

From: Alicia Williamson
To: Cristina Guerrero
Date: 7/19/05 9:04AM
Subject: Fwd: Sue's note to file to replace the (Sargeant 2005) and(Thompson2005) citations in Ch 2 and 4...

We will probably need to put this email with the previous Sue Sargeant email already docketed..... Ill let u know whenever things are finalized probably sometime today.

ARW1

Mail Envelope Properties (42DCFA6D.F7C : 23 : 3554)

Subject: Fwd: Sue's note to file to replace the (Sargeant 2005)
and(Thompson2005) citations in Ch 2 and 4...
Creation Date: 7/19/05 9:04AM
From: Alicia Williamson
Created By: ARW1@nrc.gov

Recipients

owf4_po.OWFN_DO
CXG3 (Cristina Guerrero)

Post Office

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MESSAGE
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Date & Time

07/19/05 09:04AM

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

From: "Parkhurst, Mary Ann" <maryann.parkhurst@pnl.gov>
To: Richard Emch <RLE@nrc.gov>, Alicia Williamson <ARW1@nrc.gov>
Date: 7/18/05 4:32PM
Subject: Sue's note to file to replace the (Sargeant 2005) and(Thompson2005) citations in Ch 2 and 4...

Rich and Alicia,

Neither Sue nor Amanda (nor Mike Sackschewsky) are in their respective offices this afternoon, so I don't have an answer yet on the B.A.

My understanding from rereading Sue's email is that the additional information she received is summarized at the bottom of her July 8 email and reads as follows.

During the NRC's site visit to the Brunswick Steam Electric Plant (BSEP) on January 25, 2005, Tom Thompson (Progress Energy, Environmental Services) and Susan Sargeant (PNNL) discussed issues regarding aquatic resources surrounding the BSEP site and how the BSEP affected these resources. Some of the topics that were discussed do not appear in the Applicant's Environmental Report, but were included draft Supplemental Environmental Impact Statement. These topics include the design and operation of the BSEP cooling water intake system and Progress Energy plans for 316(b) compliance under EPA's new rule on cooling water intake systems, the limited number of previous sightings of West Indian manatees (*Trichechus manatus*) in the Cape Fear Estuary, and the recent introduction of an invasive red algae species from Asia, *Gracilaria tenuistipitata*, and how this algae has

> affected plant operations. Regarding BSEP plans for compliance with 316(b) of the Clean Water Act, Tom Thompson indicated in an e-mail to Susan Sargeant on January 26, 2005 that "The Proposal for Information Collection for 316(b) compliance will be submitted to the state as soon as we have completed it. The final due date for results from our studies is January 2008." Regarding the West Indian manatee, Tom Thompson indicated during conversations on January 25, 2005, that there he was aware of only two documented sightings of the manatee in the Cape Fear Estuary. He was not aware of any occurrences of the manatee at, or in the close vicinity of, the BSEP.

Regarding the non-native invasive algae species *Gracilaria tenuistipitata*, Tom Thompson related during conversations on January 25, 2005 that the algae caused several water blockage problems at the diversion structure at the entrance to the intake canal in 2001. To alleviate the problem, the diversion structure screens are now on a 7-day per week cleaning and maintenance schedule.

Prepared by Susan Sargeant (PNNL) on June 17, 2005.

I will confirm with Sue, but I believe this fully covers the information she received for documentation.

Mary Ann Parkhurst
Staff Scientist
Radiological Science and Engineering Group
Battelle (PNNL), K3-55
(509) 375-6893

Fax (509) 375-6936
P. O. Box 999
Richland, WA 99352
[Express mail street address:
902 Battelle Blvd]

> -----Original Message-----

> From: Sargeant, Susan L
> Sent: Friday, July 08, 2005 8:58 AM
> To: 'Richard Emch'; Parkhurst, Mary Ann
> Cc: Alicia Williamson; Miller, Beverly M; sue.sargeant@pnl.gov
> Subject: RE: FW: Sue's note to file to replace the (Sargeant
> 2005) and(Thompson2005) citations in Ch 2 and 4...

>
> All - as you can see from my note on the subject at the very bottom of
> this message, a small part of the information was given to me in the
> form of a written communication (e-mail), which I've provided below.
> The large remainder was information shared in our verbal discussions
> during the site visit and there is no hard copy documentation. - Sue

>

> -----

> Sue,
> I reviewed the most recent report (2002-2003) on the Lower Cape Fear
> River program website and found no mention of any aquatic T&E species.
> I have voice mail in to Dr. Tom Lankford who heads up the fisheries
> program for the LCFRP to see if anything was found and not mentioned
> in the report. I did manage to speak with Dr. Fred Sharf who is
> conducting a red drum project for the state. Fred has some sampling
> stations behind Bald Head Island and collected nothing unusual last
> year. I really need to speak with Tom since he is sampling the areas
> where some of the aquatic T&E species might be found.

>

> One non-native species I failed to mention was the occasional
> collection of a grass carp at locations sampled by the lower Cape Fear
> River Program. A discussion can be found in the report that I have
> linked to you below.

>

> The Proposal for Information Collection for 316(b) compliance will be
> submitted to the state as soon as we have completed it. The final due
> date for results from our studies is January 2008. One thing I forgot
> to mention yesterday is that we have hired a statistical consultant to
> aid in data analysis with respect to 316(b).

>

> Below I've listed names and phone numbers for some of the contacts I
> mentioned yesterday.

