

CHAPTER 6

6.0 LIST OF PREPARERS

6.1. NEPA Project Management

Amy Burke Henry

Position: NEPA Specialist
 Education: M.S., Zoology and Wildlife; B.S., Biology
 Experience: 12 years in Biological Surveys, Natural Resources Management Planning, and Environmental Reviews
 Involvement: NEPA Compliance and Document Preparation

Ruth M. Horton

Position: Senior NEPA Specialist
 Education: B.A., History
 Experience: 30 years in Public Policy and Planning, including 12 years in Environmental Impact Assessment
 Involvement: NEPA Project Manager

Anita E. Masters

Position: Senior NEPA Specialist
 Education: M.S., Biology/Fisheries; B.S., Wildlife Management
 Experience: 22 years in Fisheries Biology/Aquatic Community and Watershed Assessments, Protected Aquatic Species and Habitat Monitoring, and NEPA Compliance
 Involvement: NEPA Compliance and Document Preparation

Loretta McNamee

Position: Contract Biologist
 Education: B.S., Biology
 Experience: 1 year NEPA Compliance
 Involvement: Document Preparation and Comment Management

Charles P. Nicholson

Position: NEPA Program Manager
 Education: Ph.D., Ecology and Evolutionary Biology; M.S., Wildlife Management; B.S., Wildlife and Fisheries Science
 Experience: 31 years in Zoology, Endangered Species Studies, and NEPA Compliance
 Involvement: NEPA Compliance and Document Preparation

Bruce L. Yeager

Position: NEPA Program Manager
 Education: M.S., Zoology (Ecology); B.S., Zoology (Aquatic Ecology)
 Experience: 33 years in Environmental Compliance for Water, Air, and Land Use Planning; Environmental Business Services
 Involvement: NEPA Compliance, Climate Change, Other Effects

6.2. Other Contributors

Anne M. Aiken

Position: Senior Environmental Engineer
Education: M.S., Environmental Engineering; B.A., Environmental Studies
Experience: 19 years in Water Quality and Environmental Engineering Services
Involvement: Surface Water and Industrial Wastewater

John G. Albright

Position: Civil Engineer
Education: B.S., Civil Engineering
Experience: 29 years in Transmission Line Design/Construction, Fossil Waste Planning and Disposal, Fossil Site and Environmental Design, Fossil and Hydro Environmental Permitting, Fossil Railroad Inspection and Upgrade, Gas Transmission Pipeline Design, NEPA Environmental Reviews
Involvement: Transportation

Nolan D. Baier

Position: Senior Specialist
Education: B.S., Civil Engineering; MBA
Experience: 10 years Energy Industry Analytics
Involvement: Need for Power Analysis and Preparer

Jessica M. Baker

Position: Resource Planning Specialist
Education: M.B.A. and B.B.A., Finance
Experience: 8 years in Risk Management, Price Forecasting and Long-Term Planning
Involvement: Need for Power

Hugh S. Barger

Position: Environmental Engineering Specialist
Education: B.S., Engineering
Experience: 36 years in Transmission Line Planning and Preparation of Environmental Review Documents
Involvement: Project Coordination, Purpose and Need, Description of Alternatives

John (Bo) T. Baxter

Position: Specialist, Aquatic Endangered Species Act Permitting and Compliance
Education: M.S. and B.S., Zoology
Experience: 19 years in Protected Aquatic Species Monitoring, Habitat Assessment, and Recovery; 11 years in Environmental Review
Involvement: Aquatic Ecology/Threatened and Endangered Species

Francine Beck

Position: Technical Specialist, ENERCON
 Education: Ph.D. and M.A., Geography; B.S. Land Use
 Experience: 3 years in BLN COLA preparation; 9 years in Program Development/Project Management; 6 years in Technical Editing
 Involvement: Document Preparation; Contributing Author for AP1000 Information, Socioeconomics, Spent Fuel, and Chemical Additives

Ralph Berger

Position: Technical Specialist, ENERCON
 Education: P.E., Ph.D., M.S. and B.S., Mechanical Engineering
 Experience: 28 years in Nuclear Utility Industry
 Involvement: Cooling Tower Plume Impacts, Control Room Habitability, and Severe Accident Consequences

Susan H. Biddle

Position: Senior Manager, Long-Term Resource Planning
 Education: M.S., Environmental Engineering, B.S., Civil Engineering
 Experience: 14 years in Reservoir Operations and Power Supply Planning
 Involvement: Need for Power

Gary S. Brinkworth, P.E.

