

August 29, 2008

MEMORANDUM TO: William F. Burton, Branch Chief  
Environmental Projects Branch 1  
Division of Site and Environmental Reviews

FROM: Mallecia Hood **/RA/**  
Environmental Projects Branch 1  
Division of Site and Environmental Reviews

SUBJECT: TRIP REPORT – BELLEFONTE SITE ENVIRONMENTAL AUDIT  
AND SCOPING MEETING APRIL 2008

The enclosed report summarizes the activities of the site audit performed in response to Tennessee Valley Authority's combined license application (COL) for Bellefonte Nuclear Plant Units 3 and 4. The audit took place on March 30 through April 4, 2008 at the Bellefonte Training Center in Hollywood, Alabama. The Bellefonte Site environmental audit included document reviews, staff discussions, onsite observations, and meetings with federal, state, and local officials. The staff performed extensive walkdowns of the Bellefonte Nuclear Plant site to observe areas that will be impacted by the project. In addition, the staff conducted two scoping meetings on April 3, 2008 at the Goosepond Civic Center in Scottsboro, Alabama. An alternate site visit to the Murphy Hill Site also took place during this week.

This report addresses the site audit activities. A summary of the comments from the public scoping meeting will be developed separately and an alternative site audit report will address the evaluation of the four alternative sites.

Docket Nos.: 52-014 and 52-015

Enclosure: As stated

MEMORANDUM TO: William F. Burton, Branch Chief  
Environmental Projects Branch 1  
Division of Site and Environmental Reviews

FROM: Mallecia Hood **/RA/**  
Environmental Projects Branch 1  
Division of Site and Environmental Reviews

SUBJECT: TRIP REPORT – BELLEFONTE SITE ENVIRONMENTAL AUDIT  
AND SCOPING MEETING APRIL 2008

The enclosed report summarizes the activities of the site audit performed in response to Tennessee Valley Authority's combined license application (COL) for Bellefonte Nuclear Plant Units 3 and 4. The audit took place on March 30 through April 4, 2008 at the Bellefonte Training Center in Hollywood, Alabama. The Bellefonte Site environmental audit included document reviews, staff discussions, onsite observations, and meetings with federal, state, and local officials. The staff performed extensive walkdowns of the Bellefonte Nuclear Plant site to observe areas that will be impacted by the project. In addition, the staff conducted two scoping meetings on April 3, 2008 at the Goosepond Civic Center in Scottsboro, Alabama. An alternate site visit to the Murphy Hill Site also took place during this week.

This report addresses the site audit activities. A summary of the comments from the public scoping meeting will be developed separately and an alternative site audit report will address the evaluation of the four alternative sites.

Docket Nos.: 52-014 and 52-015

Enclosure: As stated

Distribution:

MHood  
SImboden  
RBryce, PNNL ([rw.bryce@pnl.gov](mailto:rw.bryce@pnl.gov))  
BMiller, PNNL ([Beverly.Miller@pnl.gov](mailto:Beverly.Miller@pnl.gov))

**ADAMS Accession No:ML082260131**

OFFICE	PM:RAP1:DSER:NRO	LA:RAP1:DSER:NRO	BC:RAP1:DSER:NRO
NAME	MHood	GHawkins	WBurton
DATE	08/ /08	08/14 /08	08/29 /08

**OFFICIAL RECORD COPY**

Site Audit and Scoping Trip Report  
Bellefonte Nuclear Plant Units 3 and 4 COL  
Tennessee Valley Authority

March 30 – April 4, 2008

The Bellefonte Nuclear Plant Units 3 and 4 (Bellefonte) site environmental audit included document reviews, staff discussions, onsite observations, and meetings with federal, state, and local officials. The staff performed extensive walkdowns of the Bellefonte Nuclear Plant Site to observe areas that will be impacted by the project. In addition, the staff conducted two scoping meetings on April 3, 2008 at the Goosepond Civic Center in Scottsboro, Alabama. An alternate site visit to the Murphy Hill Site also took place during this week. A summary of the comments from the public scoping meeting will be developed separately, and an alternative site audit report will address the evaluation of the four alternative sites.

