

## Oelstrom, Chad

---

**From:** SALTER, JAMES FINDLAY <JAMES.SALTER@scana.com>  
**Sent:** Thursday, March 12, 2015 2:11 PM  
**To:** Michel(R2), Eric  
**Cc:** Donnelly, Patrick; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; 'Baucom, Charles'; Oelstrom, Chad  
**Subject:** RE: SIT Information request 3-9-15

Eric,

Per our conversation I will send you an update status email on Monday. There is no need for a phone call.

Thanks,

Findlay Salter  
(803) 941-9855

---

**From:** Michel(R2), Eric [mailto:Eric.MichelR2@nrc.gov]  
**Sent:** Thursday, March 12, 2015 1:26 PM  
**To:** SALTER, JAMES FINDLAY  
**Cc:** Donnelly, Patrick; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; 'Baucom, Charles'; Oelstrom, Chad  
**Subject:** RE: SIT Information request 3-9-15

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---

Findlay,

10:00 would be better.

Eric

---

**From:** SALTER, JAMES FINDLAY [mailto:JAMES.SALTER@scana.com]  
**Sent:** Thursday, March 12, 2015 1:16 PM  
**To:** Michel(R2), Eric  
**Cc:** Donnelly, Patrick; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; 'Baucom, Charles'; Oelstrom, Chad; SALTER, JAMES FINDLAY  
**Subject:** RE: SIT Information request 3-9-15

Eric,

I'd like to set up a touch point call for Monday Morning. Does 11 AM work for you?

Findlay

---

**From:** SALTER, JAMES FINDLAY  
**Sent:** Tuesday, March 10, 2015 5:22 PM  
**To:** 'Michel(R2), Eric'  
**Cc:** Donnelly, Patrick; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; CATLEDGE, JOHN THOMAS; 'McIntyre, Brian A'; RICE, APRIL R; 'edward.wills@cbi.com'; 'Baucom, Charles'; Oelstrom, Chad; Heisserer, Jamie  
**Subject:** RE: SIT Information request 3-9-15

Eric,

Site Design Engineering is targeting 3/16 for completion of Disposition for VS2-CR01-GNR-000279, -293, -294, and -295.

I will plan to touch base Monday morning.

Findlay Salter  
(803) 941-9855

---

**From:** Michel(R2), Eric [<mailto:Eric.MichelR2@nrc.gov>]  
**Sent:** Tuesday, March 10, 2015 9:32 AM  
**To:** SALTER, JAMES FINDLAY  
**Cc:** Donnelly, Patrick; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; CATLEDGE, JOHN THOMAS; 'McIntyre, Brian A'; RICE, APRIL R; 'edward.wills@cbi.com'; 'Baucom, Charles'; Oelstrom, Chad; Heisserer, Jamie  
**Subject:** RE: SIT Information request 3-9-15

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---

Findlay,

Thanks, this is very helpful. Can we ask for an update on Monday 3/16 to see if anything has changed? It would also help to get rough dates when the actions for the N&Ds for the holes will be completed. Again, those dates would be for our planning purposes only. Thanks.

Eric

---

**From:** SALTER, JAMES FINDLAY [<mailto:JAMES.SALTER@scana.com>]  
**Sent:** Monday, March 09, 2015 4:11 PM  
**To:** SALTER, JAMES FINDLAY; Michel(R2), Eric; Oelstrom, Chad  
**Cc:** Donnelly, Patrick; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; CATLEDGE, JOHN THOMAS; 'McIntyre, Brian A'; RICE, APRIL R; 'edward.wills@cbi.com'; 'Baucom, Charles'  
**Subject:** RE: SIT Information request 3-9-15

CORRECTION

---

**From:** SALTER, JAMES FINDLAY  
**Sent:** Monday, March 09, 2015 3:48 PM  
**To:** 'Michel(R2), Eric'; 'Oelstrom, Chad'  
**Cc:** 'Donnelly, Patrick'; SANDERS, GARRETT R; 'Ewing, Jerrod A.'; 'Cole, Joseph A'; YOUNG, KYLE MATTHEW; CATLEDGE,



JOHN THOMAS; McIntyre, Brian A; RICE, APRIL R; 'edward.wills@cbl.com'; Baucom, Charles

**Subject:** SIT Information request 3-9-15

Eric,

Per our conversation this morning:

1. RCA finalization: RCA team is targeting Friday, MARCH 20, as the completion (Final sign off) of the RCA.
2. CV Cores Disposition Update: See attached table for information concerning the CV Core holes.

The outstanding core locations were recently logically grouped and new N&Ds written to facilitate the retrieval of as-built information. The N&Ds will reference each other and will consider cumulative effects of these and other nonconformances.

As you'll see in the table, we're still in the process of gathering information at four locations (D3, D6 and D7). The information gathering process may lead to re-coring. The extent of those efforts has not yet been defined. As part of excavation D4 and D5 have been exposed for inspection. The cut #11 radial bar in R1 has been dispositioned as abandon in place.

I understand you have been able to review CB&I Services repair documentation.

Let me know if you need anything additional,

**J. Findlay Salter, EIT**  
Associate Engineer  
New Nuclear Deployment - Licensing  
**SCE&G** | V.C. Summer Nuclear Station  
P.O. Box 88 | MC 846  
Jenkinsville, SC 29065-0088  
803.941.9855 Office  
[james.salter@scana.com](mailto:james.salter@scana.com)



## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Thursday, March 12, 2015 7:08 AM  
**To:** Michel(R2), Eric  
**Subject:** FW: CVBH repair photos  
**Attachments:** IMG\_20150309\_162337.jpg; IMG\_20150309\_155351.jpg

Eric,  
Attached are before and after photos of the CVBH repair.

---

**From:** SALTER, JAMES FINDLAY [mailto:JAMES.SALTER@scana.com]  
**Sent:** Wednesday, March 11, 2015 4:21 PM  
**To:** Oelstrom, Chad  
**Subject:** FW: CVBH repair photos

These are cleared for your use.

Page 345 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 346 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** SALTER, JAMES FINDLAY <JAMES.SALTER@scana.com>  
**Sent:** Wednesday, March 11, 2015 4:21 PM  
**To:** Oelstrom, Chad  
**Subject:** FW: CVBH repair photos  
**Attachments:** IMG\_20150309\_162337.jpg; IMG\_20150309\_155351.jpg

These are cleared for your use.

---

**From:** CATLEDGE, JOHN THOMAS  
**Sent:** Monday, March 09, 2015 6:26 PM  
**To:** SALTER, JAMES FINDLAY  
**Cc:** GIBBONS, PATRICK BLAKE; YOUNG, KYLE MATTHEW  
**Subject:** CVBH repair photos

Findlay,

Attached are the before and after photos taken while CBIS were performing the repair to the CVBH.

Can you provide the attachments to NRC Chad Oelstrom?

Thanks,

**John Catledge**

New Nuclear Deployment  
**SCE&G** | V.C. Summer Nuclear Station  
P.O. Box 88 | MC P-40  
Jenkinsville, SC 29065-0088  
803.941.9992 Office  
(b)(6) Cell  
803.931.5134 Fax  
[John.Catledge@scana.com](mailto:John.Catledge@scana.com)  
[www.SCANA.com](http://www.SCANA.com)



Page 348 of 960

Withheld pursuant to exemption

Duplicate Record

of the Freedom of Information and Privacy Act

Page 349 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** SALTER, JAMES FINDLAY <JAMES.SALTER@scana.com>  
**Sent:** Monday, March 09, 2015 1:45 PM  
**To:** Oelstrom, Chad  
**Subject:** RE: Photo email 4 of 4

Chad,

All the photos you provided were approved for release.

Thanks.  
Findlay

---

**From:** Oelstrom, Chad [mailto:Chad.Oelstrom@nrc.gov]  
**Sent:** Wednesday, March 04, 2015 12:19 PM  
**To:** SALTER, JAMES FINDLAY  
**Subject:** RE: Photo email 4 of 4

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---

Ignore that photo. Should not have been included.

---

**From:** SALTER, JAMES FINDLAY [mailto:JAMES.SALTER@scana.com]  
**Sent:** Wednesday, March 04, 2015 12:18 PM  
**To:** Oelstrom, Chad  
**Subject:** RE: Photo email 4 of 4

I've received the 4 emails. What exactly are we looking at in picture #428 on email 4 of 4?

---

**From:** Oelstrom, Chad [mailto:Chad.Oelstrom@nrc.gov]  
**Sent:** Wednesday, March 04, 2015 12:12 PM  
**To:** SALTER, JAMES FINDLAY  
**Subject:** Photo email 4 of 4

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---



## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Monday, March 09, 2015 1:35 PM  
**To:** Michel(R2), Eric  
**Subject:** RE: Signed copy of Traveller "A2-CVBH-Ni Core Hole R1"

Thanks.

---

**From:** Michel(R2), Eric  
**Sent:** Monday, March 09, 2015 1:26 PM  
**To:** Oelstrom, Chad  
**Subject:** RE: Signed copy of Traveller "A2-CVBH-Ni Core Hole R1"

Took a look.

- Don't see any prep steps for surface conditioning prior to UT. Maybe that's in the UT procedure – CMS-830-15-PR-45169?
- To me 4C is probably one of the more important steps, but not sure which reference establishes the min thickness; none look like what I'd expect. Might be worth asking.
- They grind the defect out in step 3, but no UT thickness measurement is done immediately following if weld repairs are required. Looks like they weld without UTing, then in step 8 they need to make a determination if the depth of the repair exceeded 3/8" or 10% of material thickness. Not sure how they're going to make that assessment without having done a UT prior to welding.

Give me a call if you have any questions.

Eric

---

**From:** Oelstrom, Chad  
**Sent:** Monday, March 09, 2015 12:54 PM  
**To:** Michel(R2), Eric  
**Subject:** FW: Signed copy of Traveller "A2-CVBH-Ni Core Hole R1"

Please let me know by 1:45 pm if you have comments or questions.

---

**From:** Donnelly, Patrick  
**Sent:** Monday, March 09, 2015 12:52 PM  
**To:** Oelstrom, Chad  
**Subject:** FW: Signed copy of Traveller "A2-CVBH-Ni Core Hole R1"

FYI

Patrick Donnelly  
V.C. Summer Resident Inspector  
(803)345-6856

---

**From:** CATLEDGE, JOHN THOMAS [<mailto:JOHN.CATLEDGE@scana.com>]  
**Sent:** Monday, March 09, 2015 12:16 PM  
**To:** DONNELLY, PATRICK B; Donnelly, Patrick  
**Cc:** YOUNG, KYLE MATTHEW; GIBBONS, PATRICK BLAKE; SALTER, JAMES FINDLAY  
**Subject:** FW: Signed copy of Traveller "A2-CVBH-Ni Core Hole R1"

Patrick,

Per your request, see attachment for signed copy of CBIS traveler for the CVBH repair.

Thanks,

**John Catledge**

New Nuclear Deployment

**SCE&G** | V.C. Summer Nuclear Station

P.O. Box 88 | MC P-40

Jenkinsville, SC 29065-0088

803.941.9992 Office

(b)(6) Cell

803.931.5134 Fax

[John.Catledge@scana.com](mailto:John.Catledge@scana.com)

[www.SCANA.com](http://www.SCANA.com)



---

**From:** Robert W Driscoll [<mailto:RWDDriscoll@cbl.com>]

**Sent:** Monday, March 09, 2015 12:08 PM

**To:** CATLEDGE, JOHN THOMAS

**Cc:** [drakega@westinghouse.com](mailto:drakega@westinghouse.com); [biancoj@westinghouse.com](mailto:biancoj@westinghouse.com); [garyld@westinghouse.com](mailto:garyld@westinghouse.com); Paul J Fleming; Loni LaPlante

**Subject:** Signed copy of Traveller "A2-CVBH-Ni Core Hole R1"

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

John.

