

June 15, 2007

MEMORANDUM TO: William Burton, Chief
Environmental Projects Branch A
Division of Site and Environmental Reviews
Office of New Reactors

H. Brent Clayton, Chief
Environmental Technical Support Branch
Division of Site and Environmental Reviews
Office of New Reactors

FROM: Andrew J. Kugler, Senior Project Manager */RA/*
Environmental Projects Branch B
Division of Site and Environmental Reviews
Office of New Reactors

SUBJECT: TRIP REPORT - APRIL 18 - 19, 2007, PRE-APPLICATION VISIT FOR
A COMBINED LICENSE APPLICATION AT THE BELLEFONTE SITE

This report summarizes the staff's April 18 - 19, 2007, pre-application visit related to the environmental portion of a future combined license (COL) application for the Bellefonte site. The Tennessee Valley Authority (TVA), as a part of NuStart, has indicated its intent to submit a COL application for this site late in 2007.

The purpose of this visit was to allow the staff to begin gathering information regarding the applicant's plans for the COL application and to become familiar with the site. The visit took place at the site near Hollywood, Alabama. Enclosure 1 provides a list of attendees. Enclosure 2 is the agenda used during the visit. Enclosure 3 is a summary of the more significant issues that were discussed.

The next pre-application activity will be a document assessment visit. The staff and the applicant need to determine the best date for this activity. The most likely dates will be during the pre-application week of July 23, 2007.

Project No.: 740

Enclosures:
As stated

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ADAMS ACCESSION NUMBER: ML071700169

OFFICE	RAP2/PM	RAP1/BC
NAME	AKugler: SRM	WBurton
DATE	06/15/07	06/15/07

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Bellefonte Combined License
Pre-Application Visit on April 18 - 19, 2007

List of Attendees

NAME	AFFILIATION
Andrew Kugler	U.S. Nuclear Regulatory Commission (NRC)
Kenneth See	NRC
Brad Harvey	NRC
Thomas Galletta	NRC
Paul Kallan	NRC
Hosung Ahn	NRC
Dan Barss	NRC
Linda Tello	NRC
Stephanie Coffin	NRC
Allen Fetter	NRC
Mike Masnik	NRC
Larry Burkhart	NRC
Michael Willingham	NRC
Tara O'Neil	Pacific Northwest National Laboratory (PNNL)
Mike Sackschewsky	PNNL
Charles Kincaid	PNNL
Van Ramsdell	PNNL
Becky Krieg	PNNL
Kristi Branch	PNNL
Ellen Kennedy	PNNL
Bob Bryce	PNNL
Amoret Bunn	PNNL
Eva Eckert Hickey	PNNL
Michael Scott	PNNL

Bellefonte Combined License
Pre-Application Visit on April 18 - 19, 2007

List of Attendees

James Chardos	Tennessee Valley Authority (TVA)
Herb Garnett	TVA
Bruce Yeager	TVA
Joe Davis	TVA
David Bowling	TVA
Jennifer Call	TVA
Rusty Cooper	TVA
Jim Eblen	TVA
Tom Maher	TVA
Ted Wells	TVA
Curt Ditzer	TVA
Ken Wastrack	TVA
Stephanie Chance	TVA
Erin Pritchard	TVA
Peggy Shute	TVA
Richard Grumbir	NuStart
Neil Haggerty	NuStart
Ray Burski	Enercon
Melinda Harris	Enercon
D. Luchsinger	Enercon
Randall Lantz	Enercon
Rachel Turney-Work	Enercon
Fred Redwanz	Enercon

Agenda
Bellefonte NRC Environmental Staff Site Visit
Location: Bellefonte Site, Hollywood, AL
April 18 - 19, 2007

Wednesday, April 18, 2007

1330 Meet at Bellefonte in Hollywood, AL.

- Welcome
- Opening Remarks
- Introductions
- Orientation to Bellefonte Site, Health and Safety

1430 General Site Tour including

- Location of new Units 3 and 4
- Existing intake structure for Units 1 and 2, will be refurbished for Units 3 and 4
- Existing discharge structure for Units 1 and 2, will be same location for Unit 3 and 4 discharge
- Existing barge slip – will be use for Units 3 and 4
- Cooling towers for Units 1 and 2 – will be refurbished for Units 3 and 4
- Site view from existing Turbine building, included remaining facilities for Units 1 and 2 (reactor building, warehouses, transformers, fuel handling facility)

Thursday, April 19, 2007

0800 Meet at Bellefonte in Hollywood, AL

- Questions from Yesterday
- General Discussion

0900 Presentations

- Site Selection Process
- Overview of Environmental Report
- Status of Environmental Monitoring
- State and Local Regulators and Permitting

1200 Lunch

1300 Specialized Tours and Discussion

- Cultural - two cultural resource sites and one potential site
- Terrestrial Ecology - wetlands, intake canal
- Aquatic Ecology - wetlands, intake canal

1600 General Discussion and Concluding Remarks (selected discussions might continue beyond the regularly scheduled time).