The U.S. Nuclear Regulatory Commission (NRC) and Pacific Northwest National Laboratory (PNNL) personnel attending the Bellefonte combined license (COL) environmental site audit are listed below along with each individual's role in the site audit. Additional NRC staff attended meetings related to safety. This report also includes a schedule of site audit activities occurring daily followed by a summary of those activities and a summary of concerns that arose during the site audit broken out by technical discipline. Table 1 in this report lists all site audit attendees and their affiliations. Table 2 lists the community representatives that attended socioeconomics meetings with NRC staff. Table 3 lists documents provided to NRC staff by Tennessee Valley Authority (TVA) at the Bellefonte site audit. As outlined in TVA's letter to NRC dated June 24, 2008, (ADAMS accession number ML0817804740), most of the documents listed in Table 3 cannot be easily converted to PDF files for docketing. Therefore, the NRC environmental project manager will maintain hard copies of these documents as they may be used as references for development of the Bellefonte COL Environmental Impact Statement.

NRC Team

- Mallecia Hood                      Team Lead
- Tomeka Terry                      Backup and Principal Support
- Michael Willingham              Terrestrial Ecology
- Michael Masnik                   Aquatic Ecology
- Chris Cook                        Water Use and Quality
- Richard Emch                      Decommissioning/ Accidents/ Uranium Fuel Cycle/ Health Physics
- Doug Bruner                        Socioeconomics
- Irene Yu                            Land Use/ Alternatives/ Need for Power
- Rafael Rodriguez                Cultural Resources
- Robert Moody                      Emergency Preparedness
- Donald Palmrose                 Shadow

PNNL Team

- Bob Bryce                          Team Lead
- Beverly Miller                      Deputy Team Lead
- Corey Duberstein                 Terrestrial Ecology

Enclosure

- Becky Kreig                      Aquatic Ecology
- Charles Kincaid                Ground Water Use and Quality
- Lance Vail                        Surface Water Use and Quality
- Jim Droppo                        Air Quality/ Meteorology/ Accidents
- Dan Strom                        Radiological and Nonradiological Health
- Kristi Branch                    Socioeconomics/ Environmental Justice
- Katie Cort                        Land Use/ Alternatives
- Ellen Kennedy                  Cultural and Historic
- Eva Hickey                        Emergency Preparedness
- Phil Daling (by phone)        Transportation
- Glen Cada                        Shadow
- Barry Shumpert                 Shadow
- Greg White                        Shadow

Schedule of Activities

Sunday, March 30, 2008

7:00 p.m.        NRC/PNNL Meet at Jameson Inn for update and briefing

Monday, March 31, 2008

7:45 a.m.        Meet at Bellefonte Site Training Center in Hollywood, Alabama

- Welcome
- Introductions
- Opening Remarks
- Orientation to Bellefonte Site

8:00 a.m.        Site Tour

12:00 p.m.      Lunch

1:00 p.m.        Specialized Tours and Discussions

- Terrestrial Ecology
- Aquatic Ecology
- Meteorological Tower/Air Quality
- Hydrology
- Others

4:00 p.m.        Staff Data Needs

5:00 p.m.        NRC/PNNL/TVA Team Meeting

Tuesday, April 1, 2008

7:45 a.m.        Meet at Bellefonte Site Training Center in Hollywood, Alabama

8:00 a.m.        Opening

- Questions from previous day
- General discussions

- 9:00 a.m. Breakout discussions
- 12:00 p.m. Lunch
- 1:00 p.m. Continue Breakout discussions  
Visit to Murphy Hill alternative site
- 4:00 p.m. Staff Data Needs
- 5:00 p.m. NRC/PNNL/TVA Team Meeting

Wednesday, April 2, 2008

Cultural Resources staff travels to Montgomery, Alabama to visit State Historic Preservation Office

Aquatic Ecology staff visit, Widow's Creek Power Plant Intake

- 7:45 a.m. Meet at Bellefonte Site Training Center in Hollywood, Alabama
- 8:00 a.m. Opening
  - Questions from previous day
  - General discussions
- 9:00 a.m. Breakout discussions
- 12:00 p.m. Lunch
- 1:00 p.m. Continue Breakout discussions or attend offsite meetings
- 4:00 p.m. Staff Data Needs
- 5:00 p.m. NRC/PNNL/TVA Team Meeting