Attached is the signed copy of Traveller "A2-CVBH-Ni Core Hole R1".

If you have any questions please do not hesitate to call.

Only minor changes (typos).

Bob



**Robert W Driscoll**

Quality Manager

Steel Plate Structures

803-345-7171

(b)(6)

803-345-7210

[rwdriscoll@CBI.com](mailto:rwdriscoll@CBI.com)

CB&I

CB&I Services, Inc.

14368 State Hwy 213

Jenkinsville, SC 29065

[www.CBI.com](http://www.CBI.com)

~~This e-mail and any attached files may contain CB&I (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.~~

Page 354 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 355 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 356 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 357 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 358 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 359 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Donnelly, Patrick  
**Sent:** Monday, March 09, 2015 12:12 PM  
**To:** Heisserer, Jamie; Oelstrom, Chad; OBryan, Phil; Michel(R2), Eric  
**Cc:** Ernstes, Michael  
**Subject:** Update on CVBH excavation  
**Attachments:** VS2-1110-GNR-000011.pdf; CVBH Excavation.pptx; Excavation Plan.pdf

Jamie, et al-

I've attached the full N&D that describes the excavation, I pulled out a few pages to provide to management, and I've included slides with photos of the excavation.

The plan moving forward is to remove the standing water in the excavation and perform an inspection of the gouge. SCE&G wants to inspect the gouge themselves and review the completed CB&I Services traveler (document Services will work to for the repair of the CVBH) before they will submit a letter to the consortium allowing the repair work to take place. We expect the inspection to take place today, SCE&G to submit their letter by tomorrow and work to start soon after. Preliminary inspections measured the depth of the gouge to be approximately 1/8" and the assumed thickness of the plate is approximately 1.7", leaving plenty of material to meet the design thickness. i.e. we do not anticipate a need for a weld buildup/repair, only grinding the gouge flush.

CB&I Power has decided to create 3 new N&Ds to disposition the core locations for cut safety-related rebar. R1 was already covered in the attached disposition (WEC is allowing CB&I services to cut out 11" of the rebar and they have run calculations that it may remain cut). VS2-CR01-GNR-000279 will cover D4 and D5, the dowel locations included in the excavation. VS2-CR01-GNR-000293 will cover D1. -000294 will cover D2 and D3. -000295 will cover D6 and D7. Expected completion date for the above mentioned N&Ds is 3/15.

Let me know if you have any questions.

### Patrick Donnelly

Construction Resident Inspector  
US NRC - V.C. Summer Units 2 & 3  
Patrick.Donnelly@NRC.gov  
O: 803-345-6856  
C: (b)(6)

Page 361 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 362 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 363 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 364 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 365 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 366 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 367 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 368 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 369 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 370 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 371 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 372 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 373 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 374 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 375 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 376 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 377 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 378 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 379 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 380 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 381 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 382 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 383 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 384 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 385 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 386 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 387 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 388 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 389 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 390 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 391 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 392 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 393 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 394 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 395 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 396 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 397 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Monday, March 09, 2015 11:29 AM  
**To:** Michel(R2), Eric; OBryan, Phil  
**Subject:** RE: Update from Findlay

I was not able to attend the OCC this morning but Patrick Donnelly did attend. They plan to have the dispositions completed by march 15.

---

**From:** Michel(R2), Eric  
**Sent:** Monday, March 09, 2015 10:35 AM  
**To:** Oelstrom, Chad; OBryan, Phil  
**Subject:** Update from Findlay

Just a quick update. I spoke with Findlay this morning, and asked him to put together some simple, high level descriptions of where they stand with respect to evaluating each of the holes, and the milestones for the root cause. I'll share that as soon as I have it. No discussions of briefing anyone yet until we actually close the SIT.

Eric



## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Monday, March 09, 2015 9:14 AM  
**To:** Michel(R2), Eric  
**Subject:** RE: Findlay phone number

**J. Findlay Salter, EIT**

Associate Engineer  
New Nuclear Deployment - Licensing  
SCE&G | V.C. Summer Nuclear Station  
P.O. Box 88 | MC 846  
Jenkinsville, SC 29065-0088  
803.941.9855 Office  
[james.salter@scana.com](mailto:james.salter@scana.com)



---

**From:** Michel(R2), Eric  
**Sent:** Monday, March 09, 2015 7:06 AM  
**To:** Oelstrom, Chad  
**Subject:** Findlay phone number

Chad,

Can you send me Findlay's contact info? I want to touch base with him regarding the root cause eval and rebar engineering evaluation. Any updates regarding the excavation and/or repairs? Thanks.

Eric

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Monday, March 09, 2015 10:21 AM  
**To:** Michel(R2), Eric  
**Subject:** RE 'Findlay' phone number

Excavation complete. Patrick is at the OCC meeting. Once he gets back I will have an update on the repairs and dispositions.

---

**From:** Michel(R2), Eric  
**Sent:** Monday, March 09, 2015 7:06 AM  
**To:** Oelstrom, Chad  
**Subject:** Findlay phone number

Chad,

Can you send me 'Findlay's' contact info? I want to touch base with him regarding the root cause eval and rebar engineering evaluation. Any updates regarding the excavation and/or repairs? Thanks.

Eric

**Steddenbenz, Katherine**

---

**From:** Heisserer, Jamie  
**Sent:** Monday, March 09, 2015 1:39 PM  
**To:** McCree, Victor; Brown, Frederick; Jones, William; Yerokun, Jimi  
**Cc:** Michel(R2), Eric  
**Subject:** FW: Update on CVBH excavation  
**Attachments:** CVBH Excavation.pptx; Excavation Plan.pdf

Good afternoon,

Patrick Donnelly and Eric Michel received some additional information on the status of CVBH repair and rebar disposition. The attached powerpoint shows pictures of the excavation, and the pdf file shows the excavation plan and dimensions.

Bottom line:

- Inspection of CVBH damage should occur today with approval to start repair soon thereafter. Work should be complete by 3/15.
- Dispositions of N&Ds for cut rebar expected by 3/15.

If you have any questions, please let us know.

**Jamie M. Heisserer**  
Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)  

(b)(6)

 (Cell)

---

**From:** Donnelly, Patrick  
**Sent:** Monday, March 09, 2015 12:12 PM  
**To:** Heisserer, Jamie; Oelstrom, Chad; OBryan, Phil; Michel(R2), Eric  
**Cc:** Ernestes, Michael  
**Subject:** Update on CVBH excavation

Jamie, et al-

I've attached the full N&D that describes the excavation, I pulled out a few pages to provide to management, and I've included slides with photos of the excavation.

The plan moving forward is to remove the standing water in the excavation and perform an inspection of the gouge. SCE&G wants to inspect the gouge themselves and review the completed CB&I Services traveler (document Services will work to for the repair of the CVBH) before they will submit a letter to the consortium allowing the repair work to take place. We expect the inspection to take place today, SCE&G to submit their letter by tomorrow and work to start soon after. Preliminary inspections measured the depth of the gouge to be approximately 1/8" and the assumed thickness of the plate is approximately 1.7", leaving plenty of material to meet the design thickness. i.e. we do not anticipate a need for a weld buildup/repair, only grinding the gouge flush.

CB&I Power has decided to create 3 new N&Ds to disposition the core locations for cut safety-related rebar. R1 was already covered in the attached disposition (WEC is allowing CB&I services to cut out 11" of the rebar and they have run calculations that it may remain cut). VS2-CR01-GNR-000279 will cover D4 and D5, the dowel locations included in the excavation. VS2-CR01-GNR-000293 will cover D1. -000294 will cover D2 and D3. -000295 will cover D6 and D7. Expected completion date for the above mentioned N&Ds is 3/15.

Let me know if you have any questions.

**Patrick Donnelly**

Construction Resident Inspector

US NRC - V.C. Summer Units 2 & 3

[Patrick.Donnelly@NRC.gov](mailto:Patrick.Donnelly@NRC.gov)

O: 803-345-6856

C: (b)(6)

## Heisserer, Jamie

---

**From:** Yerokun, Jimi  
**Sent:** Thursday, March 05, 2015 4:37 PM  
**To:** Heisserer, Jamie  
**Subject:** RE: SIT pros/cons

Thanks Jamie. In light of the licensee's plan to excavate in the period 3/5-3/11, maybe we can get better insights on their turnaround time for the engineering evaluation and RCE. Should help us pick an option. Travel safely.

---

**From:** Heisserer, Jamie  
**Sent:** Thursday, March 05, 2015 3:34 PM  
**To:** Yerokun, Jimi  
**Subject:** SIT pros/cons

Jimi –

Here is my simplest summary of the pros/cons of conducting the inspection under the auspices of the SIT or other inspection mechanisms:

**Objectives:**

1. Inspect engineering evaluation of cut/damaged rebar
2. Review root cause evaluation

**Options to meet objectives:**

1. Continue Special Inspection until completion of above objectives
  - a. Pros:
    - i. Most straightforward way of meeting charter, as written.
    - ii. Ensures team continuity for followup of items.
  - b. Cons:
    - i. Communication to public via inspection report delayed, depending on how long it takes the licensee to complete Objectives 1&2 and for inspection to occur.
    - ii. Potential to tie up team members and impact other inspection objectives
    - iii. Possible perception that the NRC is imposing a supplemental 90001 inspection vs a fact-finding special inspection
  - c. Additional action needed:
    - i. None – continue on current path. E. Michel will be in communication with VCS licensing to plan path forward.
2. Close Special Inspection and inspect under other processes (i.e. Regional ITAAC inspection, PI&R sample)
  - a. Pros:
    - i. Faster communication to public. SIT report will go out no later than 45 days from 2/27.
    - ii. Frees up currently obligated inspection resources sooner.
  - b. Cons:
    - i. Could cause confusion based on existing wording of charter.
  - c. Additional action needed:
    - i. Revise charter for clarity. J. Heisserer would talk to VCS licensing to understand when evaluations and RCE are complete and assign inspection resources

If the turnaround time on the engineering evaluations and RCE is short, there is not significant benefit to Option 2. However, if there is a significant time lapse before we can inspect the final two items, Option 2 should be considered for additional discussion.

If you would like me to amplify any of the above, please let me know.

**Jamie M. Heisserer**

Chief, Construction Inspection Branch 2

Region II - Division of Construction Inspection

U.S. Nuclear Regulatory Commission

(404) 997-4451 (Office)

(b)(6) (Cell)

Page 405 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 406 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Wednesday, March 04, 2015 12:11 PM  
**To:** SALTER, JAMES FINDLA'  
**Subject:** Photos email 2 of 4  
**Attachments:** CIMG0423.jpg; CIMG0424.jpg; CIMG0425.jpg

Page 408 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 409 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 410 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Wednesday, March 04, 2015 12:12 PM  
**To:** SALTER, JAMES FINDLAY  
**Subject:** Photo email 3 of 4  
**Attachments:** CIMG0426.jpg; CIMG0427.jpg

Page 412 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 413 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

**Oelstrom, Chad**

---

**From:** Oelstrom, Chad  
**Sent:** Wednesday, March 04, 2015 12:10 PM  
**To:** SALTER, JAMES FINDLAY  
**Subject:** Photos Email 1 of 4  
**Attachments:** CIMG0420.jpg; CIMG0421.JPG; CIMG0422.JPG

Findlay,

Attached are the photos I would like you to review and release for NRC use. Let me know if you have any questions. There will be 4 emails.

