From: "^PNNL NRC Vogtle" <nrc.vogtle@pnl.gov>
To: <VOGTLE_EIS@nrc.gov>
Date: 5/7/2007 1:10:21 PM
Subject: FW: SRS studies

From: John S Clarke [mailto:jsclarke@usgs.gov]
Sent: Friday, December 29, 2006 8:09 AM
To: Cook, Christopher B
Cc: John S Clarke; Gregory S Cherry; Edward H Martin
Subject: RE: SRS studies

Chris--That sounds great--We would need to discuss whether modifications to simulate Pen Branch fault effects would be needed. This would increase the scope, timeline, and cost of the study. I will look forward to hearing from Mark. I will be the point of contact and will bring Greg Cherry into subsequent discussions as needed.

"Cook, Christopher B" <Chris.Cook@pnl.gov>

12/28/2006 04:17 PM

To
"John S Clarke" <jsclarke@usgs.gov>
cc
"Mark Notich" <mdn@nrc.gov>
Subject
RE: SRS studies

John,
I just wanted to touch base with you regarding the SRS Site MODFLOW/MODPATH models. As you may recall, we are interested in this body of research because pumping may increase at Plant Vogtle if two new nuclear reactors are constructed. An application for an Early Site Permit (ESP) has been submitted to the NRC, and we (NRC and PNNL) are in

the process of drafting an Environmental Impact Statement (EIS), which must be completed before the ESP can be granted.

We would like to discuss what specific steps you (or Greg Cherry) would need to carry out in order to simulate the effects of increased pumping at the Vogtle Site. My thought is that this analysis should discuss any redistribution of particle paths released under the SRS and any significant changes in travel times from the SRS to the Savannah River/Plant Vogtle. A brief summary report, like the Fort Stewart report you sent, would also need to be prepared.

Mark Notich from the NRC will be contacting you in early January to discuss these items, plus what types of contract vehicles are available from the NRC to the USGS. If you have time to begin thinking about costs, specific tasks necessary to perform this analysis, and a tentative schedule, we would appreciate it.

Best regards,
Chris

Christopher B. Cook, Ph.D.
Senior Research Engineer
Pacific Northwest National Laboratory
P.O. Box 999 Mail Stop K9-33
Richland, WA 99352
ph: (509) 375-6878 fax: (509) 372-6089

From: John S Clarke [mailto:jsclarke@usgs.gov]
Sent: Monday, November 27, 2006 1:17 PM
To: Cook, Christopher B
Subject: Fw: SRS studies

----- Forwarded by John S Clarke/WRD/USGS/DOI on 11/27/2006 04:15 PM -----
John S Clarke/WRD/USGS/DOI

11/27/2006 03:54 PM

To
chriscook@pnl.gov
cc
John S Clarke/WRD/USGS/DOI@USGS, Gregory S Cherry/WRD/USGS/DOI@USGS
Subject
SRS studies

Chris--We recently published the final report on a study that updated the modeling work we did back in the 90s. The report updates to 2002 conditions, uses finer-resolution particle tracking, and simulates projected changes in water use in the area. The report can be obtained at:

http://pubs.usgs.gov/sir/2006/5195/
(in addition to model results, the report includes potmaps, gw level data, climatic data, and water use data for 2002)

The original model study:

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Ground-water levels from previous study:

http://pubs.usgs.gov/wri/wri97-4197/

The Fort Stewart :

http://pubs.usgs.gov/of/2006/1148/

Hearing Identifier: Vogtle_Public
Email Number: 346

Mail Envelope Properties (463F365C.HQGWDO01.TWGWPO04.200.2000013.1.A6F4B.1)

Subject: FW: SRS studies
Creation Date: 5/7/2007 1:10:21 PM
From: "^PNNL NRC Vogtle" <nrc.vogtle@pnl.gov>

Created By: nrc.vogtle@pnl.gov

Recipients
<VOGTLE_EIS@nrc.gov>

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Files	**Size**	**Date & Time**
MESSAGE	3447	5/7/2007 1:10:21 PM
TEXT.htm	7452	5/7/2007 2:23:24 PM
Mime.822	13540	5/7/2007 2:23:24 PM

Options
Priority: Standard
Reply Requested: No
Return Notification: None
None

Concealed Subject: No
Security: Standard

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