov>; Ortega-Luciano, Jonathan <Jonathan.Ortega-Luciano@nrc.gov>; Sakadales, Antoinette <Antoinette.Sakadales@nrc.gov>; Musser, Randy <Randy.Musser@nrc.gov>
Subject: [External_Sender] FW: Response with regard to URI Doosan

Dear Lamon Gascot

As the review and check result with the responsible organization of Doosan and WEC, we provide the response as below.

So, please refer to the response below and the attached.

Please just let me informed if you have any further question or opinion.

Best Regards,

K.S.Choi

Doosan had long hard discussion with WEC to remove the additional tensile test requirements that are above ASME code requirements, but WEC currently notified that WEC decided that the testing requirement will be maintained, however on a case-by-case, WEC may permit manufactures to waive the tensile testing requirement at maximum PWHT time. WEC said that if at the time of new PO from WEC with this MPS requirement invoked and Doosan requests waiver from this requirement, WEC will invoke the material spec and the unincorporated E&DCR in a PO and no subsequent NCRs/DNs would be required.

Because the issue was caused that WEC imposed a requirement after material was already purchased meets code requirements and the DNs and E&DCR (see attachment) was signed off by WEC materials engineering allowing the use of the material, Doosan had

no problem to use the procured material for previous AP1000 projects and before procurement of the material for any future WEC projects,
Doosan has no choice but to issue the E&DCR to remove the additional tensile test requirements based on the WEC's policy.

With regard to "use-as-is" disposition for NCRs without adequate justification, if WEC's technical disposition for the NCRs shown in below is not adequate, Doosan as manufacturer has no solution to satisfy it and it should be clarified and solved by WEC.

"Using filler material, without the additional tensile tests, does not violate ASME Code requirements; the additional tensile test requirements were changed to make AP1000 construction more consistent between components. Therefore, using materials without the additional tensile testing will have no negative impact the form, fit, function, or structural integrity of ~"

최경식(Kyoung Sik Choi) / 부장(General Manager)
두산중공업(주) / 품질보증팀
Doosan Heavy Industries & Construction /
Quality Assurance Team
Tel. (Office) : +82-(0)55-278-3393
Mobile Phone : +82-(0)10-9335-2390