Thursday, April 3, 2008

- 8:00 a.m. Breakout discussions
- 11:00 a.m. Concluding remarks and audit closeout (selected discussions continued)  
Review of information needs list
- 11:30 a.m. Public scoping meeting - room setup (Goose Pond Civic Center)  
Presenters meet
- 12:30 p.m. Open house for Public (Goose Pond Civic Center)
- 1:30 p.m. – 4:00 p.m. Public scoping meeting (Goose Pond Civic Center)

6:00 p.m. – 7:00 p.m. Open house for Public (Goose Pond Civic Center)  
7:00 p.m. – 10:00 p.m. Public scoping meeting (Goose Pond Civic Center)

Friday, April 4, 2008

9:00 a.m. NRC Team lead closeout meeting.  
Review material gathered during audit.  
Review follow-up actions.

Daily Summary

*March 30, 2008 (Sunday)*

NRC and PNNL staff traveled to Scottsboro, Alabama, and met at the Jameson Inn to discuss trip safety, logistics, and guidelines for interactions with TVA and its contractors.

*March 31, 2008 (Monday)*

NRC and PNNL staff met briefly at 7:30 a.m. at the Jameson Inn in Scottsboro, Alabama to discuss plans for the day.

The site audit began about 8:00 a.m. at TVA's Bellefonte Training Center. Introductions and a discussion of the staff's objectives and expectations for the site audit followed. TVA provided an overview of the site audit activities for the morning. Afterward, TVA organized a general site tour by bus of the existing Bellefonte Site. The bus tour occurred in two shifts: while one group was on the tour the other group reviewed information provided for the audit, including site maps. Stops on the site tour included:

- the existing cooling water intake structure built for Units 1 and 2 at the site and planned to be used for Units 3 and 4,
- the location of center points for the containment vessels for Units 3 and 4,
- the outfall and barge slip, and
- the rooftop of the existing turbine building, which provides a vantage point for the existing cooling towers, switchyard, lay down yard and other features of the current and planned site layout.

Discipline-specific breakout discussions followed the tour at the Bellefonte Training Center. Staff in each discipline initiated discussions with their TVA counterparts and contractors. NRC staff also met with State and Federal agencies to discuss their perspectives and expectations regarding permits and environmental impacts of the proposed action.

In the afternoon, the following discipline-specific tours took place:

- TVA contractors led ecology and hydrology staff on a boat tour of the Guntersville Reservoir. This tour included stops at the intake and discharge structures, shorelines and barge slip,
- TVA contractors led meteorology staff on a tour of the meteorological tower and associated instrumentation, and

- TVA contractors led ecology staff on an inspection of the storm water and industrial ponds, wetlands on the southwest corner of the site and wetlands between the Towncreek Embayment and proposed location of Units 3 and 4.

Staff not involved in these tours were participating in technical discussions with TVA counterparts at the Bellefonte Training Center. These discussions include land use and socioeconomics. Staff had concerns over information provided in the Environmental Report (ER) on these issues.

The day concluded with a summary meeting conducted by the NRC project manager identifying remaining issues and follow up actions. These issues and actions were then conveyed to TVA staff.

*April 1, 2008 (Tuesday)*

Technical discipline breakout sessions continued.

Socioeconomics staff attended meetings with community representatives offsite.

The ecologists and hydrologists met with staff from Enercon and TVA to discuss system alternatives. This included discussion of the ER chapter on alternatives. Staff identified places in the ER where references were needed. TVA staff provided a presentation on the alternative site selection process.

Cultural resources staff visited the Bellefonte Cemetery. The cemetery was recently added to the Alabama Historical Cemetery list. Currently vegetation obscures the view of the cemetery from the cooling towers, but this may change in the winter season.