1700 Adjourn

**Additional Information Summarizing the
Bellefonte NRC Environmental Staff Site Visit
Location: Bellefonte Site, Hollywood, AL
April 18 - 19, 2007**

The areas around the site that were visited by the staff are listed in the Agenda (Attachment 2). In addition, the staff made initial contacts with the following individuals/organizations:

- John Neubauer, State Historic Preservation Officer, Alabama
- Stacye Hathorn, 101 Coordinator, Alabama
- Lowell Barron, State Senator, Jackson Co. Legislative Office
- John Robinson, State Representative
- James Tidmore, Jackson County Commission Chairman
- Glenda Hodges, Jackson County Commission
- Dean Deason, Mayor of Scottsboro
- Rickey Steele, Mayor of Stevenson
- Rickey Keel, Mayor of Hollywood
- James Hardric, Hollywood City Council
- Goodrich 'Dus' Rogers, Jackson County Economic Development Authority
- Keith Smith, President of Scottsboror City Council
- Rick Roden, President and CEO, Jackson County Chamber of Commerce
- J.D. Sargent, Jackson County Schools
- Bob Bridges, Tommy Bellomy, Elders, Scottsboro Church of Christ
- Beverly Wakdrop, Alexia Elison, Director, CASA [Care Assurance System for the Aging and Homebound] and Director of Volunteers
- Robert Hemblee, Mayor of Guntersville
- Kenneth R. (Dick) Holder, Jr. Assistant Superintendent of Scottsboro Schools

As a result of the visit, the staff has identified the following issues or concerns:

1. TVA is a Federal agency and therefore will be preparing its own environmental impact statement (EIS) concerning construction and operation. However, unlike past actions TVA may wait to prepare its EIS until after the NRC takes its action (issuing the combined license). TVA could then adopt or tier from the NRC's EIS. TVA still plans to submit an environmental report as part of its combined license application, as required by NRC regulations.
2. Because TVA is not yet preparing its EIS, it has not initiated formal consultation with other state or Federal agencies, including the Fish and Wildlife Service, U.S. Army Corps of Engineers (USACE - for jurisdictional wetlands), USACE permit for dredging intake canal and barge slip, and the Alabama State Historic Preservation Officer (SHPO) office, nor has it officially corresponded with the State of Alabama concerning species and water quality issues (no NPDES permit, no Section 401 certification). It isn't clear how deferral of these actions may affect the staff's review.
3. The transmission corridors have been identified and will be the same as those originally intended for Units 1 and 2. The transmission lines are in place. However, the corridors have not been surveyed for important species and habitats in recent years.

4. TVA is using data from its vital signs monitoring program for the Guntersville Reservoir (the intended cooling water source) to determine the aquatic ecosystem being affected. However, the nearest sampling station on the reservoir is approximately 15 river miles from the Bellefonte site. It isn't clear how this might affect the associated analyses.
5. TVA did not have a radiological environmental monitoring plan available for staff review. The staff expects a description of this program to be a part of the environmental report submitted for a combined license application.
6. TVA did not have information on outreach and analysis associated with Environmental Justice, nor did it have some of the socioeconomic information (e.g., estimates of labor requirements or other spending) necessary to prepare the associated portions of Chapters 4 and 5. TVA indicated it expected to have this information by May 2007.

Based on its review of information during this visit, the staff believes that the main areas of difficulty the applicant is currently facing are (1) issues related to the status of permits and consultations (e.g., Clean Water Act sections 401 and 404), (2) the impacts of the transmission line corridors, and (3) the lack of a radiological environmental monitoring plan. The latter two issues can be addressed by the applicant through development of the associated information. However, the first issue requires interactions with the permitting authorities.

Otherwise, the staff believes that the applicant should be able to meet the schedule it provided. The current schedule is for submittal of the application towards the end of 2007.