Thanks,  
Chad



Page 415 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 416 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 417 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Donnelly, Patrick  
**Sent:** Wednesday, March 04, 2015 10:53 AM  
**To:** Oelstrom, Chad  
**Subject:** FW: R1 Concrete Demolition Plan  
**Attachments:** image001.pn; R1 Concrete demolition Plan 3-3-15.docx

---

From: CATLEDGE, JOHN THOMAS [JOHN.CATLEDGE@scana.com]  
Sent: Tuesday, March 03, 2015 5:25 PM  
To: Donnelly, Patrick  
Cc: TUNE, JOHN BRAD; GIBBONS, PATRICK BLAKE; YOUNG, KYLE MATTHEW; SALTER, JAMES FINDLAY  
Subject: Fw: R1 Concrete Demolition Plan

Patrick,

Attached is the final concrete demolition plan as you requested.

John Catledge  
New Nuclear Deployment  
SCE&G | V.C. Summer Nuclear Station  
P.O. Box 88 | MC P-40  
Jenkinsville, SC 29065-0088  
803.941.9992 Office  
(b)(6) Cell  
803.931.5134 Fax  
John.Catledge@scana.com  
www.SCANA.com

From: Drewett, George <george.drewett@cbi.com>  
Sent: Tuesday, March 3, 2015 5:16 PM  
To: Drake, Greg (Westinghouse); Arnall, John R; Sawicki, Jay; Fleming, Paul J; Fleetwood, Andrew S; Ervin John M.; Young, Todd; Gregory, Tyron E; Kenny, Natalie (Westinghouse); Yeliseyev, John; Tate, Terry L; Zimmers, Erik; Capitano, Charles J.; Sweidan, Basheer (Westinghouse); Krebs, Dan (Westinghouse); CATLEDGE, JOHN THOMAS; TUNE, JOHN BRAD; GIBBONS, PATRICK BLAKE; HERRING, THOMAS  
Cc: Biggs, Arthur; Blackburn, John F; Cagle, Justin; Craig, Stephen; Fields Jr, Jack; Gilbert, Mark A; Moore, Jackie; Patterson, Melvin C.; Price, Kenneth; Reaves, Shawn; Robinson, James; Sanders, Stanley L.; Tolive Samuel L.; Vine, Robert; Warmack, Johnny L.  
Subject: R1 Concrete Demolition Plan

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---

Here's the concrete demolition plan

Thanks,

[cid:image001.png@01D055D4.C3CF12E0]

George S. Drewett Jr. PE  
Concrete Manager  
Power

Tel: 1-803-932-5457<Tel:1-803-932-5457>

Cell: (b)(6)

george.drewett@cbi.com<mailto:george.drewett@cbi.com>

CB&I  
1162 State Highway 213  
Jenkinsville, SC 29065  
USA

www.CBI.com

~~This e-mail and any attached files may contain CB&I (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.~~

Page 420 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 421 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 422 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 423 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 424 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 425 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 426 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 427 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 428 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 429 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 430 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 431 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 432 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Wednesday, March 04, 2015 10:42 AM  
**To:** Donnelly, Patrick  
**Subject:** RE: Management Meeting Slides  
**Attachments:** 1st Quarter 2015 Management Meeting CNO Comments.pptx

See attached. I added Slide 6 - Remaining Actions. Not sure if we need to include that or not. If you want to delete it that is okay with me.

---

**From:** Donnelly, Patrick  
**Sent:** Tuesday, March 03, 2015 4:53 PM  
**To:** Chandler, Timothy; Karlovich, Nicholas; Oelstrom, Chad  
**Subject:** Management Meeting Slides

Hey Guys –

I've attached a rough draft of slides I plan to use to present to the management team that will be here Thursday morning.

I'd like Chad to discuss the SIT team observations have Tim touch on the counterfeit material, and I'll discuss licensee and consortium performance and areas of focus.

Please review and provide comment by COB tomorrow. I'm open to any suggestions, not just in what you're presenting. Feel free to make the changes and send the slides back to me.

Outside of Scope

### Patrick Donnelly

Construction Resident Inspector  
US NRC - V.C. Summer Units 2 & 3  
[Patrick.Donnelly@NRC.gov](mailto:Patrick.Donnelly@NRC.gov)  
O: 803-345-6856  
C: (b)(6)

---

## 1<sup>st</sup> Quarter 2015 Management Meeting

VC Summer Units 2 & 3

---

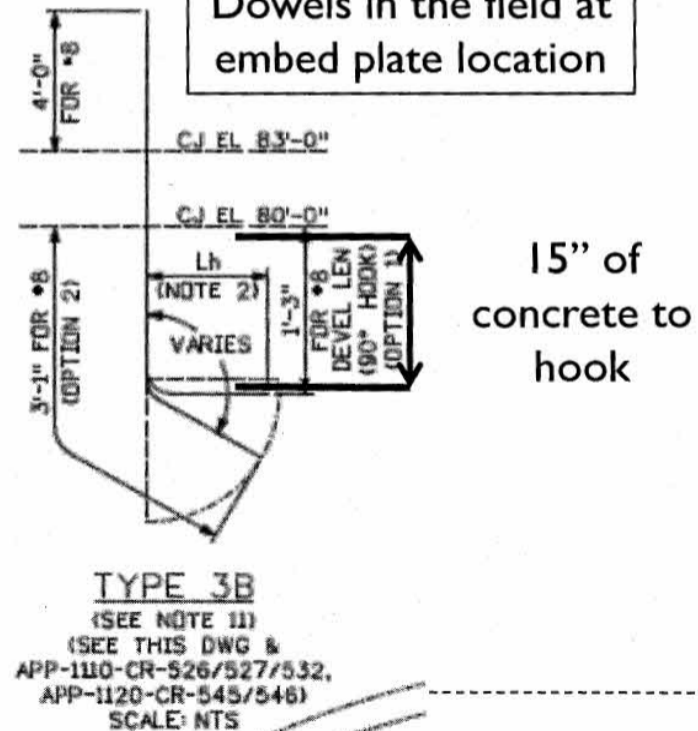
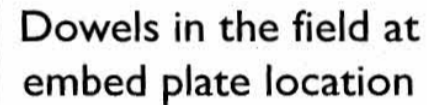
# Resident Presentation

---

## ► SIT Observations

Outside of Scope

Dowels FE cited in N&D  
and detail used by WEC  
for disposition of coring



## SIT Observations

---

- ▶ Field Engineers are a single point of vulnerability
  - ▶ WEC failed to cross check embed location with provided dowel drawing and description
  - ▶ Embed plate locations incorrectly located in field by carpenters
  - ▶ Pre-job briefs focus on personal safety not potential hazards. Questioning attitude?
  - ▶ Field Engineers trained on CAQ and CARs; not confident on how to identify in the field.
  - ▶ Lack of understanding of applicable procedures and precautions
- 



# SCE&G Role in Resolution

---

- ▶ Quality, Engineering, Licensing, Construction and Issue Manager assigned to oversight of corrective actions and plan forward
  - ▶ SE&G concurrence on the following required to release CB&I to work:
    - ▶ New and revised procedures
    - ▶ Job Hazard Analysis
    - ▶ Demolition Plan
    - ▶ Demolition Work Package
  - ▶ Project letters will be sent by SCE&G to CB&I to allow demo and to proceed with repair
- 





## Remaining VCS U2 Actions

---

- ▶ Interim Actions On-going
- ▶ Root Cause Analysis
- ▶ Extent of Condition
- ▶ Demolition/ Excavation and Evaluation of CVBH
- ▶ Disposition potential impacted rebar in remaining cores and possible repairs
- ▶ Repair CVBH Indication
- ▶ Repair Demolition/ Excavation



## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Tuesday, March 03, 2015 1:08 PM  
**To:** SALTER, JAMES FINDLAY  
**Subject:** FW: Photos of Core Holes  
**Attachments:** CIMG0420.JPG; CIMG0421.JPG; CIMG0422.JPG; CIMG0423.JPG; CIMG0424.JPG; CIMG0425.JPG; CIMG0426.JPG; CIMG0427.JPG; CIMG0428.JPG; CIMG0419.JPG

Findlay,  
Do you have an update on when these photos will be vetted?  
Thanks,  
Chad

---

**From:** Oelstrom, Chad  
**Sent:** Friday, February 27, 2015 7:37 AM  
**To:** SALTER, JAMES FINDLAY  
**Cc:** Michel(R2), Eric  
**Subject:** Photos of Core Holes

Findlay

Attached are the photos I would like you to review and release for NRC use. Let me know if you have any questions.

Eric,  
These photos are for internal use only for the team and have not been released by SCE&G.

Thanks,

Chad

## Oelstrom, Chad

---

**From:** DONNELLY, PATRICK B <PATRICK.DONNELLY@scana.com>  
**Sent:** Tuesday, March 03, 2015 11:16 AM  
**To:** Oelstrom, Chad  
**Subject:** FW: Removal of Layer 2 concrete to address damage from Core WORK PACKAGE  
**Attachments:** VS2-1110-COW-001 - WORK SCOPE INSTRUCTIONS only.pdf

---

**From:** CATLEDGE, JOHN THOMAS  
**Sent:** Tuesday, March 03, 2015 10:44 AM  
**To:** DONNELLY, PATRICK B  
**Cc:** GIBBONS, PATRICK BLAKE; YOUNG, KYLE MATTHEW; SALTER, JAMES FINDLAY  
**Subject:** FW: Removal of Layer 2 concrete to address damage from Core WORK PACKAGE

See attached Work Scope Instructions for the removal of concrete at the R1 hole. SCE&G has commented on this and the comments are being incorporated. Consider this copy a draft until we are provided the final approved copy.

Thanks,

### John Catledge

New Nuclear Deployment  
SCE&G | V.C. Summer Nuclear Station  
P.O. Box 88 | MC P-40  
Jenkinsville, SC 29065-0088  
803.941.9992 Office  
(b)(6) Cell  
803.931.5134 Fax  
[John.Catledge@scana.com](mailto:John.Catledge@scana.com)  
[www.SCANA.com](http://www.SCANA.com)



---

**From:** GIBBONS, PATRICK BLAKE  
**Sent:** Tuesday, March 03, 2015 10:23 AM  
**To:** CATLEDGE, JOHN THOMAS  
**Subject:** FW: Removal of Layer 2 concrete to address damage from Core WORK PACKAGE

### Patrick Gibbons, PE

New Nuclear Deployment  
SCE&G | V.C. Summer Nuclear Station  
P.O. Box 88 | MC P-40  
Jenkinsville, SC 29065-0088  
803.941.9813 Office



---

**From:** Voss, Drew [mailto:drew.voss@cbi.com]  
**Sent:** Tuesday, March 03, 2015 9:24 AM  
**To:** Fleetwood, Andrew S  
**Cc:** GIBBONS, PATRICK BLAKE; TUNE, JOHN BRAD  
**Subject:** RE: Removal of Layer 2 concrete to address damage from Core WORK PACKAGE

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

Sorry!