Staff visited the Murphy Hill alternate site located approximately 20 miles downriver from the Bellefonte Nuclear Plant Site. This site is currently in one of TVA's conservation zones and has limited access. A tour of this site included the potential location of new reactors, an existing barge slip, and a jetty that extends into the Gunterville Reservoir in the vicinity of a potential water intake structure. TVA staff identified the location of a proposed freeway corridor stretching from Memphis, TN to Atlanta, GA and would be adjacent to the southern boundary of the Murphy Hill Site.

The day concluded with a summary meeting conducted by the NRC project manager identifying remaining issues and follow up actions. These issues and actions were then conveyed to TVA staff.

*April 2, 2008 (Wednesday)*

The aquatic ecologists went on a boat tour of the Widows Creek Coal Plant intake structure. The impact of this structure on aquatic species is used as an indicator of how the Bellefonte intake structure will impact aquatic species.

Hydrologists participated with TVA on a walking tour of the wells in the vicinity of the power block, and the storm water runoff control ponds. The tour also included a stop at the wastewater retention basin, the two ponds that the basin cascades into, and the discharge structures leading to Town Creek.

Socioeconomics staff continued discussions with TVA staff on the socioeconomic and environmental justice analysis and the cost-benefit analysis.

Other technical discipline breakout sessions continued.

The day concluded with a summary meeting conducted by the NRC project manager identifying remaining issues and follow up actions. These issues and actions were then conveyed to TVA staff.

*April 3, 2008 (Thursday)*

Socioeconomic staff met with community leaders in Scottsboro, the Bellefonte Nuclear Plant Site vicinity, and in the northeastern portion of Jackson County to obtain information about their experience during the construction of Bellefonte, Units 1 and 2. This included discussion of minority populations in the area, population changes since the year 2000, and attitude and expectations regarding the construction and operation of the proposed Bellefonte, Units 3 and 4.

Due to the scoping meetings scheduled from 12:30 p.m. to 10:00 p.m. on Thursday, a site audit closeout meeting with the applicant was held at the beginning of the day's sessions. A table documenting information received from TVA staff and information still being requested was presented to TVA. This table was reviewed to provide a clear understanding of information needs between the NRC and TVA staff.

An open house was held by the NRC at the Goose Pond Civic Center from 12:30 p.m. to 1:30 p.m. in preparation for the afternoon public scoping meeting scheduled from 1:30 p.m. to 4:30 p.m. A second open house was held by the NRC from 6:00 p.m. to 7:00 p.m., prior to the public scoping meeting held from 7:00 p.m. to 10:00 p.m. The NRC staff gave a presentation at each meeting covering the review process for the Bellefonte Nuclear Plant COL application. The NRC staff presentations were followed by open public comment sessions.

*April 4, 2008 (Friday)*

The site audit closeout meeting that began Thursday morning was concluded. The NRC and TVA staff continued reviewing the information needs table.



## Summary of Issues or Concerns by Technical Discipline

### *Hydrology*

Most of the hydrology issues were resolved at the site audit. Additional information is needed on several topics. This information will be provided by the applicant in the weeks following the audit or will form the basis for Requests for Additional Information (RAIs) related to hydrology.

### *Aquatic Ecology*

Aquatic ecology issues were resolved through discussions held during the audit and through the information TVA plans to provide in the weeks following the audit.

### *Terrestrial Ecology*

Several issues remain regarding bat habitat at the Bellefonte Nuclear Plant Site. The TVA zoologist will provide regional field data for the gray bat to address abundance and local habitat preference. Regarding the gray and Indiana bats, TVA will consult with the Alabama Department of Conservation and Natural Resources (DCNR) for any additional information available. Regarding the Indiana bat summer habitat, the TVA zoologist will provide regional field data and will assess habitat during June 2008.

TVA will conduct surveys in June 2008 for the potato bean and leather flower.

TVA will submit literature describing protection measures (best management practices/ Sensitive Area Review/ Environmental Auditing) used along transmission corridors.

### *Socioeconomics/Environmental Justice/Need for Power/Benefit-Cost*

Clarification and further detail is needed regarding construction and operations workforce (numbers, characteristics, and timing over the construction and operations stages), shift sizes and schedules, payments in lieu of taxes, and project costs and purchases. Most of this information was not provided at the site audit and is expected to be submitted separately by the applicant or addressed through RAIs.

