

## KHNPDCRAIsPEm Resource

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**From:** Ciocco, Jeff  
**Sent:** Monday, September 28, 2015 7:30 AM  
**To:** apr1400rai@khnp.co.kr; KHNPDCRAIsPEm Resource; Harry (Hyun Seung) Chang; Andy Jiyong Oh; Christopher Tyree  
**Cc:** Williams, Stephen; McCoppin, Michael; Olson, Bruce; Lee, Samuel  
**Subject:** APR1400 Design Certification Application RAI 231-8233 (11.03 - Gaseous Waste Management System)  
**Attachments:** APR1400 DC RAI 231 RPAC 8233.pdf; image001.jpg

KHNP,

The attachment contains the subject request for additional information (RAI). This RAI was sent to you in draft form. Your licensing review schedule assumes technically correct and complete responses within 30 days of receipt of RAIs. However, KHNP requests, and we grant, 45 days, to respond to this RAI. We may adjust the schedule accordingly.

Please submit your RAI response to the NRC Document Control Desk.

Thank you,

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**Hearing Identifier:** KHNP\_APR1400\_DCD\_RAI\_Public  
**Email Number:** 279

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**Subject:** APR1400 Design Certification Application RAI 231-8233 (11.03 - Gaseous Waste Management System)  
**Sent Date:** 9/28/2015 7:29:41 AM  
**Received Date:** 9/28/2015 7:29:43 AM  
**From:** Ciocco, Jeff  
**Created By:** Jeff.Ciocco@nrc.gov

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MESSAGE	631	9/28/2015 7:29:43 AM
APR1400 DC RAI 231 RPAC 8233.pdf		83221
image001.jpg	5040	

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## REQUEST FOR ADDITIONAL INFORMATION 231-8233

Issue Date: 09/28/2015

Application Title: APR1400 Design Certification Review – 52-046

Operating Company: Korea Hydro & Nuclear Power Co. Ltd.

Docket No. 52-046

Review Section: 11.03 - Gaseous Waste Management System

Application Section:

### QUESTIONS

11.03-8

GDC 61 as it relates to the control of releases to the environment. 10 CFR Part 20.1406 for minimization of contamination.

DCD section 11.3.1.3.b.3, states that, "For the APR1400, pipes less than 25mm (1in) are exempt from pressure testing provided the original system was pressure tested."

1. The staff is requesting the applicant to supply within the application the regulatory basis that provides this guidance to justify this statement made in the application.
2. The staff is requesting the justification for the exemption from pressure testing be included in DCD text, if applicable.
3. The staff is requesting the basis in order to gain an understanding that the applicant will be able to adequately control contamination and effluent releases to the environment in the event that piping less than 25 mm are not adequately tested.

Please address these items and provide a markup for the proposed DCD changes.