Position: Senior Manager, New Generation and Portfolio Optimization System Planning (Strategy and Business Planning)
 Education: M.S. and B.S., Electrical Engineering
 Experience: 28 years Electric Utility Experience (System Planning, DSM Analysis, Forecasting, and Rate Analysis)
 Involvement: Need for Power, Alternative Energy Sources

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 Involvement: Groundwater/Surface Water

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Position: Environmental Engineer Specialist
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 Experience: 27 years in Environmental Control Technology Development and Environmental Impact Analysis
 Involvement: Groundwater and Surface Water Resources; Wastewater; Solid and Hazardous Waste

Jennifer M. Call

Position: Meteorologist
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Involvement: Air Resources

James S. Chardos

Position: Program Manager, Tritium Production, TVA Nuclear, WBN
Education: B.S., Physics; Executive MBA
Experience: 6 years in U.S. Nuclear Submarine Service; 40 years in Nuclear Plant Project Management
Involvement: Site Manager and Plant Technology

Edward L. Colston

Position: Senior Manager, Market & Program Analysis, Energy Efficiency & Demand Response
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Experience: 31 years in Design, Demonstration, Implementation, and Evaluation of Energy Efficiency and Demand Response Technologies and Programs, as well as Market Research
Involvement: Energy Conservation

Patricia B. Cox

Position: Botanist, Specialist
Education: Ph.D., Botany (Plant Taxonomy and Anatomy); M.S. and B.S., Biology
Experience: 31 years in Plant Taxonomy at the Academic Level; 6 years in Environmental Assessment and NEPA Compliance
Involvement: Threatened and Endangered Species Compliance, Invasive Plant Species, and Terrestrial Ecology

Elizabeth A. Creel

Position: General Manager, Resource Planning
Education: B.S., Mathematics
Experience: 33 years in System Planning and Bulk Power Trading Areas
Involvement: Need for Power Review

Thomas Cureton Jr.

Position: Civil Engineer
Education: M.S., Civil Engineering
Experience: 34 years in Power Plant Design and Inspection and Transmission Line and Substation Siting
Involvement: Project and Siting Alternatives

Adam J. Dattilo

Position: Botanist
 Education: M.S., Forestry; B.S., Natural Resource Conservation Management
 Experience: 8 years in Ecological Restoration and Plant Ecology; 5 years in Botany
 Involvement: Threatened and Endangered Plant Species, Botany, Plant Ecology, and Invasive Plant Species

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Position: Program Manager, Investment Trusts
 Education: M.B.A., General Management; B.S., Economics and Finance; A.S., Business Administration
 Experience: 10 years in Treasury-Finance
 Involvement: Decommissioning

David C. DeLoach

Position: Electrical Engineer
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 Experience: 9 years in Bulk Transmission Planning
 Involvement: Transmission and Construction Power Supply

Britta P. Dimick

Position: Wetlands Biologist
 Education: M.S., Botany-Wetlands Ecology Emphasis; B.A., Biology
 Experience: 11 years in Wetlands Assessments, Botanical Surveys, Wetlands Regulations, and/or NEPA Compliance
 Involvement: Wetlands

James H. Eblen

Position: Contract Economist
 Education: Ph.D., Economics; B.S., Business Administration
 Experience: 41 years in Economic Analysis and Research
 Involvement: Socioeconomics and Environmental Justice

David A. Hankins

Position: Geographic Analyst
 Education: B.S., Fish and Wildlife Management
 Experience: 29 years in Geographic Information and Engineering
 Involvement: GIS Maps

Michelle S. Harle

Position: Contract Archaeologist
 Education: ABD, M.A., B.A. in Anthropology
 Experience: 11 years in Archaeology
 Involvement: Cultural Resource Analysis