---

**From:** Voss, Drew  
**Sent:** Tuesday, March 03, 2015 9:19 AM  
**To:** Fleetwood, Andrew S  
**Cc:** 'Patrick.gibbons@scana.com'; 'john.tune@scana.com'  
**Subject:** RE: Removal of Layer 2 concrete to address damage from Core WORK PACKAGE

As requested... Work Scope Instructions only

---

**From:** Voss, Drew  
**Sent:** Saturday, February 28, 2015 1:26 PM  
**To:** [kyle.young@scana.com](mailto:kyle.young@scana.com); Drake, Greg (Westinghouse)  
**Cc:** Tate, William  
**Subject:** Removal of Layer 2 concrete to address damage from Core WORK PACKAGE

Kyle / Greg,

Please see the attached PDF of the Work Package for the removal of concrete in the CVBH.

PLEASE note that this is email 1 of 2. The file is too large to send as whole

This PDF does not include all of the design documents listed in it. If you do need any of those I can send them to you as well.

- Work Scope Instructions start on page 33 of the PDF
- VIDS start on page 63 of the PDF

If you need anything else, please let me know.

Drew



Drew Voss  
Planning Lead  
Field Engineering

Power-Nuclear  
803.345.8413 direct  
[drew.voss@CBI.com](mailto:drew.voss@CBI.com)

CB&I  
VC Summer Units 2 & 3  
14368 State Highway 213  
Jenkinsville, SC 29065  
USA  
[www.CBI.com](http://www.CBI.com)



~~This e-mail and any attached files may contain CB&I (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.~~

Page 444 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 445 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 446 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 447 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 448 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 449 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 450 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 451 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 452 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 453 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 454 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 455 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 456 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 457 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 458 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 459 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 460 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Tuesday, February 24, 2015 12:21 PM  
**To:** SALTER, JAMES FINDLAY  
**Subject:** Additional Document Request from Interim Action items

Findlay,

In addition to the documents requested today I am requesting the following two documents:

QS15.01  
NCSP 2-08

Thanks,  
Chad

**Steddenbenz, Katherine**

**From:** YOUNG, KYLE MATTHEW <KYLE.YOUNG@scana.com>  
**Sent:** Tuesday, February 24, 2015 11:26 AM  
**To:** Michel(R2), Eric; Oelstrom, Chad; OBryan, Phil  
**Cc:** SALTER, JAMES FINDLAY; Wills Jr, Edward  
**Subject:** FW: Coring/CV Issue - Consortium and SCE&G Teams

For the NRC Special Inspection Team, the following are contacts for this effort:

Position		Company	Dept	Email	Phone
<b>SCE&amp;G Issue Manager</b>	Kyle Young	SCE&G	NND Construction	<a href="mailto:Kyle.Young@SCANA.com">Kyle.Young@SCANA.com</a>	(b)(6)
	John Catledge	SCE&G	NND Construction	<a href="mailto:John.Catledge@scana.com">John.Catledge@scana.com</a>	
	Richard Troficanto	SCE&G	NND Design Engineering	<a href="mailto:Richard.troficanto@scana.com">Richard.troficanto@scana.com</a>	
	Findlay Salter	SCE&G	NND Licensing	<a href="mailto:Findlay.salter@scana.com">Findlay.salter@scana.com</a>	
	Larry Cunningham	SCE&G	NND QS	<a href="mailto:Larry.cunningham@scana.com">Larry.cunningham@scana.com</a>	
Welding SME	Keith Savastano	SCE&G	NND Construction	<a href="mailto:Keith.Savastano@SCANA.com">Keith.Savastano@SCANA.com</a>	
<b>Consortium Issue Manager</b>	Ed Wills	CB&I	Executive Director/Manager of Projects	<a href="mailto:Ed.wills@cbi.com">Ed.wills@cbi.com</a>	
<b>Technical Response Team Lead</b> (0900 OCC meeting)	Greg Drake	WEC	Containment Vessel Program Manager	<a href="mailto:drakega@westinghouse.com">drakega@westinghouse.com</a>	
Technical Team – Concrete/Rebar	John Arnall	CB&I	Concrete Manager	<a href="mailto:john.arnall@cbi.com">john.arnall@cbi.com</a>	
Technical Team – Design	John Robinson	WEC	Site Engineering Manager	<a href="mailto:robinsjl@westinghouse.com">robinsjl@westinghouse.com</a>	
Technical Team – CV Lead	Joe Bianco	WEC	Program Manager – Containment Vessel	<a href="mailto:biancoj@westinghouse.com">biancoj@westinghouse.com</a>	
<b>Interim and Immediate Actions Team Lead</b> (1000 OCC meeting)	Sean Burk	CB&I	Senior Director, Project Management	<a href="mailto:Sean.burk@cbi.com">Sean.burk@cbi.com</a>	



<b>Root Cause Investigation Team Lead</b> (working from Building 9 Conference Room 1B)	Jim Karmozyn (RCA Lead)	CB&I	Site Engineering	James.Karmozyn@cbi.com	
Root Cause Investigation Team	Jim Comer	CB&I	Performance Improvement Manager	<a href="mailto:James.comer@CBI.com">James.comer@CBI.com</a>	
RCA Team Member	Zach Ashcraft	SCE&G	NND Construction	<a href="mailto:Zachary.ashcraft@scana.com">Zachary.ashcraft@scana.com</a>	(b)(6)
RCA Team Member	Jay Devine	SCE&G	Units 2 & 3 Operations	<a href="mailto:Jay.devine@scana.com">Jay.devine@scana.com</a>	
RCA Team Member	William Brantley	CB&I	Site Engineering		
RCA Team Member	Brent Hamilton	CB&I	Quality Engineering		
RCA Team Member	Melanie Burley	WEC	Quality		
RCA Team Member	Alicia Bose	CB&I	Performance Improvement		
RCA Team Member	Caroline Janzen	CB&I	Performance Improvement		
RCA Team Member	Amanda Hurley	CB&I	Performance Improvement		
RCA Team Member	John Yeliseyev	CB&I	Field Engineering		

**Root Cause Team Members:**

Jim Comer – CB&I  
 – CB&I  
 John Yeliseyev – CB&I  
 Brent Hamilton – CB&I  
 – WEC  
 Zack Ashcraft – SCE&G  
 Jay Devine – SCE&G  
 Part Time -  
 – CB&I  
 Caroline Janzen – CB&I  
 Amanda Hurley – CB&I

**Kyle Young**

NND Construction  
 803.941.9811 Office  
 (b)(6) Mobile

**Heisserer, Jamie**

---

**From:** Lea, Edwin  
**Sent:** Monday, February 23, 2015 9:43 AM  
**To:** Heisserer, Jamie; Pelchat, John  
**Subject:** RE: Message Map/Comm plan: VC Summer Special Inspection

Jamie,

We are looking at that. We reviewed the information you identified below, and as you stated it is not very clear. Maybe the document needs work. We will continue to do our research to locate an answer for you. As always we need to be aware of what is going on just in case we are contacted by the public.

Thanks,  
Edwin

---

**From:** Heisserer, Jamie  
**Sent:** Monday, February 23, 2015 9:37 AM  
**To:** Lea, Edwin; Pelchat, John  
**Subject:** Message Map/Comm plan: VC Summer Special Inspection

Good morning gentlemen,

The links to the comm plan and message map are below:

- **Communications**  
**Plan:** [http://fusion.nrc.gov/regions/rli/ccr/dcp/cpb4/Shared%20Documents/Communications/Communications%20Plan%20-%20Summer%20CV%20Drilling%20Issue%20SIT%20\(Rev%202\).docx](http://fusion.nrc.gov/regions/rli/ccr/dcp/cpb4/Shared%20Documents/Communications/Communications%20Plan%20-%20Summer%20CV%20Drilling%20Issue%20SIT%20(Rev%202).docx)
- **Message Map:**  
[http://fusion.nrc.gov/regions/rli/ccr/dcp/cpb4/Shared%20Documents/Communications/Communications%20Message%20Map%20\(Summer%20CV%20Drilling%20Issue\)%20Rev2.dotx](http://fusion.nrc.gov/regions/rli/ccr/dcp/cpb4/Shared%20Documents/Communications/Communications%20Message%20Map%20(Summer%20CV%20Drilling%20Issue)%20Rev2.dotx)

From the guidance on the EDO's website, this appears to be a Limited Communication Plan. This is the first comm plan I've been involved in. Who is typically on concurrence?

Thanks,

**Jamie M. Heisserer**  
Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)

(b)(6) Cell)

## Steddenbenz, Katherine

---

**From:** Heisserer, Jamie  
**Sent:** Monday, February 23, 2015 2:56 PM  
**To:** Michel(R2), Eric; Oelstrom, Chad; OBryan, Phil  
**Subject:** FW: VC Summer Special Inspection status  
  
**Importance:** High

---

**From:** Kent, Jonathan  
**Sent:** Monday, February 23, 2015 2:45 PM  
**To:** Heisserer, Jamie  
**Cc:** Ernstes, Michael; Heher, Patrick; Khouri, George  
**Subject:** RE: VC Summer Special Inspection status

Jamie,

The report number for the VC Summer Unit 2 SIT has been created.

The report number is: **05200027/2015009**

Associated IP is: **IP 93812**

The report may not be available in HRMS until the server refresh tonight so the team should see it by tomorrow. Let me know if you need anything else.

Jonathan Kent  
USNRC Construction Project Inspector  
Division of Construction Projects, Construction Projects Branch 4  
phone: 404.997.4403  
email: [jonathan.kent@nrc.gov](mailto:jonathan.kent@nrc.gov)

---

**From:** Heisserer, Jamie  
**Sent:** Friday, February 20, 2015 4:08 PM  
**To:** Brown, Frederick; Dubose, Sheila; Ernstes, Michael; Gamberoni, David; Grosskurth, Erik; Khouri, George; O'Donohue, Kathleen; R2DCI\_B1; R2DCI\_B2; R2DCI\_B3; Yerokun, Jimi; Adams, Michelle; Freeman, Scott; Grosskurth, Erik; Jones, William; R2DCP\_B1; R2DCP\_B2; R2DCP\_B3; R2DCP\_B4; Sloan, Kimberly; Vias, Steven  
**Subject:** VC Summer Special Inspection status

Good afternoon team,

Just wanted to provide a brief update to catch everyone up on the Summer Special Inspection Team. Mike Ernstes shared this info with his branch, and we thought it would be useful to share with the wider construction audience.

If you haven't yet heard, last week, CB&I was drilling cores in the concrete in the containment vessel at VC Summer Unit 2 to place some new vertical rebar (called dowels). While performing that activity, they cut through some safety related rebar, and the drill bit contacted the containment vessel bottom head below, damaging it to some degree. The attached charter describes the circumstances in greater detail. Based on the circumstances which led to the drilling into the CV and safety related rebar, we wanted to get a thorough and

relatively quick understanding of the causes and consequences. We debated just sending out some DCI inspectors to assist the residents under 35007, and in fact, did have great support from Katie Steddenbenz earlier this week. We also looked to Appendix C of MC 2504 to consider the thresholds for a reactive inspection. We decided that a special inspection would be the best way to meet our objectives. The attached decision form from 2504 documents the basis for the decision. This is the first SIT we have done for construction.

I am the coordinating the inspection, so feel free to contact me if you have any questions. Eric Michel is the inspection team lead. Chad Oelstrom and Phil O'Bryan from DCIP are on the team. (If you don't know Phil, he is very experienced and will be a great asset for the team. He was the SRI at Brunswick before he went to DCIP.) The team will be on site next week.

