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March 12, 2009

**VIA FEDERAL EXPRESS**

Patrick A. Moulding, Esq.  
U.S. Nuclear Regulatory Commission  
Office of the General Counsel  
1155 Rockville Pike, Stop O-15 D21  
Washington, D.C. 20852-0001

**Re: Production of Southern Nuclear's Twenty-Third Supplemental Disclosures  
Docket No. 52-011-ESP**

Dear Mr. Moulding:

Enclosed is a CD containing the non-proprietary documents disclosed in Southern Nuclear's Twenty-Third Supplemental Disclosures of February 25, 2009. Also enclosed is an attachment that includes updated document descriptions and the beginning and ending bates number references of the documents being provided.

As previously discussed, to the extent any of the documents produced herein relate to proprietary, attorney-client communications or related work product, the production of the attached documents shall not be deemed a waiver of any attorney-client/work product protections or the stipulations agreed to in the ASLB's April 3, 2007 order.

If you have any questions regarding the enclosed documents, please contact me.

Sincerely,

K.C. Hairston

KCH/dkf

Attachments

Document No.	Beginning Bates	Ending Bates	Document Name	Document Date	Source	Document Type	Proprietary
SNC826	VESP_D0001679	VESP_D001679	E-mail from Tony Dodd to Matt Montz, et al. regarding postponed impingement sampling.	2/12/2009	Georgia Power Company	E-mail	
SNC827	VESP_D0001680	VESP_D001681	E-mail from Tony Dodd to Kenneth Middlebrooks, et al. regarding POD.	2/23/2009	Georgia Power Company	E-mail	
SNC828	VESP_D0001682	VESP_D001682	E-mail from Rick Bigelow to Frank Gill and Mark Barclay regarding module numbers.	2/23/2009	Shaw	E-mail	
SNC829	VESP_D0001683	VESP_D001684	E-mail from Steve Nance to Rick Bigelow regarding outfall piping.	2/11/2009	Shaw	E-mail	

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**From:** Dodd, Anthony Ray  
**Sent:** Thursday, February 12, 2009 8:03 PM  
**To:** Montz, Matthew Thomas; Candler, W. Jim; Blanton, Stan (Balch); 'ccoutant3@comcast.net'  
**Subject:** I-E study

**Follow Up Flag:** Follow up  
**Flag Status:** Yellow

Matt,  
I didn't learn until time arrived to pull the already post-poned day- sample pull (2030 hrs tonight) that operations/maintenance have not been able to restore power to the traveling screens. I have aborted the impingement sample effort this week and will attempt to try again next week in order to squeeze in two samples this month - will contact operations tomorrow to discuss a contact strategy so I can learn about restored power to the screens as soon as the repair is made.

Tony  
Tony Dodd, CFP  
Environmental Specialist  
Georgia Power Company  
Office: 404-799-2142  
BlkBry: 404-434-9412

FW: River Intake Sampling

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**From:** Dodd, Anthony Ray  
**Sent:** Monday, February 23, 2009 7:45 AM  
**To:** Middlebrooks, Kenneth D.  
**Cc:** Montz, Matthew Thomas; Blanton, Stan (Balch); Candler, W. Jim; 'Coutant, Chuck/Nancy'  
**Subject:** RE: River Intake Sampling  
**Follow Up Flag:** Follow up  
**Flag Status:** Yellow

Ken,

Thanks very much for helping our schedule needs last week in the wake of the breaker/switch repair at the intake.

I am sending this message today to confirm that you all can accommodate us again on the P.O.D. for the last scheduled sampling event *this* week during Wed -Thurs (25-26 MAR).

**Tony Dodd, CFP**  
Environmental Specialist

Georgia Power Environmental Lab  
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**From:** Middlebrooks, Kenneth D.  
**Sent:** Friday, February 13, 2009 1:00 PM  
**To:** Dodd, Anthony Ray  
**Subject:** RE: River Intake Sampling

Next week will be fine. You are still scheduled for Wednesday and Thursday the week after.

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**From:** Dodd, Anthony Ray  
**Sent:** Friday, February 13, 2009 12:33 PM  
**To:** Middlebrooks, Kenneth D.; Montz, Matthew Thomas; Candler, W. Jim  
**Subject:** Re: River Intake Sampling

Ken,

Thanks for this mssg. I do need to try to sample next week in addition to the week after which will mark the last intended sampling event. Would a Tues (2030 hrs) - Wed (0830 and 2030 hrs) schedule work for your group next week?

Tony Dodd, CFP  
Environmental Specialist  
Georgia Power Company  
Office: 404-799-2142

SNC827

VESP\_D0001680

FW: River Intake Sampling

BlkBry: 404-434-9412

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**From:** Middlebrooks, Kenneth D.  
**To:** Dodd, Anthony Ray  
**Sent:** Fri Feb 13 11:31:03 2009  
**Subject:** FW: River Intake Sampling

The screen wash system has been restored. I forgot about the switchgear outage at the river Thursday. Will you need to sample next week(2/18 and 19) or the following week finish your study?

