

## AP1000DCDFileNPEm Resource

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**From:** Loza, Paul G. [lozapg@westinghouse.com]  
**Sent:** Friday, November 14, 2008 1:20 PM  
**To:** Eileen McKenna  
**Cc:** Perry Buckberg; Rhonda Carmon  
**Subject:** FW: DCD Rev. 17 SRP Section 15 RAIs  
**Attachments:** AP1000 DCD Revision 17 15.6.5RAI (2).doc

Hi Phyllis,

I acknowledge receipt of the additional 2 attached RAIs on SRP15.6.5.

I will let you know as soon as possible if a clarification call is necessary.

Thanks.

Paul Loza

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**From:** Phyllis Clark [mailto:Phyllis.Clark@nrc.gov]  
**Sent:** Thursday, November 13, 2008 5:36 AM  
**To:** Loza, Paul G.  
**Cc:** Eileen McKenna  
**Subject:** DCD Rev. 17 SRP Section 15 RAIs

Hi Paul,

As a result of a review for Chapter 15 of the DCD Revision 17, two SRP Section 15.6.5 RAIs have been generated. Please acknowledge receipt of these RAIs and let me know if conference calls are needed for clarification.

Thanks,

Phyllis

**Hearing Identifier:** AP1000\_DCD\_Review  
**Email Number:** 136

**Mail Envelope Properties** (E501235702183E47BF44683A3B6A192901385C0FAA82)

**Subject:** FW: DCD Rev. 17 SRP Section 15 RAIs  
**Sent Date:** 11/14/2008 1:20:26 PM  
**Received Date:** 11/14/2008 1:20:31 PM  
**From:** Loza, Paul G.

**Created By:** lozapg@westinghouse.com

**Recipients:**

"Perry Buckberg" <Perry.Buckberg@nrc.gov>  
Tracking Status: None  
"Rhonda Carmon" <Rhonda.Carmon@nrc.gov>  
Tracking Status: None  
"Eileen McKenna" <Eileen.McKenna@nrc.gov>  
Tracking Status: None

**Post Office:** SWEC9966.w-intra.net

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	679	11/14/2008 1:20:31 PM
AP1000 DCD Revision 17 15.6.5RAI (2).doc		20544

**Options**

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

## **AP1000 DCD Revision 17 RAIs**

### **RAI-SRP-15.6.5-RSAC-01**

In Table 15.6.5-3, "Radiological Consequences of a Loss-of-Coolant Accident with Core Melt," of the AP1000 DCD, Revisions 15 and 17, you provided the low population zone (LPZ) doses as 23.4 and 23.8 rem TEDE, respectively. You have used the same atmospheric dispersion factors for the LPZ and the same parameters and assumptions for the radiological analysis in both revisions. Explain the discrepancy in these two LPZ doses in the revisions 15 and 17.

### **RAI-SRP-15.6.5-RSAC-02**

In Chapter 15, "Accident Analyses," of the AP1000 DCD, you provided the radiological consequence doses for the design basis accidents in various sections of Chapter 15. Provide the revised radiological consequence doses for all design basis accidents listed in the AP1000 DCD that are based on the atmospheric dispersion factors provided in DCD Revision 17.