Discussions were held regarding the rationale and citations for the methodology used to develop the baseline resident and transient population projections and their spatial allocation. The methodology was explained during the site audit and an agreement was reached where TVA would make a more detailed description of project methodology available for review.

Discussions were held regarding the analysis of facilities and services demands (water, police, schools, etc.). The ER did not provide data indicating how the service provision levels compared to statewide or national standards. Further detail is needed regarding the analysis relating increased demand for public services with increased financial/tax revenues. Additional data and results of this analysis have been requested and will be provided in the weeks following the site audit or requested through RAIs.

Discussions were held regarding population changes that have occurred since the year 2000 census. The changes regarding minority populations and housing need to be addressed in more detail and additional information is needed on special populations in the area, such as the Cherokee. Community interviews indicated that the local Hispanic population may have increased significantly since the year 2000. Information regarding location and activities of this minority population will be provided in the weeks following the site audit or requested through RAIs.

#### Need for Power

The need for power analysis will be adjusted to incorporate Watts Bar Nuclear Plant Unit 2 into the baseline power supply. The applicant agreed to provide a summary of the process by which the demand and supply forecasts are developed and reviewed within TVA.

#### Benefit-Cost

Socioeconomics reviewers requested that the terms 'constant' or 'current dollars' be used consistently, that all components of the project be included in the cost analysis (costs associated with retrofitting the intake, cooling towers and discharge structure did not appear to be included). Consistency is needed between this section of the ER and the other sections of the report from which the information is referenced.

#### *Cultural Resources*

There is an unresolved issue regarding the need to establish the viewshed Area of Potential Effect (APE), conduct an above-ground resources survey, consult with interested parties associated with any newly identified resources (including the cemeteries) and complete the National Historic Preservation Act Section 106 process for this APE. This information may be requested through RAIs.

Other unresolved issues are open pending the completion of an above-ground architectural survey and impact assessment. Borrow sources for the construction of Units 3 and 4 have not been identified. A map from the construction of Bellefonte Nuclear Plant, Units 1 and 2 identifies potential borrow sites. It is unclear whether these sites will be used again for construction of Units 3 and 4, or whether a cultural resources assessment has been completed for the borrow sites.

Further information is needed regarding the maintenance process for the barge slip and potential impacts resulting from the de-siltation process.

There is an issue with document availability for the cultural resources review. The archaeological site reports and records gathered by Dr. Mike Meyers from the University of Alabama and records gathered at the State Historic Preservation Office (SHPO) on above-ground resources may contain culturally sensitive information. These documents will be made available to NRC contractors through a local office of the applicant. Otherwise, these issues will become part of the RAIs.

### *Meteorology/Air Quality/Accidents/Noise*

#### Meteorological Monitoring System

The monitoring system was found to be mainly compliant with Regulatory Guide (RG) 1.23 Revision 1. Issues with the meteorological monitoring system are:

- Sensors - Precipitation gauge does not have a windshield. The applicant has plans to add a shield after a second year of meteorological data has been collected and verified. This deficiency is not seen as critical due to the availability of long-term regional precipitation data. The applicant should check precipitation data in subsequent years for any bias in the data provided for licensing.
- Data acquisition - Sample rate for recording data is less than suggested in RG 1.23 Revision 1. The applicant has plans to increase the data sampling rates after the second year of meteorological data has been collected and verified. This deficiency is not seen as critical due to the availability of long-term regional data. The applicant should check precipitation data in subsequent years for any bias in the data provided for licensing.
- Data recording - During this pre-construction stage, meteorological data are recorded and distributed at a remote location. Presumably, onsite data recording and distribution would occur in an operating plant instead of a remote location.

#### Documentation of Proximity to Air Quality Control Areas

U.S. Environmental Protection Agency's (EPA's) website indicates that portion of Jackson County where Bellefonte Units 3 and 4 are proposed is a non-attainment area for Particulate Matter (PM) 2.5. Clarification is needed regarding whether the site is in the non-attainment area and what additional measures, if any, will be required as a result of the proximity to a non-attainment area.