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**From:** Walden, Kevin C.  
**Sent:** Thursday, February 12, 2009 10:19 AM  
**To:** Middlebrooks, Kenneth D.; Stuhaan, Chuck E.  
**Subject:** River Intake Sampling

Kenny and Chuck,

The environmental sampling at the River Intake Structure was supposed to happen today. However I did not realize that the switchgear outage was today as well. So we weren't able to rotate the screens this morning to get the sample from overnight. We'd like to extend this activity on the POD to include turning the screens tonight as planned as well as turning them tomorrow morning. The morning rotation would be an addition to the scope.

Thanks and if you need anything further, let me know.

*Kevin Walden*

Southern Company  
Plant Vogtle  
(706) 826-4290 (Office)  
(706) 826-3025 899 (Pager)  
KCWalden@southernco.com

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**From:** Bigelow, Richard [richard.bigelow@shawgrp.com]  
**Sent:** Monday, February 23, 2009 12:29 PM  
**To:** Gill, Frank G.; Barclay, Mark S.  
**Subject:** FW: 54 Barge Shipments

Frank/Mark:

Here's some info on the 54 shipments number.

Rick

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**From:** Nance, Steve  
**Sent:** Monday, February 23, 2009 1:07 PM  
**To:** Bigelow, Richard  
**Cc:** McConnell, Wayne  
**Subject:** RE: 54 Barge Shipments

Yes, it included both companies and as I recall, 27 were for Shaw modules. The list was assembled by Wayne McConnell based on a packing plan put together for Levy County and modified for Vogtle. He probably has the old list somewhere. I'll see him tomorrow at WEC and ask.

Steve S. Nance  
Project Engineer - AP1000 Vogtle 3&4  
Shaw Power Group  
(269)-369-6395

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**From:** Bigelow, Richard  
**Sent:** Monday, February 23, 2009 12:47 PM  
**To:** Nance, Steve  
**Subject:** 54 Barge Shipments

Steve:

In one of the e-mails that went back and forth when the river dredging issue was first discovered, there was a mention of 54 barge shipments. Do you remember what the basis for that number was? WEC now thinks they only need around 30, but that 54 number is in everybody's mind and we're getting questions on the number.

Did 54 include both Shaw and WEC shipments?

Thanks.

Rick

**Rick Bigelow**  
Prime Contract Manager - Vogtle 3 & 4 AP1000  
Shaw Power - Nuclear  
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**From:** Nance, Steve  
**Sent:** Wednesday, February 11, 2009 9:28 AM  
**To:** Bigelow, Richard  
**Subject:** FW: Outfall piping

For evaluation

Steve S. Nance  
Project Engineer - AP1000 Vogtle 3&4  
Shaw Power Group  
(269)-369-6395

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**From:** Moorer, Tom C. [mailto:TCMOORER@southernco.com]  
**Sent:** Monday, February 09, 2009 12:33 PM  
**To:** Nance, Steve; McCallum, Thomas O.  
**Subject:** RE: Outfall piping

Steve:

It would be very difficult, although not impossible, to relocate the discharge piping to a point upstream of the current location. The Unit 3 and 4 discharge currently is ~400 feet downstream of the Units 1 and 2 discharge. All of the environmental analyses for the thermal plume are based on a model known as CORMIX and one of the primary inputs to CORMIX for a two discharge plumes is the physical location of the discharges. The thermal discharge is included in one of the contentions currently before the ASLB. You point out another concern in your email that our current understanding is that the arrangement with the liquid radwaste line tie in, and the distance after mixing to the discharge point may also be a problem.

having said the above, I suggest that we have a quick call between you, anyone you feel should listen, and the "two Toms" to discuss how we need to address this concern.

TCM

**Thomas C. Moorer**  
**Southern Nuclear Development**  
**Project Manager - Environmental**  
**(205) 992-5807 (office)**  
**(205) 585-1344 (cell)**  
**(205) 438-1886 (LINC)**  
**(205) 992-6108 (FAX)**

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**From:** Nance, Steve [mailto:steve.nance@shawgrp.com]  
**Sent:** Monday, February 09, 2009 11:18 AM  
**To:** McCallum, Thomas O.; Moorer, Tom C.  
**Subject:** Outfall piping

Tom(s),

We're trying to finish up the detailed design on the WWS outfall and are coming up against the lousy soil conditions that seem to plague everything we do. The current design shown in the ESP has the discharge point for the mixed waste (radioactive/non) located roughly 500 feet south of the barge slip. Prior to discharge the two streams are combined in a mixing volume and then the combined effluent released.

Currently, in order to properly support the mixing structure crib, it will need to be located onshore by about 900 feet. This will need to be reviewed against the draft NUREG which, I believe, requires the WLS stream to be much closer to the release point. The second issue is that the outfall pipe will need to be anchored at points along the final stage of the line and this is made problematic by the soil as well.

So, my question is...

Within the confines of the ESP and other evaluations, what flexibility is provided in the possible relocation of the discharge point? For example, could it be moved to a point upstream of the barge slip (proximity to the intake) much as the Unit 1&2 configuration is located?

Steve S. Nance  
Project Engineer - AP1000 Vogtle 3&4  
Shaw Power Group  
(269)-369-6395

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