Heather M. Hart

Position: Contract Natural Areas Biologist
Education: M.S., Environmental and Soil Science; B.S., Plant and Soil Science
Experience: 7 years in Surface Water Quality, Soil and Groundwater Investigations, and Environmental Reviews
Involvement: Managed Areas

Jeffrey W. Head

Position: Nuclear Engineer, ENERCON
Education: B.S., Nuclear Engineering
Experience: 2 Years in Nuclear Power Modifications and Analysis
Involvement: Transportation of Radioactive Materials, Atmospheric Dispersion. Radioactive Waste, Gaseous Doses

Travis Hill Henry

Position: Terrestrial Endangered Species Specialist
Education: M.S., Zoology; B.S., Wildlife Biology
Experience: 20 years in Zoology, Endangered Species, and NEPA Compliance
Involvement: Terrestrial Ecology, Threatened and Endangered Species

John M. Higgins, P.E.

Position: Water Quality Specialist
Education: Ph.D., Environmental Engineering; B.S. and M.S., Civil Engineering
Experience: 36 years in Environmental Engineering and Water Resources Management
Involvement: Surface Water and Wastewater

Paul N. Hopping

Position: Technical Specialist
Education: Ph.D., Civil and Environmental Engineering; M.S. and B.S., Civil Engineering
Experience: 26 years in Hydrothermal and Surface Water Analysis
Involvement: Hydrothermal and Surface Water Analysis

Charles S. Howard

Position: Aquatic Endangered Species Biologist
Education: M.S., Zoology (Aquatic Ecology); B.S., Biology
Experience: 17 years in Aquatic Ecology Research, Consulting, and Impact Assessment Specializing in Freshwater Mussels
Involvement: Aquatic Threatened and Endangered Species (Mollusks)

Nathan D. Jackson

Position: Nuclear Engineer, ENERCON
Education: B.S., Nuclear Engineering
Experience: 1 year in BWR Reactor Engineering, 4 months in Nuclear Power Modifications and Analysis
Involvement: Design Basis Accident Doses, Gaseous Doses

Walter M. Justice II

Position: BLN Site Engineering Manager
 Education: B.S., Mechanical Engineering
 Experience: 27 years in Commercial Nuclear Power, Engineering, and Analysis
 Involvement: B&W Plant Technology

T A Keys

Position: Manager, Nuclear Fuel Supply
 Education: M.S., Nuclear Engineering; M.S., Engineering Administration; B.S., Physics
 Experience: 32 years in Nuclear Fuel-Related Activities
 Involvement: Spent Fuel Storage

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Position: Biologist/Zoologist
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 Experience: 6 years in Biological Surveys, Natural Resource Management, and Environmental Reviews
 Involvement: Terrestrial Ecology and Threatened and Endangered Species

Eric D. Loyd

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 Experience: 4 years in Mechanical Engineering
 Involvement: Performed Hydrothermal Simulations Using CORMIX

Robert A. Marker

Position: Contract Recreation Planner
 Education: B.S., Outdoor Recreation Resources Management
 Experience: 37 years in Recreation Resources Planning and Management
 Involvement: Recreation Resources

Norman M. Meinert, P.E.

Position: Project Manager, ENERCON
 Education: B.S., Mechanical Engineering
 Experience: 15 years Project Management and 10 years Mechanical Design and Analysis
 Involvement: Project oversight and SEIS Review

Roger A. Milstead, P.E.

Position: Program Manager, Flood Risk
 Education: B.S., Civil Engineering
 Experience: 34 years in Floodplain and Environmental Evaluations
 Involvement: Floodplains

Jared Monroe

Position: Mechanical Engineer, ENERCON
Education: B.S., Mechanical Engineering
Experience: 3 Years in Health Physics, Meteorology, and Mechanical Engineering
Involvement: Routine Doses and Meteorology

Todd C. Moore

Position: Civil Engineering Siting and Environmental
Education: M.S. and B.S., Civil Engineering
Experience: 7 years in Civil Design, 4 years in Fossil Plant Maintenance; 4 years in Transmission Line Siting
Involvement: Transmission Lines

Joanne Morris

Position: Supervisor Mechanical Engineering, ENERCON
Education: M.S., Mechanical Engineering, B.A., Physics
Experience: 25 years in Nuclear Utility Industry
Involvement: Design Basis Accident Doses, Gaseous Doses, Liquid Doses, and Control Room Habitability

