

ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Friday, May 03, 2013 2:32 PM
To: Snyder, Amy
Cc: Gleaves, Bill; HOLM Jerald (EXTERNAL AREVA)
Subject: PUBLIC Version of the AREVA NP ACRS GSI-191 Presentation on May 7, 2013 - Part 4 of 6
Attachments: ACRS GSI-191 May 2013 NonProprietary_Part4.pdf

Amy,

Attached is the Public (Non-Proprietary) version of the AREVA NP ACRS GSI-191 Presentation for next week (May 7th) - Part 4 of 6.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
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From: WILLIFORD Dennis (RS/NB)
Sent: Friday, May 03, 2013 2:30 PM
To: Amy.Snyder@nrc.gov
Cc: bill.gleaves@nrc.gov; HOLM Jerald (External RS/NB)
Subject: PUBLIC Version of the AREVA NP ACRS GSI-191 Presentation on May 7, 2013 - Part 3 of 6

Amy,

Attached is the Public (Non-Proprietary) version of the AREVA NP ACRS GSI-191 Presentation for next week (May 7th) - Part 3 of 6.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
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Phone: 704-805-2223
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From: WILLIFORD Dennis (RS/NB)
Sent: Friday, May 03, 2013 2:27 PM
To: Amy.Snyder@nrc.gov
Cc: bill.gleaves@nrc.gov; HOLM Jerald (External RS/NB)
Subject: PUBLIC Version of the AREVA NP ACRS GSI-191 Presentation on May 7, 2013 - Part 2 of 6

Amy,

Attached is the Public (Non-Proprietary) version of the AREVA NP ACRS GSI-191 Presentation for next week (May 7th) - Part 2 of 6.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
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From: WILLIFORD Dennis (RS/NB)
Sent: Friday, May 03, 2013 2:21 PM
To: Amy.Snyder@nrc.gov
Cc: bill.gleaves@nrc.gov; HOLM Jerald (External RS/NB)
Subject: PUBLIC Version of the AREVA NP ACRS GSI-191 Presentation on May 7, 2013 - Part 1 of 6

Amy,

Attached is the Public (Non-Proprietary) version of the AREVA NP ACRS GSI-191 Presentation for next week (May 7th) - Part 1 of 6. The remaining parts will be provided in subsequent e-mails.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
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From: WILLIFORD Dennis (RS/NB)
Sent: Friday, May 03, 2013 1:18 PM
To: Amy.Snyder@nrc.gov; kathy.weaver@nrc.gov
Cc: bill.gleaves@nrc.gov; HOLM Jerald (External RS/NB)
Subject: PROPRIETARY Version of the AREVA NP ACRS GSI-191 Presentation on May 7, 2013 - Part 1 of 6

Amy and Kathy,

Attached is the Proprietary version of the AREVA NP ACRS GSI-191 Presentation for next week (May 7th) - Part 1 of 6. The remaining parts will be provided in subsequent e-mails, along with E-mails to provide the Public version. Because AREVA NP believes some of the material is PROPRIETARY, an affidavit to withhold from public disclosure in accordance with 10 CFR 2.390 is provided. This is the same affidavit used for the March ACRS meeting – which was subsequently rescheduled due to May 7th - due to weather conditions.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262

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Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 4415

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Subject: PUBLIC Version of the AREVA NP ACRS GSI-191 Presentation on May 7, 2013
- Part 4 of 6
Sent Date: 5/3/2013 2:32:20 PM
Received Date: 5/3/2013 2:33:55 PM
From: WILLIFORD Dennis (AREVA)

Created By: Dennis.Williford@areva.com

Recipients:

"Gleaves, Bill" <Bill.Gleaves@nrc.gov>
Tracking Status: None
"HOLM Jerald (EXTERNAL AREVA)" <Jerald.Holm.ext@areva.com>
Tracking Status: None
"Snyder, Amy" <Amy.Snyder@nrc.gov>
Tracking Status: None

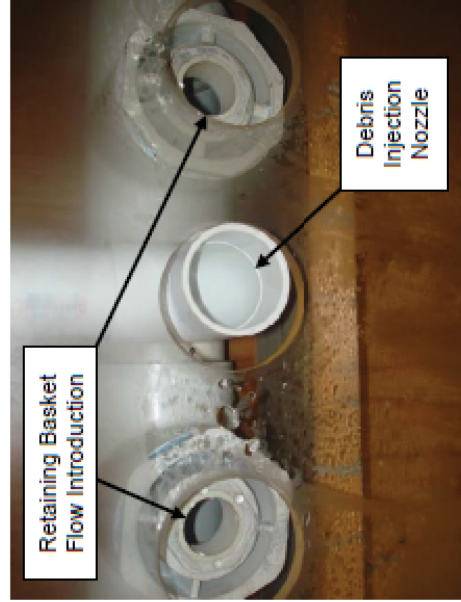
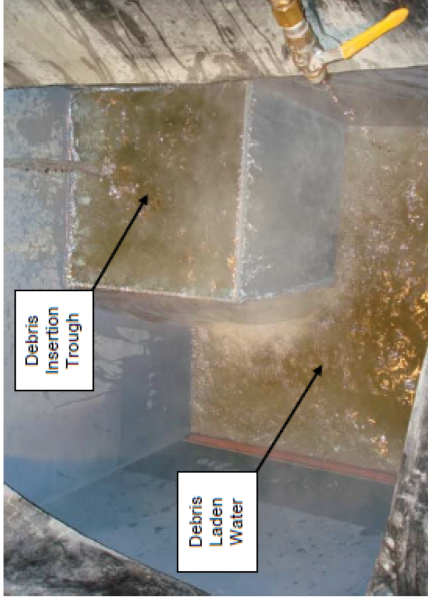
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ACRS GSI-191 May 2013 NonProprietary_Part4.pdf		5534388

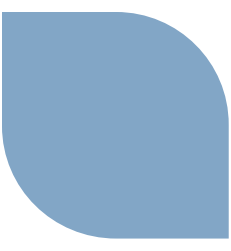
Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
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Test Facility



Debris



- ▶ **100% particulate and fiber debris transport to the basket**
- ▶ **Maintained debris per strainer filtering surface area**
- ▶ **Introduction sequence in accordance with NRC approved methodologies**
- ▶ **Particulate Debris**
 - ◆ **Wetted (Except Dirt and Dust)**
- ▶ **Latent Fiber**
 - ◆ **Baked NUKON® Fiber processed through shredder**
- ▶ **Coating chips**
- ▶ **Chemical Precipitants**
 - ◆ **Calcium Phosphate**
 - ◆ **Aluminum Oxyhydroxide**

Results

Head Loss Summary (Jan 2011)

Test #	Retaining Basket	Strainer	Strainer increase in dP (ft of water)	Basket water level rise (ft)
Test 1D	0.08" M	0.08" M	0	2.4
Test 1E	0.08" M	0.08" M	0	2.4

Bypass Test Summary (Jan 2011)

Test #	Retaining Basket	Strainer	First 25% of debris bypass	Total Bypass
Test 2E	0.08" M	0.08" M	62.1%	69.6%
Test 2F	0.08" M	0.08" M	67.0%	68.7%

Head Loss Test Results

- ▶ **Test 1D / 1E**
- ▶ **Debris addition did not increase the measured strainer differential pressure**

