From: Christian Araguas
To: <jtdavis@southernco.com>
Date: 11/2/2006 2:52:29 PM
Subject: Information Needs Resulting From November Audit
cc: "Christian Araguas" <CJA2@nrc.gov>,"Stephanie Coffin" <SMC1@nrc.gov>,"Mark Notich" <mdn@nrc.gov>

Jim,

Attached are the information requests discussed during the Nov. 1-2 site audits on site hazards. My understanding is that you will provide a response stating how these items will be addressed, followed by a later submittal of proposed revisions to the application. Let me know if you have any further questions. Thanks.

Christian Araguas

Project Manager
NRR/DNRL/NAPB

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From: Christian Araguas

Created By: cja2@nrc.gov

Recipients "Christian Araguas" <CJA2@nrc.gov>,"Stephanie Coffin" <SMC1@nrc.gov>,"Mark Notich" <mdn@nrc.gov>
<jtdavis@southernco.com>

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Information Needs from the November 2006 Safety Review Site Audit

#	SSAR Section	Information Need	Discipline Name	Reviewer Name
1	2.2.3.1.1	Provide clarification on how the six chemicals identified in the analysis of truck traffic were selected	Site Hazards	Seshagiri Tammara
2	2.2.3.1.1	In order for the staff to perform a confirmatory analysis, provide the wind speed and stability class used for the analysis	Site Hazards	Seshagiri Tammara
3	2.2.3.1.1	Provide a description of the method used to evaluate the potential formation of flammable vapor clouds from truck accidents	Site Hazards	Seshagiri Tammara
4	2.2.3.1.1	In order for the staff to perform a confirmatory analysis, provide the resultant concentrations generated from the vapor cloud analysis	Site Hazards	Seshagiri Tammara
5	2.2.3.1.3	Provide clarification on the use of No. 2 diesel fuel oil stored at Plant Wilson as a bounding analysis for waterway traffic.	Site Hazards	Seshagiri Tammara
6	2.2.3.1.4	Provide the percentage breakdown of the railroad chemical shipments that were listed on page 2.2-11 to confirm that these are the major shipments by rail.	Site Hazards	Seshagiri Tammara
7	2.2.3.1.4	Provide the basis for the selection of cyclohexane and ammonia for the detailed analysis	Site Hazards	Seshagiri Tammara
8	2.2.3.1.4	In order for the staff to perform a confirmatory analysis, provide the wind speed and stability class used for the analysis	Site Hazards	Seshagiri Tammara

9	2.2.3.1.4	Provide a description of the method used to evaluate the potential formation of flammable vapor clouds from railroad accidents	Site Hazards	Seshagiri Tammara
10	2.2.3.1.4	In order for the staff to perform a confirmatory analysis, provide the resultant concentrations generated from the vapor cloud analysis	Site Hazards	Seshagiri Tammara
11	2.2.3.2.1	For the toxic hazards analysis relating to truck accidents, provide the basis for the selection of gasoline, ammonia, and chlorine as discussed on page 2.2-13	Site Hazards	Seshagiri Tammara
12	2.2.3.2.1	For the toxic hazards analysis relating to truck traffic, provide the concentration of gasoline	Site Hazards	Seshagiri Tammara
13	2.2.3.2.1	Clarify the discussion of fuel oil concentration due to the rupture of a barge along the Savannah River as discussed on page 2.2-13	Site Hazards	Seshagiri Tammara
14	2.2.3.2.2	In order for the staff to perform a confirmatory analysis, provide the resultant concentrations of fuel oil for the toxicity analysis at the control room	Site Hazards	Seshagiri Tammara
15	2.2.3.2.2	Provide the basis for only having selected chlorine and ammonia as potential chemicals stored at SRS	Site Hazards	Seshagiri Tammara
16	2.2.3.2.3	Provide the quantities, stability class, wind speed, and distance to the control room for use in the analysis for hydrazine and methoxypropylamine	Site Hazards	Seshagiri Tammara
17	2.2.3.2.3	Provide the results of the analysis for hydrazine, methoxypropylamine, and phosphoric acid	Site Hazards	Seshagiri Tammara

18	13.6	Discussion with respect to 100. 21(f) of 10 CFR Part 100, planning and consideration on how the site characteristics are such that adequate security plans and measures can be developed; particularly, what differences or enhancements will be effected in contrast to the existing unit?	Physical Security	Marc Brooks
19	13.6	Discussion with respect to site characteristics that may require mitigation in order to control close approaches to the facility (e.g., cliffs, depressions, hills, mounds, waterways, etc.)?	Physical Security	Marc Brooks
20	13.6	Discussion with respect to the existing protected area (PA) boundary for the power block structures and safety-related cooling tower(e.g., enlargement, re-design, etc.)?	Physical Security	Marc Brooks
21	13.6	Discussion with respect to the existing OCA/PA vehicle checkpoint (e.g., proposed additions, re-location, etc.)?	Physical Security	Marc Brooks
22	13.6	Discussion with respect to all roads and railroads that penetrate the OCA, particularly, the projected railroad track proximity to proposed siting of Units 3 & 4?	Physical Security	Marc Brooks
23	13.6	Discussion with respect to the proposed location of the intake structure?	Physical Security	Marc Brooks
24	13.6	Discussion with respect to existing or planned culverts (greater than 254 square inches in cross-section area) that extend from outside to inside either the PA, the area for power blocks structures, and/or the area for safety related cooling towers?	Physical Security	Marc Brooks
25	13.6	Discussion with respect to barge slips within the OCA?	Physical Security	Marc Brooks

26	13.6	Discussion with respect to the Savannah River shoreline (e.g., posted warning signs, access control, etc.)?	Physical Security	Marc Brooks
27	13.6	Discussion with respect to integrated response coordination (e.g., MOA/MOU, etc.) with the DOE Savannah River Site, particularly, regarding the utilization of their harbor, air, surveillance and response capabilities?	Physical Security	Marc Brooks
28	13.6	Discussion with respect to any potential revisions to OCA patrols (e.g., patrol frequency, increased staffing, surveillance technology, etc.)?	Physical Security	Marc Brooks