

## **KHNPDCDRAIsPEm Resource**

---

**From:** Ciocco, Jeff  
**Sent:** Friday, April 22, 2016 12:31 PM  
**To:** apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Junggho Kim (jhokim082@gmail.com); Andy Jiyong Oh; Christopher Tyree  
**Cc:** Dinh, Thinh; Dias, Antonio; Umana, Jessica; Wunder, George; Williams, Donna  
**Subject:** APR1400 Design Certification Application RAI 468-8574 (09.05.08 - Emergency Diesel Engine Combustion Air Intake and Exhaust System)  
**Attachments:** APR1400 DC RAI 468 SPSB 8574.pdf

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,

Jeff Ciocco  
New Nuclear Reactor Licensing  
301.415.6391  
[jeff.ciocco@nrc.gov](mailto:jeff.ciocco@nrc.gov)



**Hearing Identifier:** KHNP\_APR1400\_DCD\_RAI\_Public  
**Email Number:** 520

**Mail Envelope Properties** (f9d1a941587b427f86334635ee9286bf)

**Subject:** APR1400 Design Certification Application RAI 468-8574 (09.05.08 - Emergency Diesel Engine Combustion Air Intake and Exhaust System)  
**Sent Date:** 4/22/2016 12:30:45 PM  
**Received Date:** 4/22/2016 12:30:46 PM  
**From:** Ciocco, Jeff

**Created By:** Jeff.Ciocco@nrc.gov

**Recipients:**

"Dinh, Think" <Think.Dinh@nrc.gov>  
Tracking Status: None  
"Dias, Antonio" <Antonio.Dias@nrc.gov>  
Tracking Status: None  
"Umana, Jessica" <Jessica.Umana@nrc.gov>  
Tracking Status: None  
"Wunder, George" <George.Wunder@nrc.gov>  
Tracking Status: None  
"Williams, Donna" <Donna.Williams@nrc.gov>  
Tracking Status: None  
"apr1400rai@khnp.co.kr" <apr1400rai@khnp.co.kr>  
Tracking Status: None  
"KHNPDCDRAIsPEM Resource" <KHNPDCDRAIsPEM.Resource@nrc.gov>  
Tracking Status: None  
"JungHo Kim (jhokim082@gmail.com)" <jhokim082@gmail.com>  
Tracking Status: None  
"Andy Jiyong Oh" <jiyong.oh5@gmail.com>  
Tracking Status: None  
"Christopher Tyree" <Christopher.tyree@aecom.com>  
Tracking Status: None

**Post Office:** HQPWMSMRS07.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	608	4/22/2016 12:30:46 PM
APR1400 DC RAI 468 SPSB 8574.pdf		95848
image001.jpg	5040	

**Options**

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

## REQUEST FOR ADDITIONAL INFORMATION 468-8574

Issue Date: 04/22/2016

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 09.05.08 - Emergency Diesel Engine Combustion Air Intake and Exhaust System

Application Section:

### QUESTIONS

09.05.08-4

In response to RAI 127-8010, Question 09.05.08-1, the applicant stated that the emergency diesel engine combustion air intake and exhaust system (EDECAIES) is designed in accordance with Diesel Engine Manufacturers Association (DEMA) code. However, in the proposed revised description, the applicant provided generically that system components and piping are tested per "manufacturer's standard for safety-related items". Furthermore, the DEMA code was last revised in 1972, and DEMA is no longer an active association.

The applicant is requested to clarify and/or confirm the specific standard or code used in designing the EDECAIES.



United States Nuclear Regulatory Commission

*Protecting People and the Environment*