Marvin Morris

Position: Supervisor Safety Analysis, ENERCON
Education: B.S., Mathematics; M.S. Physics
Experience: 30 years in Nuclear Utility Industry
Involvement: Design Basis Accident Doses, Gaseous Doses, Liquid Doses, Cooling Tower Plume impacts, Transportation, Control Room Habitability, and Severe Accident Consequences

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Involvement: Seismology

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Experience: 25 years in Thermal-Hydraulic, Nuclear and Radiological Analyses
Involvement: Normal Liquid Doses and Atmospheric Dispersion Factor Analyses

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 Involvement: Evaluation of Chemical Additives to Raw Water

W. Chett Peebles, RLA; ASLA

Position: Specialist, Landscape Architect
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 Experience: 21 years in Site Planning, Design, and Scenic Resource Management; 4 years in Architectural History and Historic Preservation
 Involvement: Visual Resources and Historic Architectural Resources

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Position: Archaeologist
 Education: M.A., Anthropology
 Experience: 10 years in Archaeology and Cultural Resource Management
 Involvement: Cultural Resources

William L. Raines

Position: Technical Specialist
 Education: Ph.D., Chemistry (Nuclear/Radiochemistry)
 Experience: 30 years in Radiological Environmental Monitoring and Radioanalytical Analysis
 Involvement: Radiological Environmental Monitoring Program

Jerry I. Riggs

Position: GIS Specialist, ENERCON
 Education: B.S., Biochemistry; M.A., Geography
 Experience: 5 years Nuclear Utility Industry
 Involvement: GIS, Socioeconomic Analysis, and Environmental Justice

Helen Robertson

Position: Technical Specialist, ENERCON
 Education: Ph.D., Geography
 Experience: 8 years Geographic Research and Teaching; 7 years Technical Writing, Editing, and Graphic Design
 Involvement: Socioeconomic Analysis

Rick Rogers

Position: Mechanical Engineer, ENERCON
 Education: B.S., Mechanical Engineering
 Experience: 2 years in Dose Analysis
 Involvement: Severe Accident and Design Basis Accident Analyses

Jeffrey W. Simmons

Position: Aquatic Zoologist
Education: M.S., Biology; B.S., Wildlife and Fisheries Science
Experience: 8 years in Aquatic Species (crayfish, fish, mussels, snails)
Involvement: Aquatic Biology

Thomas E. Spink

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Experience: 36 years in Nuclear Licensing, Engineering, Quality Assurance, Materials and Project Management, and Power System Planning
Involvement: NGDC Project Manager

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Experience: 6 years in GIS and Socioeconomics
Involvement: Socioeconomic Analysis

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Experience: 29 years in Nuclear Plant Safety Analysis, Licensing, Regulatory, and Engineering; 8 years in Management Bellefonte Project Coordination and Management Review
Involvement:

Kevin M. Stewart

Position: Water Resources Engineer
Education: M.S. and B.S., Civil and Environmental Engineering
Experience: 7 years in Hydrothermal and Surface Water Analysis
Involvement: Hydrothermal and Surface Water Analysis

Jan K. Thomas

Position: Contract Natural Areas Specialist
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Involvement: Natural Areas

Rachel E. Turney-Work

Position: Senior Technical Specialist
 Education: M.A. and B.A., Geography
 Experience: 8 years in Geography, GIS, Socioeconomic and Land Use Analyses
 Involvement: Socioeconomic Analysis

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Position: Senior Principal Management Consultant, S&L
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 Involvement: Need for Power, Energy Alternatives

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Position: Meteorologist
 Education: M.B.A.; B.S., Meteorology
 Experience: 34 years in Meteorology
 Involvement: Tornado Risk and General Meteorology

Cassandra L. Wylie

Position: Atmospheric Analyst
 Education: M.S., Forestry and Statistics; B.S., Forestry
 Experience: 21 years in Atmospheric Modeling and Effects of Air Pollution on Forests; 9 years in Noise Analysis
 Involvement: Noise Impacts

W. Richard Yarnell

Position: Archaeologist
 Education: B.S., Environmental Health
 Experience: 38 years, Cultural Resource Management
 Involvement: Cultural Resources

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CHAPTER 7

7.0 DISTRIBUTION OF FSEIS

7.1. List of Agencies, Organizations, and Persons to Whom Copies of the FSEIS Were Sent and to Whom an E-Link was Provided

Following is a list of agencies, organization, officials, libraries and individuals to whom either published copies (bound or compact disc [CD]) of the FSEIS were provided, or Web links to an active TVA web site from which the document can be accessed were sent. Those names with an asterix (*) received copies of both the FSEIS and DSEIS.