>

> Mr. Rich Carpenter, Director southern region North Carolina Division
> of Marine Fisheries, 910 395-3900
> Dr. Thomas Lankford, UNC-Wil, Lower Cape Fear River Program,
> fisheries, 910 962-2381
> Dr. Fred Sharf, UNC-Wil, fisheries, 910 962-7796
> Dr. Michael Mallin, UNC-Wil, Lower Cape Fear River Program, water
> quality/chemistry, 910 962-2358

>

>

> <http://www.uncwil.edu/cmsr/aquaticceology/lcfrp/>
>
> Tom Thompson
> Progress Energy
> Environmental Services
> PEB 7
> 919-546-2102, vnet 770-2102
> -----
>
> -----Original Message-----
> From: Richard Emch [mailto:RLE@nrc.gov]
> Sent: Friday, July 08, 2005 8:48 AM
> To: Parkhurst, Mary Ann
> Cc: Alicia Williamson; Miller, Beverly M; sue.sargeant@pnl.gov
> Subject: Re: FW: Sue's note to file to replace the (Sargeant 2005)
> and(Thompson2005) citations in Ch 2 and 4...
>
>
> Mary Ann,
>
> Did she get the info in an email; we can docket the email. If not we
> can get CP&L to send an email docketing the info.
>
>
> Rich
>
> >>> "Parkhurst, Mary Ann" <maryann.parkhurst@pnl.gov> 06/17/05 02:25PM
>
> >>> >>>
> Rich,
>
> I hope you are feeling a lot better now. Traveling when you are not
> feeling well is never any fun.
>
> Sue provided the information to be placed in NRC notes regarding her
> conversation with currently cited as (Sargeant 2005) and (Thompson
> 2005). I had assumed that Mr. Thompson was from a local agency and
> did not realize he is an Progress Energy employee. I think we have
> two options here--either use her notes below and cite as (NRC 2005) or
> reference Progress Energy (or would it be CP&L) on the email and
> reference the SEIS.
>
> Your call.
>
> Mary Ann Parkhurst
> Staff Scientist
> Radiological Science and Engineering Group
> Battelle (PNNL), K3-55
> (509) 375-6893
> Fax (509) 375-6936
> P. O. Box 999
> Richland, WA 99352
> [Express mail street address:
> 902 Battelle Blvd]
>
>

> > -----Original Message-----

> > From: Sargeant, Susan L
> > Sent: Friday, June 17, 2005 10:55 AM
> > To: Parkhurst, Mary Ann; Miller, Beverly M
> > Subject: Sue's note to file to replace the (Sargeant 2005) and
> > (Thompson 2005) citations in Ch 2 and 4...

> >

> > June 17, 2005

> > Mary Ann & Bev,

> > There are currently two citations in the draft SEIS for the
> Brunswick

> > Steam Electric Plant that refer to the same information. They are
> > (Sargeant 2005) and (Thompson 2005). At the writing meeting in
> > Richland, Washington on June 13 and 14, 2005, it was suggested that
> > these citations be replaced with a single citation for NRC 2005. It

>

> > would reference a "note to file" by Susan Sargeant (PNNL) that could

>

> > be assigned an Accession Number. I have reviewed my notes from the
> > Brunswick Steam Electric Plant site assessment on January 25, 2005,

> as

> > well as an e-mail communication that I received from Tom Thompson on

>

> > January 26, 2005. A summary of these personal communications

> follows.

> > I'm not sure if there is some format I should follow or not, so if

> > this doesn't look right, just let me know! - Sue

> >

> > -----

> > -----

> > During the NRC's site visit to the Brunswick Steam Electric Plant
> > (BSEP) on January 25, 2005, Tom Thompson (Progress Energy,
> > Environmental Services) and Susan Sargeant (PNNL) discussed issues
> > regarding aquatic resources surrounding the BSEP site and how the
> BSEP

> > affected these resources. Some of the topics that were discussed do
> > not appear in the Applicant's Environmental Report, but were
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> > draft Supplemental Environmental Impact Statement. These topics
> > include the design and operation of the BSEP cooling water intake
> > system and Progress Energy plans for 316(b) compliance under EPA's
> new

> > rule on cooling water intake systems, the limited number of previous
> > sightings of West Indian manatees (*Trichechus manatus*) in the Cape
> > Fear Estuary, and the recent introduction of an invasive red algae
> > species from Asia, *Gracilaria tenuistipitata*, and how this algae has
> > affected plant operations.

> > Regarding BSEP plans for compliance with 316(b) of the Clean Water
> > Act, Tom Thompson indicated in an e-mail to Susan Sargeant on
> January

> > 26, 2005 that "The Proposal for Information Collection for 316(b)

> > compliance will be submitted to the state as soon as we have
> completed

> > it. The final due date for results from our studies is January
> 2008."

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> > conversations on January 25, 2005, that there he was aware of only
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> > documented sightings of the manatee in the Cape Fear Estuary. He
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> > not aware of any occurrences of the manatee at, or in the close
> > vicinity of, the BSEP.
> > Regarding the non-native invasive algae species Gracilaria
> > tenuistipitata, Tom Thompson related during conversations on January
> > 25, 2005 that the algae caused several water blockage problems at
> the
> > diversion structure at the entrance to the intake canal in 2001. To
> > alleviate the problem, the diversion structure screens are now on a
> > 7-day per week cleaning and maintenance schedule.
> >
> > Prepared by Susan Sargeant (PNNL) on June 17, 2005.
> >
> >
> > -----
> > Sue (Sargeant) Southard
> > Research Scientist / Scientific Diver
> > Battelle Marine Sciences Laboratory
> > 1529 West Sequim Bay Road
> > Sequim, WA 98382
> > (360) 681-3615 phone
> > (360) 681-3681 fax
> > sue.southard@pnl.gov
> > -----
> >

CC: "Miller, Beverly M" <Beverly.Miller@pnl.gov>, <sue.sargeant@pnl.gov>, "Sargeant,
Susan L" <sue.southard@pnl.gov>