The Sipsey Wilderness Area is a Mandatory Class 1 Federal Area that appears to be within a 100 mile radius of the site. Potential air quality impacts to this area should be addressed by the applicant.

### Consideration of Surface Water Pathways in Accident Analyses

The applicant has not provided a discussion of potential surface water exposure pathways in addition to the ingestion pathway considered by the MACCS2 computer code. This discussion should include any potential pathways for a radius of 50 miles from the site.

### Population Used in Accident Analysis

The applicant did not use future population projections in their reported accident analyses. The applicant directs the staff to the Final Safety Analysis Report (FSAR) for detailed population estimates. The applicant states that the use of projected future population may not significantly change the conclusions reached, but it would be useful to quantitatively address the issue.

### *Radiological/Fuel Cycle/Waste Systems/Decommissioning*

There is inconsistent portrayal of population information throughout the analysis. Population data should be the same in the FSAR, the ER, the Emergency Plan, and anywhere else population figures are needed. For a number of analyses the population projections are needed by compass sector and distance from the proposed new Bellefonte, Units 3 and 4.

Population projections are needed for the following time frames:

- From the last census to the date of the application.
- At the date(s) of construction.
- At “5 years from licensing action.” This term, from RG 1.209, needs to be clarified for all parties involved in the review of the application.
- At 10-year intervals over the 50-year life of the plant.

This information will be provided by the applicant in the weeks following the site audit or will form the basis for RAIs.

There are no operating units at the Bellefonte Nuclear Plant Site. Many documents that are normally available for staff review are not currently available because the two units currently at Bellefonte Nuclear Plant Site have never been operational. These documents include the Radiological Environmental Monitoring Program (REMP) and the Offsite Dose Calculation Manual (ODCM).

### *Alternatives/Land Use/Transmission Lines*

#### Alternative Energy and Alternative Sites

The alternatives chapter in the ER is lacking many references. It is not clear where most of the information was obtained and for what years the data was collected. There were questions regarding the site selection process and whether or not the process adequately selected candidate sites that were currently viable nuclear sites. TVA will produce a White Paper that will provide additional information on the site selection process. This paper will be provided in the weeks following the site audit or will be requested through RAIs.

### Land Use

There is an unresolved issue regarding the location of future borrow pits and the location for deposition of dredging material onsite. Locations are shown in some of the original construction plans but do not appear in the ER. During the site audit, the specific locations of the borrow pits and deposition of dredging material was not clearly defined.

### Transmission Lines

Issues related to transmission lines were resolved at the site audit.

### *Transportation*

The transportation analysis is being revised by TVA to conform to NRC requirements and will be provided in the weeks following the site audit or will be requested through RAIs.

Table 1. Bellefonte Nuclear Plant Units 3 and 4 Site Audit Attendees

<b>NAME</b>	<b>AFFILIATION</b>
Mallecia Hood	U.S. Nuclear Regulatory Commission (NRC)
Christopher Cook	NRC
Donald Palmrose	NRC
Douglas Bruner	NRC
Edward H. Roach	NRC
Irene Yu	NRC
James E. Lyons	NRC
Joseph Sebrosky	NRC
Michael Masnik	NRC
Ann Hodgdon	NRC
Michael Willingham	NRC
Patrick Moulding	NRC
Rafael Rodriguez	NRC
Richard Emch	NRC
Tomeka Terry	NRC
William Burton	NRC
Robert Moody	NRC
Steven Schaffer	NRC
Beverly Miller	Pacific Northwest National Laboratory (PNNL)
Charles Kincaid	PNNL
Corey Duberstein	PNNL
Daniel J. Strom	PNNL
Ellen Kennedy	PNNL
Eva Eckert Hickey	PNNL
James Droppo	PNNL
Katherine Cort	PNNL
Kristi Branch	PNNL
Lance Vail	PNNL
Rebekah Krieg	PNNL
Robert Bryce	PNNL
Terri Miley	PNNL
Greg White	Idaho National Laboratory
Barry Shumpert	Oak Ridge National Laboratory (ORNL)
Glenn Cada	ORNL
Alisha Mulkey	Tennessee Valley Authority (TVA)
Andrea Sterdis	TVA
Bill Raines	TVA
Bob Davis	TVA
Bruce Yeager	TVA
Carolyn Creek	TVA
Cassandra Qylie	TVA
Dennis S. Baxter	TVA
Doyle Pittman	TVA
Erin Pritchard	TVA
Gary Lyles	TVA
James H. Eblen	TVA
Jim Chardos	TVA
Jim Flanigan	TVA
Joe Davis	TVA
John Baxter	TVA
Ken Wastrack	TVA
Kent Smithson	TVA