Patrick Heher and Cynthia Taylor have worked with DCI to develop Communications Plan and Message Map. Please familiarize yourself with the "Key Messages" in case you get questions. The links are below:

- **Communications**

**Plan:** [http://fusion.nrc.gov/regions/rri/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Plan%20-%20Summer%20CV%20Drilling%20Issue%20SIT%20\(Rav%202\).docx](http://fusion.nrc.gov/regions/rri/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Plan%20-%20Summer%20CV%20Drilling%20Issue%20SIT%20(Rav%202).docx)

- **Message Map:**

[http://fusion.nrc.gov/regions/rri/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Message%20Map%20\(Summer%20CV%20Drilling%20Issue\)%20Rev2.dotx](http://fusion.nrc.gov/regions/rri/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Message%20Map%20(Summer%20CV%20Drilling%20Issue)%20Rev2.dotx)

Please let me know if you have any questions, and have a safe/warm weekend.

**Jamie M. Heisserer**

Chief, Construction Inspection Branch 2

Region II - Division of Construction Inspection

U.S. Nuclear Regulatory Commission

(404) 997-4451 (Office)

(b)(6)

(Cell)

**Steddenbenz, Katherine**

---

**From:** SALTER, JAMES FINDLAY <JAMES.SALTER@scana.com>  
**Sent:** Monday, February 23, 2015 6:28 PM  
**To:** Oelstrom, Chad; Michel(R2), Eric; OBryan, Phil  
**Cc:** 'Baucom, Charles'; YOUNG, KYLE MATTHEW; Wills Jr, Edward; Cole, Joseph A  
**Subject:** VS2-CR01-GNR-000259  
**Attachments:** VS2-CR01-GNR-000259.pdf

Chad,

See attached N&D per request from Entrance meeting this afternoon,

Regards,

**J. Findlay Salter, EIT**  
Associate Engineer  
New Nuclear Deployment - Licensing  
**SCE&G** | V.C. Summer Nuclear Station  
P.O. Box 88 | MC 846  
Jenkinsville, SC 29065-0088  
803.941.9855 Office  
[james.salter@scana.com](mailto:james.salter@scana.com)



Page 468 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 469 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 470 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 471 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 472 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 473 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 474 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 475 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 476 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 477 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 478 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 479 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 480 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Sunday, February 22, 2015 4:44 PM  
**To:** 'Cole, Joseph A'  
**Subject:** RE: Chad Oelstrom Initial Document Request

1110 is correct.

---

**From:** Cole, Joseph A [mailto:coleja@westinghouse.com]  
**Sent:** Friday, February 20, 2015 1:42 PM  
**To:** Oelstrom, Chad  
**Cc:** RICE, APRIL R; SANDERS, GARRETT R; YOUNG, KYLE MATTHEW; McIntyre, Brian A; SALTER, JAMES FINDLAY; charles.baucom@cbl.com  
**Subject:** RE: Chad Oelstrom Initial Document Request

Chad

WEC is pulling the documents that you requested. We have one question.

You requested copies of:

APP-1100-CC-121  
APP-1100-CC-341  
APP-1100-CR-519 thru 550.

Can you verify that you intended to ask for series APP-1110-.....? The 1100 series does not exist.

**Joe Cole**  
Principal Licensing Engineer  
AP1000 Licensing

Westinghouse Electric Company  
VC Summer Units 2 and 3  
14368 State Highway 213  
Jenkinsville, SC 29065 USA  
803-345-8221  
[coleja@westinghouse.com](mailto:coleja@westinghouse.com)

---

**From:** Oelstrom, Chad [Chad.Oelstrom@nrc.gov]  
**Sent:** Friday, February 20, 2015 10:24 AM  
**To:** SALTER, JAMES FINDLAY  
**Cc:** Michel(R2), Eric  
**Subject:** Chad Oelstrom Initial Document Request

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

Findlay.

Here is an initial list of documents I am requesting as hard copies for Monday:

Drawings hard copies 11x17 (I am listing the APP but I need the U2 drawing):

APP-1110-CR-001 thru 006

APP-1110-CR-505 thru 512

APP-0000-S9-001

APP-1000-CE-001

APP-1100-CC-901 thru 902

APP-1100-CC-121

APP-1100-CC-341

APP-1100-CR-519 thru 550

APP-1120-CCK-001 thru 004

APP-1120-CE-001 thru 004

Embed plate drawings for the location in question.

Specifications (SCE&G, project, CB&I and WEC):

Concrete coring

Grouting

Post installed rebar

Procedures (SCE&G, project, CB&I and WEC):

Concrete coring

Grouting

Post installed rebar

N&D's

Calculations:

Concrete doweling and post installed rebar

Other:

Requested docs at OCC on 2/20:

RAI for N&D VS2-CR01-GNR-000279

RAI Response for above N&D

Project Letter/ RFI to WEC as discussed in OCC 2/20/14.

Access to review the work packages associated with the concrete coring and repair for the issue in question.

I will probably have additional requests. Let me know if you have any questions. Thanks,

Chad Oelstrom

Construction Inspector

USNRC Region II, CCI-DCI-CIB2

Phone: 404-997-4493

Fax: 404-997-4917

Email: <mailto:chad.oelstrom@nrc.gov>

~~This e-mail may contain proprietary information of the sending organization. Any unauthorized or improper disclosure, copying, distribution, or use of the contents of this e-mail and attached document(s) is prohibited. The information contained in this e-mail and attached document(s) is intended only for the personal and private use of the recipient(s) named above. If you have received this communication in error, please notify the sender immediately by e-mail and delete the original e-mail and attached document(s).~~

## Heisserer, Jamie

---

**From:** Heisserer, Jamie  
**Sent:** Friday, February 20, 2015 12:58 PM  
**To:** Waters, Michael  
**Subject:** RE: Follow-up Query: Ostendorff and Info on Sumner SIT

Hey Mike,

You're very welcome...I thought I had sent to you last night, but it was stuck in my outbox.

You can share with interested parties within the Agency, but the images are marked "proprietary," so can't be shared outside of the organization.

Thanks, and let me know if there's any way I can help.

Jamie

---

**From:** Waters, Michael  
**Sent:** Friday, February 20, 2015 12:55 PM  
**To:** Heisserer, Jamie  
**Subject:** RE: Follow-up Query: Ostendorff and Info on Sumner SIT

Jamie,

Thank you very much for taking the time to put this together! I will forward to the EDO and DEDO given their interest.

No questions at this time.

Is it okay if I share with Commissioner Ostendorff's technical assistant?

Thanks,

Mike

---

**From:** Heisserer, Jamie  
**Sent:** Friday, February 20, 2015 11:23 AM  
**To:** Waters, Michael  
**Subject:** RE: Follow-up Query: Ostendorff and Info on Sumner SIT

Mike,

I have attached a pdf with three images that I think best summarize the issue. These are proprietary images.

(b)(4)

(b)(4)

The images aren't the best, but should hopefully give you a better idea of what we're talking about. If you have any questions, please let me know.

**Jamie M. Heisserer**

Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)

(b)(6) (Cell)

---

**From:** Waters, Michael

**Sent:** Thursday, February 19, 2015 2:47 PM

**To:** Heisserer, Jamie

**Subject:** RE: Follow-up Query: Ostendorff and Info on Sumner SIT

Thanks Jamie. It sounds like Ostendorff's visit to Summer won't interfere with your SIT.

Separately, Mike Johnson has asked if there are any pictures or diagrams of the issue to help him visually understand it better. Is there anything that is readily available – at your convenience?

Thanks,

Mike

---

**From:** Heisserer, Jamie

**Sent:** Thursday, February 19, 2015 1:53 PM

**To:** Waters, Michael

**Subject:** RE: Follow-up Query: Ostendorff and Info on Sumner SIT

Hi Mike,

I don't see any concerns with Commissioner Ostendorff's visit. If you have any questions, or I can help in any way, please let me know.

Thanks,

**Jamie M. Heisserer**

Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)

(b)(6) (Cell)

---

**From:** Waters, Michael  
**Sent:** Thursday, February 19, 2015 11:03 AM  
**To:** Ernstes, Michael; Heisserer, Jamie  
**Subject:** Follow-up Query: Ostendorff and Info on Sumner SIT

Mike,

Thanks for the information. I am apparently having one of those weeks where I am running "a day late and a dollar short." I mentioned to you Chairman Burn's visit to RII and Vogtle in our conversation. But now realize that you may have been talking about Commissioner Ostendorff's visit to Sumner this Monday! (it was next in my stack)

I will not change his briefing package. But I will speak with his assistant this afternoon. I understand that Vic has already discussed with Ostendorff to some degree.

Jamie,

Please advise, if you see any issues/concerns with his visit and the SIT next week that I should communicate. I will assume otherwise that Vic or Fred Brown will keep Ostendorff's office in the loop as needed.

Thanks,

Mike

**Michael D. Waters**  
Executive Technical Assistant  
Office of the Executive Director for Operations  
U.S. Nuclear Regulatory Commission  
301-415-4039

---

**From:** Ernstes, Michael  
**Sent:** Thursday, February 19, 2015 10:23 AM  
**To:** Waters, Michael  
**Subject:** RE: Query: Info on Sumner SIT

Mike, below is the basis we used for deciding to do a special inspection.

(b)(5)

---

**From:** Waters, Michael  
**Sent:** Thursday, February 19, 2015 9:54 AM

**To:** Ernstes, Michael; O'Donohue, Kathleen

**Subject:** Query: Info on Sumner SIT

Do you guys have a readily-available summary (or email to loop me in) regarding the SIT for Sumner?

(I listened in to the initial report on Tuesday's principal staff meeting)

Want to be armed with information if it starts to be filtered up or down from the Commission Offices.

Thanks,

Mike

**Michael D. Waters**

Executive Technical Assistant

Office of the Executive Director for Operations

U.S. Nuclear Regulatory Commission

301-415-4039



**Heisserer, Jamie**

---

**From:** Temple, Sarah  
**Sent:** Friday, February 20, 2015 10:10 AM  
**To:** Heisserer, Jamie  
**Subject:** Summer Special Inspection Team

Jamie,

I wanted to know if I could be included on some of the communications for the Summer Special Inspection that starts next week. If there is a team daily debrief or something I could call in to, that would be perfect. I talked to Mike Ernstes about this yesterday, and he thinks it would be a good idea for someone at Vogtle to stay informed of what is going on. This way we can be knowledgeable of any aspects that may apply to both sites and prepared for any questions about how this issue affects Vogtle.

Please let me know if you have any questions for me. If it is better for me to contact the inspection team directly, let me know.

Thank you,

*Sarah Temple*

Construction Resident Inspector  
Vogtle Units 3 & 4  
U.S. Nuclear Regulatory Commission  
E-mail: [Sarah.Temple@nrc.gov](mailto:Sarah.Temple@nrc.gov)  
Office: 706-437-2543  
Cell: (b)(6)

## Steddenbenz, Katherine

---

**From:** Heisserer, Jamie  
**Sent:** Friday, February 20, 2015 2:55 PM  
**To:** Michel(R2), Eric  
**Subject:** RE: Management debrief logistics

I will run those criteria by folks here, but those seem extremely reasonable.

---

**From:** Michel(R2), Eric  
**Sent:** Friday, February 20, 2015 2:39 PM  
**To:** Heisserer, Jamie  
**Subject:** RE: Management debrief logistics

Jamie,

Well timed email...was just writing you regarding the debriefs.

Regarding the elevation to an AIT, it's actually a requirement in the IP, and I've been giving it some thought. I don't know of any established thresholds for the circumstances we're in right now. MD 8.3 would set the AIT/SIT threshold based on a risk calculation, but that clearly doesn't apply here. The only things that are coming to mind are:

- if we were unable to accomplish the charter objectives without additional help
- We discovered a previously unknown concern that significantly raised the risk or complexity of the issue.

Do these sounds reasonable to you and senior management?? I'd like to have this agreed to beforehand.

