

## PMNorthAnna3COLNPEmails Resource

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**From:** Alicia Williamson  
**Sent:** Tuesday, April 08, 2008 3:55 PM  
**To:** tony.banks@dom.com; Laura Quinn  
**Cc:** Sandusky, William F III; adam.davis@pnl.gov  
**Subject:** Please review 'Information Needs for NAPS Site Audit'  
**Attachments:** Information Needs for NAPS Site Audit.doc

Please review the attached document.

**Hearing Identifier:** NorthAnna3\_NonPublic\_EX  
**Email Number:** 301

**Mail Envelope Properties** (Alicia.Williamson@nrc.gov20080408155400)

**Subject:** Please review 'Information Needs for NAPS Site Audit'  
**Sent Date:** 4/8/2008 3:54:35 PM  
**Received Date:** 4/8/2008 3:54:00 PM  
**From:** Alicia Williamson

**Created By:** Alicia.Williamson@nrc.gov

**Recipients:**

"Sandusky, William F III" <bill.sandusky@pnl.gov>  
Tracking Status: None  
"adam.davis@pnl.gov" <adam.davis@pnl.gov>  
Tracking Status: None  
"tony.banks@dom.com" <tony.banks@dom.com>  
Tracking Status: None  
"Laura Quinn" <Laura.Quinn@nrc.gov>  
Tracking Status: None

**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	44	4/8/2008 3:54:00 PM
Information Needs for NAPS Site Audit.doc		121850

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:** Review

## Information Needs for the North Anna Site Audit April 14-18, 2008

#	Information Needs	Discipline
1	Provide staff or contractors that are knowledgeable with calculations and chosen input data for estimating the impact of both routine and accidental releases from the proposed Unit 3 site.	Severe Accidents
2	Provide staff or contractors that are knowledgeable with the SAMA calculations for Unit 3 site and how that might be impacted by similar SAMA calculations from the Unit 1 and 2 sites.	Severe Accidents
3	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to design basis accident information presented in the ESP EIS.	Accidents
4	Provide staff or contractors that are knowledgeable with the social structure of the various counties surrounding the site.	Socioeconomics/EJ
5	Provide staff or contractors that are knowledgeable with the real estate market, tax structure, and distribution of revenues in the various jurisdictions of the counties surrounding the site.	Socioeconomics/EJ
6	Provide staff or contractors that are knowledgeable of the land-use plans for the various jurisdictions of the counties surrounding the site.	Socioeconomics/EJ
7	Provide staff or contractors that have been involved in any outreach activities to various communities in the region of the site.	Socioeconomics/EJ
8	Provide staff or contractors that were involved in estimating labor and material and service needs during construction and operation of the plan.	Socioeconomics/EJ
9	Provide staff or contractors that are familiar with impact assessments resulting from construction and plant operations.	Socioeconomics/EJ
10	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to socioeconomic and environmental justice related information presented in the ESP EIS.	Socioeconomics/EJ
11	Provide staff or contractors that are knowledgeable on archaeological or historical surveys or investigations that have been done on the NAPS site, along the transmission corridor for the new transmission line, or any areas that will be disturbed as result of road widening activities.	Cultural Resources
12	Provide staff or contractors that are knowledgeable all consultations with the state regarding the projects impact on historical properties in and around the area of the proposed Unit 3.	Cultural Resources