Federal Agencies Receiving the FSEIS (Hard Copy or CD)

Natural Resources Conservation Service, Alabama State Conservationist*
 Natural Resources Conservation Service, Georgia State Conservationist*
 U.S. Army Corps of Engineers, Mobile District*
 U.S. Army Corps of Engineers, Nashville District*
 U.S. Army Corps of Engineers, Savannah District*
 U.S. Department of the Interior*
 U.S. Environmental Protection Agency*
 U.S. Fish and Wildlife Service, Cookeville Field Office*
 U.S. Fish and Wildlife Service, Daphne Field Office*
 U.S. Fish and Wildlife Service, Refuge Office*
 U.S. Fish and Wildlife Service, Southeast Region Office*
 U.S. Forest Service, Chattahoochee-Oconee National Forests*
 U.S. Forest Service, Region 8*
 U.S. Nuclear Regulatory Commission*
 National Park Service, Chickamauga-Chattanooga National Military Park National Park Service, Southeast Region Office*

State Agencies Receiving the FSEIS (Hard Copy or CD)

Alabama

Alabama Department of Conservation and Natural Resources*
 Alabama Department of Environmental Management*
 Alabama Department of Environmental Economic and Community Affairs*
 Alabama Historical Commission*
 North-Central Alabama Regional Council of Governments*
 Top of Alabama Regional Council of Governments*

Georgia

Economic Development Administration*
 Georgia Department of Natural Resources, Environmental Protection Division*
 Georgia Department of Natural Resources, Historic Preservation Division*
 Georgia Department of Natural Resources, Wildlife Resources Division*
 Georgia State Clearing House*

Tennessee

Southeast Tennessee Development District*
 South Central Tennessee Development District*
 Tennessee Department of Economic and Community Development*
 Tennessee Department of Environment and Conservation, Division of Air Pollution Control*

Tennessee Department of Environment and Conservation, Division of Ground Water Protection*
Tennessee Department of Environment and Conservation, Division of Water Supply*
Tennessee Department of Environment and Conservation, Resource Management Division*
Tennessee Historical Commission*
Tennessee Wildlife Resources Agency*

Federally Recognized Tribes (E-mail notification of availability)

Eastern Band of Cherokee Indians*
United Keetoowah Band of Cherokee Indians in Oklahoma*
Cherokee Nation*
Chickasaw Nation*
Muscogee (Creek) Nation of Oklahoma*
Thlopthlocco Tribal Town*
Kialegee Tribal Town*
Alabama-Quassarte Tribal Town*
Alabama-Coushatta Tribe of Texas*
Eastern Shawnee Tribe of Oklahoma*
Shawnee Tribe*
Absentee Shawnee Tribe of Oklahoma*
Seminole Tribe of Florida*
Jena Band of Choctaw Indians*
Poarch Band of Creek Indians*

Receiving Notification and FSEIS (Hard copy or CD)

David Bednar Jr.
Fort Smith, Arkansas

Charles Jones
Knoxville, Tennessee

James E. Blackburn
Hollywood, Alabama

Donald Kennamer
Scottsboro, Alabama

Faye and Wayne Bynum
Scottsboro, Alabama

Larry E. Kirkland
Chamber of Commerce
Scottsboro, Alabama

Henry Cannon
Scottsboro, Alabama

Harley Martin
Aliceville, Alabama

Ken Ferrell
Scottsboro, Alabama

B.J. Mitchell
Guntersville, Alabama

Professor Paul Friesema
Evanston, Illinois

Garry Morgan
Scottsboro, Alabama

Louise Gorenflo
Sierra Club
Tennessee Chapter

Everett Reed
Scottsboro, Alabama

The Honorable Parker Griffith
Alabama State Representative
Washington, DC

Michelle Robertson
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James Guthrie
Scottsboro, Alabama