Eric

---

**From:** Heisserer, Jamie  
**Sent:** Friday, February 20, 2015 2:31 PM  
**To:** Michel(R2), Eric  
**Subject:** Management debrief logistics

Good afternoon Eric,

As you saw in the charter, Region II mgmt. would like to be debriefed at roughly 4pm starting on Day 2 of the inspection. I am working on establishing a bridgeline for the Tuesday-Thursday debriefs. If there is another time that works better for the team, please let me know. Jimi has asked, that in each debrief, you state whether or not our response needs to be elevated to an AIT to ensure that all are clear on our level of needed response. He specifically asked that as a lesson learned from an AIT that he led where some executives had confusion on the level of needed response.

At any point, if you need on-site assistance from HQ, whether technical or SCWE-type assistance, let us know and we will get you the resources. NRO/DE is on standby in case you have code questions.

Thanks, and call/text me any time if you need help/support/stuff that you don't have time to deal with onsite, etc.

**Jamie M. Heisserer**

Chief, Construction Inspection Branch 2

Region II - Division of Construction Inspection

U.S. Nuclear Regulatory Commission

(404) 997-4451 (Office)

(b)(6) (Cell)

## Steddenbenz, Katherine

---

**From:** YOUNG, KYLE MATTHEW <KYLE.YOUNG@scana.com>  
**Sent:** Friday, February 20, 2015 9:09 AM  
**To:** Oelstrom, Chad; Michel(R2), Eric; OBryan, Phil  
**Subject:** Fw: CVBH Concrete Core OCC Meeting : Action Item List 2-19-15  
**Attachments:** SecureZIP Attachments.zip

Kyle Young  
803.941.9811 Office  
(b)(6) Mobile

---

**From:** Sullivan, Christina M <sullivcm@westinghouse.com>  
**Sent:** Thursday, February 19, 2015 13:06  
**To:** Drake, Gregory A.; 'Karmozyn, James'; 'Kappers, Michelle L'; 'Young, Todd'; Parente, David A; 'john.arnall@cbi.com'; Bianco, Joseph; Gary, Latia D; Kenny, Natalie L; Krebs, Daniel P; Sweidan, Basheer N; Bernardo, Robert L; Hughes, Joseph P; Sarah Fadell; 'rwdriscoll@cbi.com'; Paul J Fleming; Fletcher, Christopher J; Crawley, David W; 'Tate, Terry L'; 'Loni LaPlante'; 'Drewett, George'; john.yeliseyev@cbi.com; YOUNG, KYLE MATTHEW; TUNE, JOHN BRAD; SALTER, JAMES FINDLAY; TROFICANTO, RICHARD D; carrie.arnold@cbi.com; terry.copeland@cbi.com; charles.capitano@cbi.com; michael.v.anderson@cbi.com; Zeno-Hernandez, Gabriel A; patrick.donnely@nrc.gov; Sullivan, Christina M  
**Cc:** Macecevic III, William A.; 'Wood, Bill'; Magnarelli, Daniel L; Robinson, John L.; Burk, Sean M; Kenneth W. Hollenbach  
**Subject:** CVBH Concrete Core OCC Meeting : Action Item List 2-19-15

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---

See attached action items from today's OCC meeting.

Thank you,

Christina M. Sullivan, PMP  
Westinghouse Electric Company

p: (803) 345-8603

c: (b)(6)

---

~~This e-mail may contain proprietary information of the sending organization. Any unauthorized or improper disclosure, copying, distribution, or use of the contents of this e-mail and attached document(s) is prohibited. The information contained in this e-mail and attached document(s) is intended only for the personal and private use of the recipient(s) named above. If you have received this communication in error, please notify the sender immediately by email and delete the original e-mail and attached document(s).~~

Page 491 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Meeting held: CVBH Concrete Core Issue  
Building 107 OCC Conference Room

Date: 19FEB15

Employee #	Print Name	Department/Company	Phone #
(b)(6)	Christina Sullivan	WEC	28603
	Jim Karmozyn	CBI - Design	803-345-8453
	John Yeliseyev	CBI - FE	803-345-8248
	Michelle Kappers	CBI - Const.	803-932-5788
	Todd Young	CBI - FE	
	David Parente	WEC-CONSTR. INT.	803-345-3075
	Gabriel A. Zeno-Hernandez	WEC-SDE	803-575-3076
	LATIA GARY	WEC - QA	803-345-7207
	John Arnall	CBI - Constr.	X 8520
	BASHEER SWEIDAN	WEC - SDE	803-932-9797
	Natalie Kenny	WEC - SDE	803-345-8660
	DANIEL P. KREBS	WEC - SDE	803-932-5614
	Kyle Young	SCE+G - CON	803 543 9582
	Brad Tunc	SCEG - LIA	803-941-9804
	LONI LAPLANTE	CBIS - QUALITY	803-345-7188
	Sarah Fadell	CBIS - PC	803-345-7169
	Robert Driscoll	CBIS - Quality	803-345-7171
	Paul Fleming	CBIS - PM	803-345-7165
	Carrie Arnold-Gutierrez	CBI Const.	980-321-8733
	TERRY LOPEZ	CBI - CONST	980-321-8581
	PATRICK DONNELLY	NRL RE	803-345-6857
	FINDLAY SALTER	SCEG - LIC	(803) 941-9855
	Richard Troficanto	SCEG - ENG	803 941 9873
	CHAS Capitano	CBI - HSE	(803) 402-5744
	Joseph Hughes	CBI Const.	803-645-4196
	MIKE ANDERSON	CBI CONST	706-830-6842
	Terry Tate	CBI QC	803-706-3441
	BOB BERNARDI	WEC P.C.	803-345-8199

Exemption 1

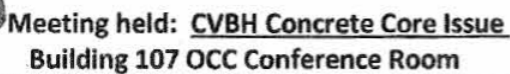
Exemption 1

Exemption 1

Exemption 1

Exemption 1





## Exemption to

[illegible]

### Exemption

Page 494 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 495 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 496 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 497 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 498 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 499 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 500 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 501 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 502 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 503 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 504 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 505 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 506 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 507 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 508 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 509 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 510 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 511 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 512 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 513 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 514 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 515 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 516 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 517 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 518 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 519 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 520 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 521 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 522 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 523 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 524 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 525 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 526 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 527 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 528 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 529 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 530 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 531 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 532 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 533 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 534 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 535 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 536 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 537 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 538 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 539 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 540 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 541 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 542 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 543 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 544 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 545 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 546 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 547 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 548 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 549 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 550 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 551 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 552 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 553 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 554 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 555 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 556 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 557 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 558 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 559 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 560 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 561 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 562 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 563 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 564 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 565 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 566 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 567 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 568 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 569 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 570 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 571 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 572 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 573 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 574 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 575 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 576 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 577 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 578 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 579 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 580 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 581 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 582 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 583 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 584 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 585 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 586 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 587 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 588 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 589 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 590 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 591 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 592 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 593 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 594 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 595 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 596 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 597 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 598 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 599 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 600 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 601 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 602 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 603 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 604 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 605 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 606 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 607 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 608 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 609 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 610 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 611 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 612 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 613 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 614 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 615 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 616 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 617 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 618 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 619 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 620 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Oelstrom, Chad

---

**From:** Oelstrom, Chad  
**Sent:** Thursday, February 19, 2015 12:50 PM  
**To:** Donnelly, Patrick  
**Subject:** RE: Containment Core Drilling Update

<b>Tracking:</b>	<b>Recipient</b>	<b>Delivery</b>
	Donnelly, Patrick	Delivered: 02/19/2015 12:50 PM

FYI... I talked to Natalie Kenny. The meeting at 1300 is to discuss verbiage of an RAI to WEC for the cut rebar. I am not going to listen in since no disposition is going to be discussed. I asked for a copy of the RAI. Told her to provide a copy to you or Findlay for me.

Chad Oelstrom  
Construction Inspector  
USNRC Region II, CCI-DCI-CIB2  
Phone: 404-997-4493  
Fax: 404-997-4917  
Email: <mailto:chad.oelstrom@nrc.gov>

---

**From:** Donnelly, Patrick  
**Sent:** Thursday, February 19, 2015 10:53 AM  
**To:** Heisserer, Jamie; Michel(R2), Eric; Oelstrom, Chad  
**Cc:** Ernstes, Michael  
**Subject:** RE: Containment Core Drilling Update

Team Special-

I just got out of an OCC meeting on the CV issue. They are having OCC meetings M-F at 9 am (I suggest you get to the site by 9 on Monday).

The phone call at 11 should have Jim Comer, who is the manager for the root cause evaluation. Greg Drake (goes by Drake) who is the program manager for the field response, and Sean Burk who is the manager in charge of risk assessment. They will only be able to tell you about what is under their purview and a little about where they are headed at this time, but will probably be light on specifics. This will at least give you a lay of the land with respect to how things are being organized at this time.

Patrick Donnelly  
V.C. Summer Resident Inspector  
(803)345-6856

---

**From:** Steddenbenz, Katherine  
**Sent:** Wednesday, February 18, 2015 5:15 PM  
**To:** Heisserer, Jamie; Michel(R2), Eric; Oelstrom, Chad  
**Cc:** Donnelly, Patrick; Ernstes, Michael  
**Subject:** Containment Core Drilling Update

Attached are the following six documents:

1. CB&I's timeline of events
2. CAR 2015-0539

3. N&D VS2-CR01-GNR-000263 (to address rebar interfering with embed plates P1, P2, and P3)
4. N&D VS2-CR01-GNR-000275 (to address three holes cored in the wrong location and still interfering with the embed plates P1 and P2)
5. N&D VS2-1110-GNR-000008 (to address the CVBH being nicked)
6. N&D VS2-CR01-GNR-000279 (to address the #11 rebar cored through)
7. Picture of cores

The timeline does a good job of summarizing the activities that have occurred to date and linking them to the associated N&Ds. However, we do have a question with the bullet that states on February 13, cores from **each** core hole were reviewed and cores showed containment rebar had been cored through in three locations (which are identified in N&D VS2-CR01-GNR-000279). In a discussion with someone working at the batch plant, he stated that they recovered what cores they could from the dumpster and attempted to put the pieces together to conduct their review. They are missing a good bit of the cores and were unable to match a lot of it as shown in the attached photo. At the top of each column, starts what they believe to be a core. He also mentioned there was no way to tell which core had come from which core hole, except the one that hit containment which is smooth on the bottom (core on the left). He stated only two had impacted #11 rebar, but the N&D states 3 locations, which we're not sure how they determined. We have asked SCE&G to include a discussion on his aspect in the briefing tomorrow.

They drilled 10 new holes. The first six were to replace the four that would have interfered with the embed plates to maintain clearance and spacing. Three of those six were put in the wrong place (N&D VS2-CR01-GNR-000275, should there be a CAR??), so they drilled three more in conformance with the original N&D. And the 10<sup>th</sup> hole (Core D1 in the drawing) is not associated with this issue at all. We have requested the N&D for why this hole was drilled.

The CAR addresses the programmatic aspects such as human performance, procedures, and training.

SCE&G believes they are planning to discuss the potential path forward in the 7am meeting tomorrow with CB&I and WEC representatives. They will touch base to schedule a subsequent meeting with us (Patrick, Jamie, Eric, and Chad) as soon as their meeting ends. They have been notified that we are potentially using a special inspection team to address this issue and that Jamie, Eric, and Chad will potentially be on it.