Mark Boggs	TVA
Maurice Thompson	TVA
Patricia Coy	TVA
Paul Hopping	TVA
Peggy Shute	TVA
Phillip Ray	TVA
Ruth Horton	TVA
Tim Cornelius	TVA
Tina Broyles	TVA
Tyler Baker	TVA
Deb Luchsinger	Enercon
Dorothy Boland	Enercon
Francine Beck	Enercon
Fred Redwanz	Enercon
J.P. Logatto	Enercon
Jay Maisler	Enercon
Jerry L. Riggs	Enercon
Jim Hubbord	Enercon
John Stauter	Enercon
Kim Stapheton	Enercon
Kurt Roblyer	Enercon
LL Gaddy	Enercon
Marvin Morris	Enercon
Melinda Harris	Enercon
Michael D. Myers	Enercon
Rachel Turney	Enercon
Randall Lantz	Enercon
Shelly Kowkabany	Enercon
Stacy Burgess	Enercon
Jerry Burford	Entergy
Eddie R. Grant	NuStart
Neil Haggerty	NuStart
Richard Grumbir	NuStart
Tom Taylor	NuStart
Ed Poolos	Alabama Dept. of Environmental Management
Johnathan Hall	Alabama Dept. of Environmental Management
Dan Catchings	Alabama Dept. of Conservation and Natural Resources
Jud Easterwood	Alabama Dept. of Conservation and Natural Resources
Randy Liles	Alabama Dept. of Conservation and Natural Resources
Lloyd Generette	U.S. Environmental Protection Agency Region 4
Richard Urban	Tennessee Dept. of Environment and Conservation
Brad Bishop	U.S. Army Corps of Engineers
Josh Rowell	U.S. Fish and Wildlife Service
Rob Hurt	U.S. Fish and Wildlife Service

Table 2. Community representatives attending socioeconomics meetings with NRC staff

<b>NAME</b>	<b>AFFILIATION</b>
Hon Ron Fosset	Mayor, Town of Section
Linda Tolbert	Town Clerk, Town of Section
Hon Bryan Stewart	Mayor, Town of Dutton
Diane Romans	Town Clerk, Town of Dutton
Hon Robert Hembree	Mayor, City of Guntersville
Luanne Hayes	Director, Dept. of Economic Development for City of Guntersville
Roland Matthews	Tuff-bilt Tractors and Equipment
Organizer	United Cherokee Aniyunwi
Clyde Butler	Dentist and Resident of Scottsboro
Lance Armstrong	Executive Director, Scottsboro Housing Authority
Bob House	Principal, Job Seekers
Penny Green	Office Manager, Job Seekers
James Allen	Unit Director, Boys and Girls Club of Northeast Alabama
Yvonne Yockel	Director, Parks and Recreation Department for City of Scottsboro
Goodrich "Dus" Rogers	President and CEO, Jackson County Economic Development Authority
Kimberly Barrentine	Earnest Pruett Center of Technology
Gerry Teal	Principal, Mud Creek Marine
Ms. Sandra Venable	American Red Cross of Scottsboro
Anthony Kashack	President, Rotary Club of Scottsboro

Table 3. Record of Documents provided to staff by TVA at the Bellefonte site audit