#	Information Needs	Discipline
13	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to cultural resource information presented in the ESP EIS.	Cultural Resources
14	Provide staff and/or contractors at the site audit who can address planned land use for one unit compared to that defined in the ESP EIS for two units.	Land Use
15	Provide staff and/or contractors at the site audit who can address the status of the planned new unit with respect to the Virginia State Corporation Commission.	Land Use
16	Provide staff or contractors at the site audit who can address transportation of construction materials via the existing onsite rail spur and heavy haul road to the site.	Land Use
17	Provide staff and or contractors at the site audit who can address any planned preconstruction activities and required approvals.	Land Use
18	Provide staff and/or contractors at the site audit who can address any requirement of land use related approvals for either state or local organizations.	Land Use
19	Provide staff and/or contractors at the site audit who can address new and significant information regarding land uses beyond those identified in the ESP EIS	Land Use
20	Make staff available at the site audit who can address the role of ODEC with respect to regulatory approvals and potential energy alternative options.	Energy Alternatives
21	Make staff available at the site audit who can address the current status and future plans by Dominion and ODEC in the areas of demand site management and energy conservations programs.	Energy Alternatives
22	Make staff available at the site audit who can address the role and future plans of Dominion and ODEC with respect to a state renewable portfolio standard program.	Energy Alternatives
23	Make staff available at the site audit who can address Coal combustion byproduct management.	Energy Alternatives
24	Make staff available at the site audit who can address estimated pollutant emissions from each potential alternative fuel sources.	Energy Alternatives
25	Make staff available at the site audit who can address actual location for any alternative fuel source and associated cooling system design.	Energy Alternatives
26	Make staff available at the site audit who can address location and cost to utilize alternative fuel sources.	Energy Alternatives
27	Provide staff that can address issues related to Dominion's application to the Virginia Corporation Commission for a certificate of public convenience.	Need For Power
28	Provide staff and or contractors that can address any potential new developments related to the Need for Power since the application was filed and has knowledge of assessing the growth of demand within the applicant area of interest.	Need For Power

#	Information Needs	Discipline
29	Provide copies of or access to the most recent annual technical analysis document (PJM annual report). Also provide access to staff or contractors that are knowledgeable in the process used to complete this analysis.	Need For Power
30	Provide staff or contractors that are knowledgeable with the current status of authorizations form consultations with Federal, State, Regional, and local governments as well as affected Native American tribal agencies	Site and Technical Overview
31	Provide staff or contractors that are knowledgeable of or have access to aerial views or perspective drawing of the site with an indication of the facility boundary.	Site and Technical Overview
32	Provide staff or contractors that are knowledgeable of or will be involved in the architectural design of the plant, landscaping, and associated facilities	Site and Technical Overview
33	Provide staff or contractors that are knowledgeable to discuss the estimated solid radwaste volume for Unit 3.	Radiological Waste
34	Provide staff or contractors that are knowledgeable regarding TLD measurements for the years of 2003-2007.	Radiological Waste
35	Provide staff or contractors that are knowledgeable regarding construction worker dose calculations as well as any radiological releases to groundwater.	Radiological Waste
36	Provide staff or contractors that are knowledgeable of the annual radiological environmental monitoring program and how the data is collected and analyzed.	Radiological Waste
37	Provide staff or contractors that are knowledgeable regarding dose calculations from the ISFSI.	Health Physics
38	Provide staff or contractors that are knowledgeable regarding dose calculations at the nearest residence, garden, and meat cow and can discuss the changes in dispersion estimates from those listed in the ESP FEIS.	Health Physics
39	Provide staff or contractors that are knowledgeable of mixed waste generation doses resulting from ESBWR reactor design and how that compares to information contained in the ESP FEIS.	Health Physics
40	Provide staff or contractors that are knowledgeable of the key components of the planned Waste Minimization Program.	Health Physics
41	Provide the most recent version of both the Annual Radioactive Effluent Release and Radiological Environmental Operating Reports.	Health Physics
42	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to radiological related information presented in the ESP EIS.	Health Physics
43	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to the meteorology and air quality information presented in the ESP EIS.	Meteorology and Air Quality