Goodrich A. Rogers
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Don Safer
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Nashville, Tennessee

James Sandlin
Scottsboro, Alabama

Fred L Schaum
Alabama Development Office
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Lyle Sosrbee
Scottsboro, Alabama

William Stiles
Scottsboro, Alabama

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Blue Ridge Environmental Defense League
Glendale Spring, North Carolina

John W. Woodall
Scottsboro, Alabama

George W. York
Dutton, Alabama

Receiving Notification of Availability

Gary Baran
Scottsboro, Alabama

Sara Barczak
Southern Alliance for Clean Energy
Savannah, Georgia

Mayor Virginia Bergman
City of Hollywood, Alabama

Jimmy D. Blevins
Scottsboro, Alabama

Ken Bonner
Scottsboro, Alabama

Tommy Bryant
Stevenson, Alabama

Laura Bundy
Fort Payne, Alabama

Jessie W. Craig, I.B.E.W
Henagar, Alabama

Wayne Cummins
Sand Mountain Concerned Citizens
Ider, Alabama

Frank DePinto
Chattanooga, Tennessee

Phil Dutton
Hollywood City Council
Hollywood, Alabama

Daryl Eustace
Scottsboro, Alabama

John Gay
Scottsboro, Alabama

Stewart Horn
New Hope, Alabama

Norman C. Johnson
Scottsboro, Alabama

Therrel Jones
Scottsboro, Alabama

Frances Lamberts
Jonesborough, Tennessee

Jack Livingston
Scottsboro, Alabama

Ross McCluney
Chattanooga, Tennessee

Robert McMaster
Marietta, Georgia

Mike Paris
Hollywood, Alabama

The Honorable Melton Potter
Mayor of Scottsboro
Scottsboro, Alabama

Tereia Sandifer
Dutton, Alabama

Shelia Sheppard
Jackson County EDA
Scottsboro, Alabama

Jimmy R. Spires
Scottsboro, Alabama

Single Nuclear Unit at the Bellefonte Site

Gary Spradlin
Scottsboro, Alabama

David Thornell
Dutton, Alabama

David Trenkle
Huntsville, Alabama

Shonda Wall
Scottsboro, Alabama

Richard Warr
Hollywood City Council
Hollywood, Alabama

Coleman Wilkinson
Scottsboro, Alabama

Tony D. Williams
Meridionville, Alabama

Libraries

Scottsboro Public Library
Scottsboro, Alabama

Stevenson Public Library
Stevenson, Alabama

Lena Cagle Public Library
Bridgeport, Alabama

Huntsville-Madison County Public Library
Huntsville, Alabama

Decatur Public Library
Decatur, Alabama

Rainsville Public Library
Rainsville, Alabama

Cecil B. Word Learning Center
Northeast Alabama Community College
Rainsville, Alabama

Beene-Pearson Public Library
South Pittsburg, Tennessee

Chattanooga-Hamilton County Public Library
Chattanooga, Tennessee

7.2. DSEIS Press Release



NEWS RELEASE

TVA Seeks Comments on Draft Bellefonte Environmental Statement

SCOTTSBORO, Ala. – TVA will hold an open house Tuesday, Dec. 8, in Scottsboro to receive public comments on the environmental review of alternatives for completing and operating a nuclear reactor at the Bellefonte Nuclear Plant site near Hollywood, Ala.

TVA is asking for public comments on three proposed alternatives outlined in a draft supplemental environmental impact statement -- completing one of the existing units, building a new reactor or taking no action.

The environmental review also addresses transmission improvements required to support electric generation at the Bellefonte site. All transmission work would be on existing rights of way.

In 2007, TVA submitted applications to the Nuclear Regulatory Commission for construction and operation of two advanced technology Westinghouse AP1000 reactors at Bellefonte and is currently studying the feasibility of finishing partially constructed units at the site.

The open house will be held from 4 to 8 p.m. at the Goose Pond Civic Center, 876 Ed Hembree Drive in Scottsboro. During the open house, TVA staff will be available to discuss the alternatives and potential environmental impacts of completing and operating a nuclear unit at Bellefonte.

