

## **Davis-BesseHearingFile Resource**

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**From:** CuadradoDeJesus, Samuel  
**Sent:** Tuesday, October 11, 2011 5:32 PM  
**To:** Sheikh, Abdul; Lehman, Bryce  
**Cc:** Davis-BesseHearingFile Resource  
**Subject:** FW: Davis-Besse Shield Building Crack  
**Attachments:** CR 2011-03346.pdf

FYI

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**From:** Jose, Benny  
**Sent:** Tuesday, October 11, 2011 4:50 PM  
**To:** CuadradoDeJesus, Samuel  
**Subject:** FW: Davis-Besse Shield Building Crack

FYI

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**From:** Stone, AnnMarie  
**Sent:** Tuesday, October 11, 2011 3:38 PM  
**To:** Jose, Benny  
**Subject:** FW: Davis-Besse Shield Building Crack

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**From:** Wilson, Adam  
**Sent:** Tuesday, October 11, 2011 10:37 AM  
**To:** Smagacz, Phillip; Kimble, Daniel  
**Cc:** Steffes, Jakob; Rutkowski, John; Cameron, Jamnes; Briley, Thomas; Stone, AnnMarie; Holmberg, Mel; Neurauter, James; Mitlyng, Viktoria; Chandrathil, Prema  
**Subject:** RE: Davis-Besse Shield Building Crack

Here is the CR the licensee wrote, which gives some of the detail of the size of the crack.

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**From:** Smagacz, Phillip  
**Sent:** Tuesday, October 11, 2011 10:03 AM  
**To:** Wilson, Adam; Kimble, Daniel  
**Cc:** Steffes, Jakob; Rutkowski, John; Cameron, Jamnes; Briley, Thomas  
**Subject:** Davis-Besse Shield Building Crack

Gentlemen,

I had a request from Ann-Marie Stone to include her in any email traffic/discussion regarding the shield building crack since it may have implications for license renewal.

Thanks,  
Phillip Smagacz  
Reactor Engineer  
RIII/DRP-PB6  
(630) 829-9832  
[phillip.smagacz@nrc.gov](mailto:phillip.smagacz@nrc.gov)

D/10

<b>Header</b>						
CR Identifier	Origination Date	Owning Organization	Originator Department			
CR-2011-03346	10/10/2011	DB-EN	FL-PR-DBSG			
Site	Unit	Category				
G201	1	AA				
<b>Title</b>						
Fractured Concrete Found at 17M Shield Building Construction Opening						
Discover Date	Discover Time	Event Date	Event Time			
10/10/2011	20:21	10/10/2011	20:21			
Functional Location - System		Functional Location				
Equipment Description		AP-913	EP Equipment			
Identified By		QA Finding?	SRO Review Required by			
Individual		No	Initially Skipped			
			No			
<b>Condition Report</b>						
<b>Description of Condition and Probable Cause</b>						
During Hydro-demolition operations of the concrete at the outer layer of steel reinforcement, fractured concrete was found. Fracture lines were identified at the bottom of the opening near the left corner (facing inward), at the top of the opening at the upper left corner (facing inward), and at the left side of the opening (facing inward) a vertical crack along the inner layer of rebar was found.						
<b>Immediate Actions Taken</b>						
A Bechtel Condition Report (25539-000-GCA-GAMG-00182) was written to identify this condition. FENOC SGR Project Manager and Design Engineering Manager were notified. FENOC Design Engineering and project personnel with Bechtel inspected the condition.						
<b>Recommended Actions</b>						
<b>Initial Review</b>						
<b>Contact</b>						
hook						
<b>Supervisor Comments</b>						
Inspected the construction opening. A small crack (in width) is located along the left side of the opening and is also present for approximately 8 feet along the top of the opening until it diminishes. The crack is located adjacent to the "architectural flute" area on the outside (reference drawing C-110 Detail 1). The hydro demolition has removed the concrete past the location of the crack. Therefore, continuing hydro demolition will not impact the crack. The crack will still be available for inspection / investigation. Therefore, it is recommended that hydro demolition activity can proceed.						
<b>Is this a consequential Human Performance Error/Event which requires a Quick Human Performance Checklist?</b>		<b>SRO Review Required?</b>				
No		Yes				
<b>Event Codes</b>						
Event Code						
EQ03; Structural						
<b>Activity / Process/ Cause Codes</b>						
Activity Code	Related Process Code	Cause Code Data	Component Type	Component Number	Related Corrective Actions	
1500; Equipment Qualification and Asset Maintenance	CC0					
<b>Workbook Events</b>						
Event	Status	Assigned to	Created by	Created on	Finished by	Finished on
Initiate	Completed	Wallis, James	Wallis, James	10/10/2011 20:52 EDT	Wallis, James	10/10/2011 20:52 EDT
Supervisor Review	Completed	Hook, Jon	Wallis, James	10/10/2011 20:52 EDT	Hook, Jon	10/10/2011 21:37 EDT
SRO Review	Working	CR Holding Tank	Hook, Jon	10/10/2011 21:37 EDT		