<b>Land Use</b>	
TVA Guntersville Lands plan 2001 CD	
<b>Meteorology/Air Quality</b>	
ADEM Permit #705-0021-X004 and Cancellation Letter	
Excerpt from BNP Environmental Data Station Manual	
Excerpt from BNP FES 1 and 2	
<b>Hydrology</b>	
Alabama Department of Environmental Management NPDES Permit	
Cormix CD	
Letter from Phil Ray concerning resources that need to be exempted from disclosure	
Drawings of outflow diffuser	
Wetlands site visit: Wetland input	
USGS website and State of Alabama website concerning minerals and mining and petroleum	
Data on Thermal Stratification to support statement about the lack of stratification in the main channel of the Guntersville Reservoir	
TVA Drought Management Plan	
Figure from end of Calc Package – intake drawing	
CD of U.S. Dept. of Agriculture, Soil Conservation Service, Soil Survey of Jackson County Alabama, March 1954.	
U.S. EPA Groundwater Monitoring in Karst terrains, Recommended Protocols	



and Implicit Assumptions, EPA/600/x-89/050, March 1989.	
<b>Terrestrial Ecology</b>	
CD of Foraging ecology of the Endangered Gray Bat at Guntersville Reservoir, Alabama	
Wetlands site visit: Wetland Input	
TVA FEIS for the Bellefonte Conversion Project	
Literature Summary and Habitat Suitability Index Model – Components of Summer Habitat for the Indiana Bat	
Sensitive Area Review	
A Guide for Environmental protection and BMPs for TVA Transmission Construction and Maintenance Activities	
Pages from FEIS for the Production of Tritium in a Commercial Light Water Reactor	
Edit of current Environmental Report – handwritten changes, Errata	
Estes and Flemming, Clematix Morefieldii (Ranunculaceae) New to Tennessee, 2006.	
TVA Bellefonte Conversion – October 1997.	
12/14/07 draft Response Environmental Report 48 concerning U.S. Fish and Wildlife Service winter/spring survey for Price's potato bean and leather flower	
12/14/07 draft Response Environmental Report 47 concerning Alabama DCNR waterfowl changes to Environmental Report Chapter 2 concerning birds	
<b>Aquatic Ecology</b>	
Phipps Bend Nuclear Plant Units 1 and 2 FEIS	
Ecology CD with files – White Amur Town Creek Part 1 and 2, TVA Reservoir Eco Health 2002, 2004, and 2006. RFAI Widows Creek 2005 report. Cumberland River Mussel Survey 2001.	
<b>Socioeconomics/Environmental Justice</b>	
Georgia 2015 Population Projections 2010-2015, Office of Planning and Budget, Policy, Planning and Technical Support, 2005.	
Alabama Population Projections 2000-2025, Center for Business and Economic Research ( <a href="http://cber.cba.ua.edu/publications.html#projection">http://cber.cba.ua.edu/publications.html#projection</a> )	
Population Projections for Tennessee Counties and Municipalities 2000-2020	
Tennessee Valley Authority Bellefonte Nuclear Plant Construction and Operational Employee Survey Results July 31, 1986. Knoxville, TN January 1987. ( <a href="http://11cber.utk.edu/pubs/popproj.pdf">http://11cber.utk.edu/pubs/popproj.pdf</a> )	
Final Environmental Impact Statement for the Bellefonte Conversion Project. Executive Summary. TVA October 1997.	
Alabama Department of Public Health, Co Health Profiles AL 2006, Montgomery AL, ADPH-HS-501D/REV. October 2007.	
Alabama Department of Public Health, Jackson County – Death and Death Rates, 2005.	
<b>Historic and Cultural</b>	
Copies of letters from TVA to Indian Tribes, communication between TVA and Indian Tribes on COLA	
Copies of letters from TVA to SHPO and responses, communication between TVA and SHPO on COLA	
TVA cemetery policy	
EIS reference from 1996 on Bellefonte – cultural resource sections.	
2002 Environmental Assessment from Hartsville.	
CD of validation letter from AOAR stating no NRHP sites within 10 miles	
<b>Radiological</b>	
CD with Input and output for LADTAP and the construction worker dose estimate	
CD with X/Q input and output files	
CD with MACCS2 input and output files	
CD with input files for GASPARE	

<b>Alternatives</b>	
Circulating water conceptual design report, page 5.	
CD of the Alternatives Sites presentation from site audit	
<b>General</b>	
General Site tour map- Figure 201-1 Site Plot Plan	
Murphy Hill Alternative Site tour package	
Native figures from Environmental Report in jpeg format	