Under provisions of the National Environmental Policy Act, TVA prepared the draft supplemental environmental impact statement using reports previously prepared for the construction of the units, as well as new information.

Along with the detailed engineering and feasibility study, the environmental review will help TVA decide whether to complete one of the existing unfinished units at the plant or construct a new nuclear unit.

The draft supplemental environmental impact statement is available for review and comment online at www.tva.gov/environment/reports/blnp/index.htm. Comments may also be mailed to Ruth Horton, 400 Summit Hill Drive (WT-11D), Knoxville, TN 37902 or faxed to (865) 632-3451. All written comments must be received by Dec.28.

TVA is the nation's largest public power provider and is completely self-financing. TVA provides power to large industries and 158 power distributors that serve

7.3. Information Open House Paid Advertisement

Notice of Public Meeting

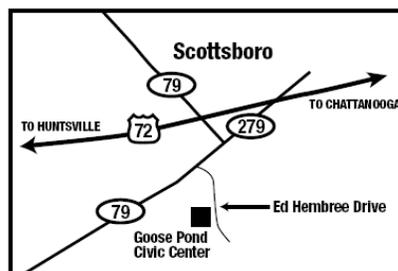


TVA Open House on Bellefonte Nuclear Site Environmental Statement

TVA will hold an open house in Scottsboro, Alabama, to discuss the draft supplemental environmental impact statement (SEIS) for the possible completion of an existing nuclear unit or construction of a new reactor at Bellefonte Nuclear Plant site.

The public is invited to stop by anytime during the open house to provide comments or ask questions about the draft SEIS. Copies of the document will be available at the open house and are also available on the TVA website at the address below.

Three proposed alternatives are outlined in the draft document: completing one of the existing units, building a new reactor, or taking no action. The environmental review also addresses transmission system improvements that would be needed on existing rights of way to support power generation at Bellefonte.



Comments about the draft SEIS can be submitted during the open house or anytime before December 28, 2009. These comments will be considered and addressed in the final SEIS. Any comments received, including names and addresses, will become part of the administrative record and will be available for public inspection.

Along with the detailed engineering and feasibility study currently in progress, this environmental review will help TVA decide if one of the alternatives should be selected to meet the growing base-load power demand.

WHAT: Public Open House
DATE: Tuesday, December 8, 2009
TIME: 4 p.m. to 8 p.m. CST
LOCATION: Goose Pond Civic Center
876 Ed Hembree Drive, Scottsboro, Alabama

The draft SEIS was made available for public review on November 4, 2009. It can be viewed and comments submitted at www.tva.gov/environment/reports/blnp. Comments may also be submitted by mail, fax, or e-mail to:

Ruth Horton, Senior NEPA Specialist
400 Summit Hill Dr., WT-11D, Knoxville, TN 37902
865-632-3719 Fax: 865-632-3451
blnp@tva.com

If you have special needs, please call Ruth Horton at least five days prior to the open house. You may also e-mail or call her to request a printed copy of the draft SEIS.

Newspapers That Published the Paid Advertisement

Wednesday, December 2, 2009

Chattanooga Times Free Press
Guntersville Advertiser
Huntsville Times

Thursday, December 3, 2009

Rainesville Weekly Post
Scottsboro Daily Sentinel

Friday, December 4, 2009

Chattanooga Hamilton County Herald

Monday, December 7, 2009

Stevenson North Jackson Progress

7.4. Open House Handout

**Information Open House
Final Supplemental Environmental Impact Statement
Single Nuclear Unit at the Bellefonte Site
Goose Pond Civic Center, Scottsboro, AL
December 8, 2009**

Meeting Purpose

Thank you for attending our information open house. The purpose of this meeting is to provide the opportunity for you to ask questions about the draft supplemental environmental impact statement (SEIS) and to make comments on TVA's analysis of the potential for environmental effects from completing or constructing, and operating a single nuclear unit at the Bellefonte Nuclear Plant (BLN) site in Jackson County, Alabama.

