

PMNorthAnna3COLPEmails Resource

From: Alicia Williamson
Sent: Thursday, March 13, 2008 4:56 PM
To: williamson.alicia@gmail.com
Subject: FW: North Anna Site Audit Information Needs
Attachments: Information Needs for Site Audit_final.doc

From: Sandusky, William F III [mailto:bill.sandusky@pnl.gov]
Sent: Wednesday, March 12, 2008 12:27 PM
To: Alicia Williamson
Cc: Laura Quinn; Davis, Adam J
Subject: North Anna Site Audit Information Needs

Alicia:

Attached is the listing of the site audit needs for transmittal to Dominion. Most, if not all, of these needs were articulated in the earlier Table 1 data submittals and information needs that we previously discussed with Tony Banks. If you have any questions regarding this information, please don't hesitate to call.

<<Information Needs for Site Audit_final.doc>>

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

#	Information Needs	Discipline	Reviewer
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.	Accidents	Michael Smith
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.	Accidents	Michael Smith
3	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to the accident information presented in the ESP EIS.	Accidents	Michael Smith
4	Provide staff or contractors that are knowledgeable with the social structure of the various counties surrounding the site.	Socioeconomics/EJ	Mike Scott
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	Mike Scott
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	Mike Scott
7	Provide staff or contractors that have been involved in any outreach activities to various communities in the region of the site.	Socioeconomics/EJ	Mike Scott
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	Mike Scott
9	Provide staff or contractors that are familiar with impact assessments resulting from construction and plant operations.	Socioeconomics/EJ	Mike Scott
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	Mike Scott
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	Doug McFarland
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	Doug McFarland

#	Information Needs	Discipline	Reviewer
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	Doug McFarland
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	Paul Hendrickson
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	Paul Hendrickson
16	Provide staff or contractors at the site audit who can address transportation of construction materials via the existing onsite rail spur to the site.	Land Use	Paul Hendrickson
17	Provide staff and or contractors at the site audit who can address any planned preconstruction activities and required approvals.	Land Use	Paul Hendrickson
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	Paul Hendrickson
19	Provide staff and/or contractors at the site audit who can address any additional land uses beyond those identified in the ESP EIS.	Land Use	Paul Hendrickson
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	Paul Hendrickson
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	Paul Hendrickson
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	Paul Hendrickson
23	Make staff available at the site audit who can address the following related to Coal combustion byproduct management.	Energy Alternatives	Paul Hendrickson
24	Make staff available at the site audit who can address the following related to estimated pollutant emissions from each potential alternative fuel sources.	Energy Alternatives	Paul Hendrickson
25	Make staff available at the site audit who can address the following related to the actual location for any alternative fuel source and associated cooling system design.	Energy Alternatives	Paul Hendrickson
26	Make staff available at the site audit who can address the following related to location and cost to utilize alternative fuel sources.	Energy Alternatives	Paul Hendrickson
27	Provide staff and/or contractors at the site audit who can address New and Significant Information as it applies to energy alternative information presented in the ESP EIS.	Energy Alternatives	Paul Hendrickson
28	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	Mike Scott
29	Provide staff and or contractors that can address any potential new developments related to the Need for Power since the application was files and has knowledge of assessing the growth of demand within the applicant area of interest.	Need For Power	Mike Scott

#	Information Needs	Discipline	Reviewer
30	Provide copies of or access to the most recent annual technical analysis document. Also provide access to staff or contractors that are knowledgeable in the process used to complete this analysis.	Need For Power	Mike Scott
31	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	Bill Sandusky
32	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	Bill Sandusky
33	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	Bill Sandusky
34	Provide staff or contractors that are knowledgeable to discuss the estimated solid radwaste volume for Unit 3.	Radiological Waste	Greg Stoetzel
35	Provide staff or contractors that are knowledgeable regarding TLD measurements for the years of 2003-2007.	Radiological Waste	Greg Stoetzel
36	Provide staff or contractors that are knowledgeable regarding construction worker dose calculations as well as any radiological releases to groundwater.	Radiological Waste	Greg Stoetzel
37	Provide staff or contractors that are knowledgeable of the annual radiological environmental monitoring program and how the data is collected and analyzed.	Radiological Waste	Greg Stoetzel
38	Provide staff or contractors that are knowledgeable regarding dose calculations from the ISFSI.	Health Physics	Greg Stoetzel
39	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	Greg Stoetzel
40	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	Greg Stoetzel
41	Provide staff or contractors that are knowledgeable of the key components of the planned Waste Minimization Program.	Health Physics	Greg Stoetzel
42	Provide access to the most recent version of both the Annual Radioactive Effluent Release and Radiological Environmental Operating Reports.	Health Physics	Greg Stoetzel
43	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	Greg Stoetzel
44	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	Carl Berkowitz

#	Information Needs	Discipline	Reviewer
45	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	Carl Berkowitz
46	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	Carl Berkowitz
47	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	Carl Berkowitz
48	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	Mike Sackschewsky
49	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	Mike Sackschewsky
50	Please provide staff or contractors that are knowledgeable of the existing terrestrial ecology of the NAPS site area.	Terrestrial Ecology	Mike Sackschewsky
51	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	Mike Sackschewsky
52	Please provide access any completed noise modeling studies for the site.	Terrestrial Ecology	Mike Sackschewsky
53	Please provide access to updated drift, deposition, fogging, and icing studies completed since the ESP application.	Terrestrial Ecology, Meteorology	Mike Sackschewsky, Carl Berkowitz
54	Please provide staff or contractors that are knowledgeable of current land maintenance practices at NAPS.	Terrestrial Ecology	Mike Sackschewsky
55	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	Mike Sackschewsky
56	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	Mike Sackschewsky
57	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	Jeff Ward
58	Please provide documentation or be prepared to describe the nature and extent of 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	Jeff Ward
59	Please describe and provide data for any additional fish, aquatic resource, or wetland monitoring conducted since submittal of the ESP ER. Describe any planned pre-construction monitoring of fish, aquatic resources, or wetlands.	Aquatic Ecology	Jeff Ward

#	Information Needs	Discipline	Reviewer
60	Please provide an update on 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	Jeff Ward
61	Please 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	Jeff Ward
62	Please document any 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. (Note: ER describes potential alterations to ephemeral streams and wetlands during construction in transmission line corridor. This is new information since FEIS, but determined "not significant" by applicant as impact level/impacted area is expected to remain SMALL. ER says that construction in wetlands would be avoided to extent practical, but "should wetlands be impacted, The USACE and other appropriate agencies would be consulted and permits and approvals obtained as necessary.")	Aquatic Ecology	Jeff Ward
63	Please clarify the methods and calculations used to assess impacts to aquatic biota from cooling system discharge operation, including rationale for 4x or 9x concentration factors for evaporative loss of effluent from cooling system.	Aquatic Ecology	Jeff Ward
64	Please provide staff or contractors that can describe and demonstrate how chemical discharges will meet water quality criteria. Clarify whether separate monitoring of cooling system effluent (ER Sec 3.6.1) and sanitary system effluent (ER Sec 3.6.2) will be conducted, or whether monitoring is only conducted on effluent leaving the cooling tower blowdown sump.	Aquatic Ecology	Jeff Ward
65	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	Phil Daling, Steve Ross
66	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	Phil Daling, Steve Ross

General Comments:

Some reviewers have specified references they will need access to at the site audit. However, PNNL assumes that all references included in the applicant's ER will be available for review during the audit.

Neither Phil Daling or Steve Ross will not be at the site audit, so either Adam Davis or Bill Sandusky will fill in for that area.