**Steddenbenz, Katherine**

---

**From:** Heisserer, Jamie  
**Sent:** Thursday, February 19, 2015 8:32 AM  
**To:** Michel(R2), Eric  
**Subject:** FW: VCS SIT charter draft.docx  
**Attachments:** VCS SIT charter draft.docx

---

**From:** Heisserer, Jamie  
**Sent:** Wednesday, February 18, 2015 5:14 PM  
**To:** Dubose, Sheila  
**Cc:** Yerokun, Jimi  
**Subject:** VCS SIT charter draft.docx

Good afternoon Sheila,

Please prepare the attached Special Inspection team Charter for concurrence. Concurrence should include myself, Mike Ernstes, Bill Jones, Jimi Yerokun, Fred Brown and Victor McCree.

Thank you,

**Jamie M. Heisserer**  
Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)  

(b)(6)

 (Cell)

MEMORANDUM TO: Eric Michel  
Senior Construction Inspector  
Division of Construction Inspection

FROM: Victor M. McCree  
Regional Administrator

SUBJECT: SPECIAL INSPECTION CHARTER TO EVALUATE THE  
INADVERTENT DAMAGE OF THE SUMMER UNIT 2  
CONTAINMENT VESSEL

You have been selected to lead a Special Inspection to assess the circumstances surrounding the inadvertent gouging of the Summer Unit 2 containment vessel bottom head while drilling concrete on February 9, 2015. Your onsite inspection should begin on February 23, 2013. Chad Oelstrom, RII/DCI, and Phil O'Bryan, NRO/DCIP, will be assisting you in this inspection.

A. Basis

On February 16, 2015 the licensee was notified by Chicago Bridge & Iron (CB&I) that during core boring activities the previous week, the core bit made contact with the containment vessel at a location approximately 27" below the concrete surface, potentially gouging the vessel. In addition, two cores cut into safety-related rebar. During the week of February 9, 2015 at the Summer Unit 2 construction site interferences were identified while placing embed plates in preparation for the Layer 3 concrete pour inside of the containment vessel. Seven dowels (vertical rebar) extending from the Layer 2 placement were cut off and holes for replacement dowels were drilled in ten locations. It was during these activities that the containment vessel was potentially damaged and the rebar cut.

In accordance with Inspection Manual Chapter (IMC) 2504, "Construction Inspection Program: Inspection of Construction and Operational Programs," Appendix C, "Response to Non-Performance Related Issues/Events," deterministic criteria were used to evaluate the level of NRC response to this construction event. Through review of the deterministic criteria in IMC 2504, Region II management determined that this was a significant event that while not covered by deterministic criteria, warrants additional inspection or oversight. Specifically, the circumstances which resulted in the inadvertent damage to safety related rebar and the containment vessel revealed several concerns regarding construction practices which warrant additional inspection. Region II determined that the appropriate level of NRC response is a Special Inspection.

This Special Inspection is chartered to identify the circumstances surrounding the damage to the containment vessel and safety-related rebar, review the licensee's actions following discovery of the condition, and to evaluate the licensee's actions to address the damage.

B. Scope

The inspection is expected to perform data gathering and fact-finding in order to address the following:

## Steddenbenz, Katherine

---

**From:** Clark, Theresa  
**Sent:** Wednesday, February 18, 2015 4:22 PM  
**To:** Beardsley, James; Mitchell, Matthew  
**Cc:** Heisserer, Jamie; Michel(R2), Eric; Tsirigotis, Alexander; Shams, Mohamed  
**Subject:** RE: Support for Summer Special Inspection the week of Feb 23rd

Jim, thanks. As we discussed on the phone, Alexander Tsirigotis in my group could support general ASME discussions including design processes under Section III. Someone in Matt's group may be able to speak to it if it's ISI/welding related. And if it has to do with the ASME sections relating to metal containments, usually those are handled in the structural branch—I think. Depends what expertise you need, but we'd be happy to help however we can. Thanks.

**Theresa Valentine Clark**  
Chief, Mechanical Engineering Branch  
Division of Engineering  
U.S. NRC Office of New Reactors  
T-7E63 | 301-415-4048  
Theresa.Clark@nrc.gov

***MEB Vision:** We are engineering experts on the design, qualification, and testing of the mechanical components and piping that make up new nuclear power plants' systems. We work together to embrace our safety mission and model our agency's values, accountable to each other and the nation.*

---

**From:** Beardsley, James  
**Sent:** Wednesday, February 18, 2015 4:13 PM  
**To:** Clark, Theresa; Mitchell, Matthew  
**Cc:** Heisserer, Jamie; Michel(R2), Eric  
**Subject:** Support for Summer Special Inspection the week of Feb 23rd

Theresa & Matt,

As you heard today, the residents at VC Summer are tracking a relatively significant issue with respect to borings inside containment. RII has decided to send a Special Inspection Team to Summer next week to look at the issues and programmatic breakdowns. Jamie Heisserer, the RII Branch Chief responsible for the team, wanted to ensure that the NRO technical staff with ASME expertise are available for consultation if needed next week. Eric Mitchel will be the team leader for the team. If you could let us know who will be available, we would appreciate it. Jamie and Eric are CCed on this eMail.

Jim Beardsley  
Chief, Construction Inspection Program Branch (CIPB)  
U.S. Nuclear Regulatory Commission  
Office of New Reactors  
Division of Construction, Inspection, & Operational Programs  
Office: T-7D49  
MS: T-7D24  
W: (301) 415-5998  
C: (b)(6)

## Steddenbenz, Katherine

---

**From:** Steddenbenz, Katherine  
**Sent:** Wednesday, February 18, 2015 5:15 PM  
**To:** Heisserer, Jamie; Michel(R2), Eric; Oelstrom, Chad  
**Cc:** Donnelly, Patrick; Ernstes, Michael  
**Subject:** Containment Core Drilling Update  
**Attachments:** Coring Activity Summary.pdf; CAR 2015-0539.pdf; N&D VS2-CR01-GNR-000263.pdf; N&D VS2-CR01-GNR-000275.pdf; N&D VS2-1110-GNR-000008.pdf; N&D VS2-CR01-GNR-000279.pdf; Cores.jpg

Attached are the following six documents:

1. CB&I's timeline of events
2. CAR 2015-0539
3. N&D VS2-CR01-GNR-000263 (to address rebar interfering with embed plates P1, P2, and P3)
4. N&D VS2-CR01-GNR-000275 (to address three holes cored in the wrong location and still interfering with the embed plates P1 and P2)
5. N&D VS2-1110-GNR-000008 (to address the CVBH being nicked)
6. N&D VS2-CR01-GNR-000279 (to address the #11 rebar cored through)
7. Picture of cores

The timeline does a good job of summarizing the activities that have occurred to date and linking them to the associated N&Ds. However, we do have a question with the bullet that states on February 13, cores from **each** core hole were reviewed and cores showed containment rebar had been cored through in three locations (which are identified in N&D VS2-CR01-GNR-000279). In a discussion with someone working at the batch plant, he stated that they recovered what cores they could from the dumpster and attempted to put the pieces together to conduct their review. They are missing a good bit of the cores and were unable to match a lot of it as shown in the attached photo. At the top of each column, starts what they believe to be a core. He also mentioned there was no way to tell which core had come from which core hole, except the one that hit containment which is smooth on the bottom (core on the left). He stated only two had impacted #11 rebar, but the N&D states 3 locations, which we're not sure how they determined. We have asked SCE&G to include a discussion on his aspect in the briefing tomorrow.

They drilled 10 new holes. The first six were to replace the four that would have interfered with the embed plates to maintain clearance and spacing. Three of those six were put in the wrong place (N&D VS2-CR01-GNR-000275, should there be a CAR??), so they drilled three more in conformance with the original N&D. And the 10<sup>th</sup> hole (Core D1 in the drawing) is not associated with this issue at all. We have requested the N&D for why this hole was drilled.

The CAR addresses the programmatic aspects such as human performance, procedures, and training.

SCE&G believes they are planning to discuss the potential path forward in the 7am meeting tomorrow with CB&I and WEC representatives. They will touch base to schedule a subsequent meeting with us (Patrick, Jamie, Eric, and Chad) as soon as their meeting ends. They have been notified that we are potentially using a special inspection team to address this issue and that Jamie, Eric, and Chad will potentially be on it.

Page 627 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 628 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 629 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 630 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 631 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 632 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 633 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 634 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 635 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 636 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 637 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 638 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 639 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 640 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 641 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 642 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 643 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 644 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 645 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 646 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 647 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 648 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 649 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 650 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 651 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 652 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 653 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 654 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 655 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 656 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 657 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 658 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 659 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 660 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 661 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 662 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 663 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 664 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 665 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 666 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Heisserer, Jamie

**From:** Heisserer, Jamie  
**Sent:** Wednesday, February 25, 2015 3:02 PM  
**To:** McCree, Victor  
**Subject:** Fwd: VC Summer Special Inspection status  
**Attachments:** Summer SI 2504.docx; Summer SI Charter.docx

Charter is publicly available as  
ML15051A104.

Good afternoon Vic,

A copy of the charter for the SIT in preparation for the 4pm call, in case you don't have one readily available.

Thanks,  
Jamie

---

From: Heisserer, Jamie  
Sent: Friday, February 20, 2015 4:07 PM  
To: Brown, Frederick; Dubose, Sheila; Ernestes, Michael; Gamberoni, David; Grosskurth, Erik; Khouri, George; O'Donohue, Kathleen; R2DCI\_B1; R2DCI\_B2; R2DCI\_B3; Yerokun, Jimi; Adams, Michelle; Freeman, Scott; Grosskurth, Erik; Jones, William; R2DCP\_B1; R2DCP\_B2; R2DCP\_B3; R2DCP\_B4; Sloan, Kimberly; Vias, Steven  
Subject: VC Summer Special Inspection status

Good afternoon team,

Just wanted to provide a brief update to catch everyone up on the Summer Special Inspection Team. Mike Ernestes shared this info with his branch, and we thought it would be useful to share with the wider construction audience.

If you haven't yet heard, last week, CB&I was drilling cores in the concrete in the containment vessel at VC Summer Unit 2 to place some new vertical rebar (called dowels). While performing that activity, they cut through some safety related rebar, and the drill bit contacted the containment vessel bottom head below, damaging it to some degree. The attached charter describes the circumstances in greater detail. Based on the circumstances which led to the drilling into the CV and safety related rebar, we wanted to get a thorough and relatively quick understanding of the causes and consequences. We debated just sending out some DCI inspectors to assist the residents under 35007, and in fact, did have great support from Katie Steddenbenz earlier this week. We also looked to Appendix C of MC 2504 to consider the thresholds for a reactive inspection. We decided that a special inspection would be the best way to meet our objectives. The attached decision form from 2504 documents the basis for the decision. This is the first SIT we have done for construction.

I am the coordinating the inspection, so feel free to contact me if you have any questions. Eric Michel is the inspection team lead. Chad Oelstrom and Phil O'Bryan from DCIP are on the team. (If you don't know Phil, he is very experienced and will be a great asset for the team. He was the SRI at Brunswick before he went to DCIP.) The team will be on site next week.

Patrick Heher and Cynthia Taylor have worked with DCI to develop Communications Plan and Message Map. Please familiarize yourself with the "Key Messages" in case you get questions. The links are below:

• Communications  
Plan: [http://fusion.nrc.gov/regions/rii/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Plan%20-%20Summer%20CV%20Drilling%20Issue%20SIT%20\(R%20Rev%202\).docx](http://fusion.nrc.gov/regions/rii/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Plan%20-%20Summer%20CV%20Drilling%20Issue%20SIT%20(R%20Rev%202).docx)

• Message Map:  
[http://fusion.nrc.gov/regions/rii/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Message%20Map%20\(Summer%20CV%20Drilling%20Issue\)%20Rev2.dotx](http://fusion.nrc.gov/regions/rii/cci/dcp/cpb4/Shared%20Documents/Communications/Communications%20Message%20Map%20(Summer%20CV%20Drilling%20Issue)%20Rev2.dotx)  
Please let me know if you have any questions, and have a safe/warm weekend.