#	Information Needs	Discipline
44	Provide staff or contractors at the site audit who can address the confirmatory study for the cooling system impacts, as referenced in section 5.3 of the ER.	Meteorology and Air Quality
45	Provide staff or contractors at the site audit that can discuss the construction impacts mitigation plan as it applied to reduction of air quality impacts.	Meteorology and Air Quality
46	Provide staff or contractors that are knowledgeable of the cumulative impact of non-radiological releases for the NAPS site with Unit 3 operating.	Meteorology and Air Quality
47	Provide access to staff or contractors that are knowledgeable on all aspects of terrestrial ecology of the corridor that will be utilized for the new transmission line.	Terrestrial Ecology
48	Please provide staff or contractors that are knowledgeable of all interactions or consultations that have been conducted with state agencies regarding terrestrial related requirements associated with construction of the new transmission line and the NAPS area.	Terrestrial Ecology
49	Please provide staff or contractors that are knowledgeable of the existing terrestrial ecology of the NAPS site area.	Terrestrial Ecology
50	Please provide staff or contractors that are knowledgeable of terrestrial ecology impacts and/or migrations resulting from the recent drought conditions in the region.	Terrestrial Ecology
51	Please provide access to any completed noise modeling studies for the site.	Terrestrial Ecology
52	Please provide access to updated drift, deposition, fogging, and icing studies completed since the ESP application.	Terrestrial Ecology, Meteorology
53	Please provide staff or contractors that are knowledgeable of current land maintenance practices at NAPS.	Terrestrial Ecology
54	Please provide staff or contractors that are knowledgeable of cumulative impacts to the site and surrounding area terrestrial ecology as result of the construction of Unit 3 or other construction activity in the vicinity of the NAPS site.	Terrestrial Ecology
55	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to terrestrial ecology related information presented in the ESP EIS.	Terrestrial Ecology
56	Please provide a map identifying bodies of water and important aquatic habitats in the vicinity of the site, especially those listed in Section 2.4.1.8 (water bodies and wetlands crossed by transmission line corridors).	Aquatic Ecology
57	Please provide staff or contractors that are knowledgeable of documentation and communication (to the nature and extent possible) on consultations with local offices of appropriate government agencies and affected Native American tribal agencies to determine the possible presence of important aquatic species in the vicinity of the site.	Aquatic Ecology

#	Information Needs	Discipline
58	Please provide staff or contractors that are knowledgeable and can discuss data for any additional fish, aquatic resource, or wetland monitoring conducted since submittal of the ESP ER. In addition, data and persons who can discuss planned pre-construction monitoring of fish, aquatic resources, or wetlands.	Aquatic Ecology
59	Please provide staff and contractors that can discuss and update the ongoing IFIM study that includes an overview of the study, results to date (if available), the schedule for completing the study, and the estimated date for the release of the draft report.	Aquatic Ecology
60	Please be prepared to discuss the time and duration of any water body obstruction or alteration due to construction activity that may impact aquatic species or their habitats.	Aquatic Ecology
61	Please be prepared to discuss and share any documents regarding consultation with USACE and other appropriate agencies regarding wetland alteration or dewatering, siltation, dredging and disposal, cofferdam installation/removal, etc. that could potentially impact aquatic species and habitats.	Aquatic Ecology
62	Please have staff or contractors to available to discuss the methods and calculations used to assess impacts to aquatic biota from cooling system discharge operation, including the 4x or 9x concentration factors for evaporative loss of effluent from cooling system.	Aquatic Ecology
63	Please provide staff or contractors that can discuss how chemical discharges will meet water quality criteria. Also, persons to discuss monitoring of cooling system effluent (ER Sec 3.6.1), sanitary system effluent (ER Sec 3.6.2), and cooling tower blowdown.	Aquatic Ecology
64	Provide staff or knowledgeable contractors that can provide information regarding heat load in spent fuel shipping cask and estimated non-radiological impacts of accidents.	Transportation
65	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to transportation related information presented in the ESP EIS.	Transportation
66	Provide staff or contractors that can discuss the population estimates, demographic breakdowns, and extrapolations of populations or demographics used in the COLA.	Socioeconomics

### General Comments:

All references included in the applicant's COL ER will be available for review during the audit.