Jamie M. Heisserer  
Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)  
(b)(6) (Cell)

Page 669 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 670 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 671 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 672 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 673 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 674 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 675 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 676 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 677 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 678 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 679 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 680 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 681 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 682 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 683 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 684 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 685 of 960

Withheld pursuant to exemption

Duplicate Record

of the Freedom of Information and Privacy Act

**Steddenbenz, Katherine**

---

**From:** SALTER, JAMES FINDLAY <JAMES.SALTER@scana.com>  
**Sent:** Tuesday, February 24, 2015 6:01 PM  
**To:** Michel(R2), Eric  
**Subject:** FW: NRC Special Inspection [Open Actions]  
**Attachments:** NRC CV Rebar Impact SIT Inspection Question.docx

Eric,

Let me know if you have any additional needs at this time beyond the attached list.

Also, Let me know if I was able to capture the IOC adequately. There might have been some confusion between what was an IOC vs Open Question..

Thanks,  
Findlay



## Steddenbenz, Katherine

---

**From:** YOUNG, KYLE MATTHEW <KYLE.YOUNG@scana.com>  
**Sent:** Friday, February 20, 2015 2:44 PM  
**To:** Donnelly, Patrick; Chandler, Timothy; Karlovich, Nicholas; Oelstrom, Chad; OBryan, Phil; Michel(R2), Eric  
**Cc:** Wills Jr, Edward; SALTER, JAMES FINDLAY; RICE, APRIL R; SANDERS, GARRETT R  
**Subject:** FW: Stop Work Order Notification  
**Attachments:** CBI Interoffice Correspondence\_Stop Work \_02\_20\_2015.pdf  
  
**Importance:** High

FYI. This is an interim corrective action from the Coring/CV issue.

---

**From:** Richards, Lydia X (Jenkinsville) [mailto:lydia.x.richards@cbi.com]  
**Sent:** Friday, February 20, 2015 2:12 PM  
**To:** Hughes, Joseph P; Allen, David D  
**Cc:** Wood, Bill; Wills Jr, Edward; Kenneth W. Hollenbach; YOUNG, KYLE MATTHEW  
**Subject:** Stop Work Order Notification  
**Importance:** High

\*\*\*This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

---

Please see attachment.



Lydia (X) Richards  
Senior Administrative Assistant  
Power  
Tel: +1 803-932-5631  
Cell: (b)(6)  
Fax: +1 803-932-5669  
[lydia.x.richards@cbi.com](mailto:lydia.x.richards@cbi.com)

CB&I  
V.C. Summer  
Jenkinsville, SC 29065  
United States  
[www.CBI.com](http://www.CBI.com)



~~This e-mail and any attached files may contain CB&I (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.~~

Page 688 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 689 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 690 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 691 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 692 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 693 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 694 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 695 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 696 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 697 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 698 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 699 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 700 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 701 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 702 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 703 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 704 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 705 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 706 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 707 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 708 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 709 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 710 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 711 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 712 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 713 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 714 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 715 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 716 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 717 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 718 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 719 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 720 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 721 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 722 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 723 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 724 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 725 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 726 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 727 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 728 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 729 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 730 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 731 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 732 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 733 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 734 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 735 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 736 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 737 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 738 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 739 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 740 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 741 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 742 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 743 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 744 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 745 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 746 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 747 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 748 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 749 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 750 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 751 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 752 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 753 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 754 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 755 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 756 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

## Steddenbenz, Katherine

---

**From:** Burk, Sean M <sean.burk@cbi.com>  
**Sent:** Wednesday, February 25, 2015 11:47 AM  
**To:** Voss, Drew; Dahlberg, Chris; Tate, William; Pitre, Mark A.; Arnall, John R; Magnarelli, Dan (Westinghouse); Tate, Terry L; Dykstra, Fred; Khan, Arshad; Sawicki, Jay; De Torres, Gerardo; Cole, Robert; YOUNG, KYLE MATTHEW; Morgan, William J; Steinem, John R; Evenson, Ryan; Senterfeit, Forrest H; Henderson, Calvin; Hollenbach, Kenneth W; Anderson, Cory; Hughes, Joseph P; Capitano, Charles J.; Ezell, Jason; Yeliseyev, John; Fleetwood, Andrew S; Sedey, Raymond; Bettasso, Daniel; Kalish, Jamey; Copeland, Terry; Hulon, Stephen M; Anderson, Michael V; Wood, Bill; Donnelly, Patrick; OBryan, Phil; Oelstrom, Chad; Michel(R2), Eric; Salter, James F; Steele, Robert J  
**Cc:** McClung, Bradley; Drewett, George; Crawley, David (Westinghouse); Kaufman, Eric; Powell, Daniel; Zimmers, Erik; Brogdon, Jeff; Dunaway, Michael J; Comer, James; Wills Jr, Edward; Faulkner, Kevin A.; Parente, Dave (Westinghouse); Vine, Robert; Keane, Brian; 'CATLEDGE, JOHN THOMAS'; Getty, Kathleen; Chandler, Timothy; Kozlowsky, David; Williams, Terry; Williams, Elmer; Bonkosky, Jeffrey; Hamilton, Brent A; Karmozyn, James; Smith, Jarred; Hobbs, Brian  
**Subject:** RE: Interim Actions Team - Core Drill contact with Vessel  
**Attachments:** Interim Actions Team Actions.xlsx

Please see updated AIL for the Interim and Immediate Actions Team. Jim Karmozyn, we need the criteria ASAP.

Sean M. Burk  
Senior Director  
Project Management  
Power  
Nuclear  
Tel: +1 803 575 3181  
Cell: +1 803 807 8042

[Sean.Burk@CBI.com](mailto:Sean.Burk@CBI.com)

CB&I  
VC Summer Site  
Jenkinsville, SC

[www.CBI.com](http://www.CBI.com)



-----Original Appointment-----

**From:** Burk, Sean M  
**Sent:** Wednesday, February 18, 2015 5:11 PM  
**To:** Burk, Sean M; Voss, Drew; Dahlberg, Chris; Tate, William; Pitre, Mark A.; Arnall, John R; Magnarelli, Dan (Westinghouse); Tate, Terry L; Dykstra, Fred; Khan, Arshad; Sawicki, Jay; De Torres, Gerardo; Cole, Robert; YOUNG, KYLE MATTHEW; Morgan, William J; Steinem, John R; Evenson, Ryan; Senterfeit, Forrest H; Henderson, Calvin; Hollenbach, Kenneth W; Anderson, Cory; Hughes, Joseph P; Capitano, Charles J.; Ezell, Jason; Yeliseyev, John; Fleetwood, Andrew S; Sedey, Raymond; Bettasso, Daniel; Kalish, Jamey; Copeland, Terry; Hulon, Stephen M; Anderson, Michael V; Wood, Bill; 'Donnelly, Patrick'; 'OBryan, Phil'; Oelstrom, Chad; Michel(R2) Eric; Salter, James F; Steele, Robert J  
**Cc:** McClung, Bradley; Drewett, George; Crawley, David (Westinghouse); Kaufman, Eric; Powell, Daniel; Zimmers, Erik; Brogdon, Jeff; Dunaway, Michael J; Comer, James; Wills Jr, Edward; Faulkner, Kevin A.; Parente, Dave (Westinghouse);

Vine, Robert; Keane, Brian; 'CATLEDGE, JOHN THOMAS'; Getty, Kathleen; 'Chandler, Timothy'; Kozlowsky, David; Williams, Terry; Williams, Elmer; Bonkosky, Jeffrey; Hamilton, Brent A

**Subject:** Interim Actions Team - Core Drill contact with Vessel

**When:** Wednesday, February 25, 2015 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).

**Where:** OCC

Purpose of this meeting is to:

Review the actions from 2/23 meeting.

Please see updated action list. Thanks to all for your efforts so far. Only those that have actions identified are required to attend this meeting.

<< File: Interim Actions Team Actions.xlsx >>

~~This e-mail and any attached files may contain CB&I (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.~~



Page 759 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

**Steddenbenz, Katherine**

---

**From:** Heisserer, Jamie  
**Sent:** Friday, March 13, 2015 11:08 AM  
**To:** McCree, Victor; Brown, Frederick; Yerokun, Jimi; Jones, William  
**Cc:** Beardsley, James; Michel(R2), Eric  
**Subject:** End of week Summer SIT update  
**Attachments:** VCS CVBH after.jpg; VCS CVBH before.jpg

Good morning,

This week, VC Summer completed repairs to the containment vessel bottom head. Attached are some clear pictures of the damage and subsequent repair. Chad Oelstrom observed the repair and non-destructive examination. The CVBH was repaired in accordance with code, and the thickness meets design requirements.

The team expects to receive the final dispositions on the impacted rebar early next week and the final root cause evaluation at the end of next week. If the licensee meets their intended schedule, the team should complete their reviews and conduct the final exit meeting by March 27.

If you have any questions, please let me know.

**Jamie M. Heisserer**

Chief, Construction Inspection Branch 2  
Region II - Division of Construction Inspection  
U.S. Nuclear Regulatory Commission  
(404) 997-4451 (Office)

(b)(6) (Cell)

Page 761 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 762 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

**Steddenbenz, Katherine**

---

**From:** Michel(R2), Eric  
**Sent:** Monday, April 20, 2015 2:49 PM  
**To:** Oelstrom, Chad; OBryan, Phil  
**Subject:** FW: CVBH RCA  
**Attachments:** CAR 2015-0539 Root Cause Report - Final 04-09-2015.pdf; NND-15-0254 Corrective Action Report 2015-0539- Containment Vessel Bottom Head.pdf

Chad and Phil,

FYI here is the CB&I root cause and associated SCE&G Project Letter. I'll be reviewing this week.

Eric

---

**From:** SANDERS, GARRETT R [mailto:GARRETT.SANDERS@scana.com]  
**Sent:** Monday, April 20, 2015 10:52 AM  
**To:** Michel(R2), Eric  
**Cc:** SALTER, JAMES FINDLAY  
**Subject:** CVBH RCA

Please let me know if you have any questions regarding the attached.

Page 764 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 765 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 766 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 767 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 768 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 769 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 770 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 771 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 772 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 773 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 774 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 775 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 776 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 777 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 778 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 779 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 780 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 781 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 782 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 783 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 784 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 785 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 786 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 787 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 788 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 789 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 790 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 791 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 792 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 793 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 794 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 795 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 796 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 797 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 798 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 799 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 800 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 801 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 802 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 803 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 804 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 805 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 806 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 807 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 808 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 809 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 810 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 811 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 812 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 813 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 814 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 815 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 816 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 817 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 818 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 819 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 820 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 821 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 822 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 823 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 824 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 825 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 826 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 827 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 828 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 829 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 830 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 831 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 832 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 833 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 834 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 835 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 836 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 837 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 838 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 839 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 840 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 841 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 842 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 843 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 844 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 845 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 846 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act



Page 847 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 848 of 960

Withheld pursuant to exemption

(b)(4)

of the Freedom of Information and Privacy Act

Page 849 of 960

Withheld pursuant to exemption

Duplicate Record

of the Freedom of Information and Privacy Act