The following information stations are available to visit in the meeting room:

- NEPA Process
- Transmission Upgrades
- Socioeconomics /Air Quality & Meteorology
- Nuclear Plant Operation/Nuclear Plant Safety and Security
- Project Description
- Need for Power
- Water Quality
- Aquatic and Terrestrial Ecology

Under provisions of the National Environmental Policy Act (NEPA), TVA prepared the draft SEIS to supplement and update environmental documents previously prepared for the construction and operation of a nuclear power plant at the Bellefonte site. The TVA Board will use this information along with a detailed engineering and feasibility study currently underway as well as input provided by reviewing agencies and the public to make an informed decision about whether or not to complete an existing nuclear unit or to construct a new reactor. A decision is anticipated in spring 2010.

How to Comment

TVA encourages you to submit comments on the draft SEIS. Please note that to be included in the official project record, comments must be received by TVA during the 45-day comment period that began on November 13, 2009. **Comments must be received no later than December 28, 2009.**

At today's meeting, comments can be made either orally to the court reporter, in writing on the attached comment form, or on TVA's Web site using one of our laptop computers. Comments can also be submitted at any time during the comment period through TVA's Web site, www.tva.gov/blnp by e-mail at blnp@tva.com, by fax to 865-632-3451, or by U.S. mail to the address below. All comments received, including names and addresses, will become part on the administrative record and will be available for public inspection.

Ruth Horton
TVA NEPA Compliance
400 West Summit Hill Drive (WT-11D)
Knoxville, TN 37902

Using any of these methods, you may also request to be notified of the publication of the Final SEIS on the TVA Web site or to receive a copy of it. The Final SEIS is expected to be available in February 2010.

Proposed Action

TVA proposes to complete or construct, and operate a single approximately 1,100 to 1,200 megawatt (MW) nuclear generating unit at the BLN site. TVA may choose to complete and operate one of the partially constructed Babcock and Wilcox (B&W) pressurized light water reactors, or to construct and operate a new Westinghouse AP1000 advanced pressurized light water reactor (AP1000), or to take no action. Under either of the Action Alternatives, construction activities would incorporate existing facilities and structures and use previously disturbed ground within the BLN site where possible. The existing transmission system would need to be upgraded to prevent overloading while transmitting electricity generated by a new reactor at the BLN site. No new electric transmission lines are proposed.

TVA is making this proposal to meet the need for additional baseload power capacity on the TVA system, maximize the use of existing assets and licensing processes, avoid larger capital expenses by using those existing assets and avoid the environmental impacts of siting and construction new power generating facilities elsewhere. The considerable work that has been accomplished toward licensing the B&W and AP1000 technologies at the BLN site will reduce the time and cost of bringing a single unit on line.

Background

The BLN site is located on a 1,600-acre peninsula on the western shore of Guntersville Reservoir at Tennessee River mile 392, near Hollywood, Alabama.

Construction on the B&W Units 1&2 began in 1974 and continued until 1988 when the Nuclear Regulatory Commission (NRC) granted BLN deferred status. At that time, Unit 1 was approximately 90 percent complete and Unit 2 was approximately 58 percent complete.

BLN Units 1&2 were maintained in deferred status until the project was cancelled and TVA's construction permits were relinquished in 2006. In August 2008, in response to changes in power generation economics, TVA requested reinstatement of the Unit 1&2 construction permits. NRC reinstated the construction permits in March 2009.

Additionally, in 2006 TVA joined NuStart Energy Development, LLC, a consortium consisting of utilities and reactor vendors, with the goal of demonstrating NRC's new combined license application (COLA) process. NuStart chose the BLN site as the demonstration site for the AP1000 technology and TVA submitted a COLA to NRC in October 2007.

TVA forecasts additional baseload generation will be needed in the 2018 to 2020 time frame. Using new nuclear generation will help TVA to meet its goal to have at least 50 percent of its generation portfolio comprised of low- or zero-carbon-emitting sources by the year 2020.

TVA is also currently updating its Integrated Resource Plan (IRP) for future power needs. TVA is proceeding with a decision for new generation at the BLN site because waiting until 2011 for the completion of the IRP before starting evaluation of Bellefonte options could delay availability of baseload generation when needed. Preparing this SEIS for evaluating nuclear options at Bellefonte does not limit the alternatives considered in the IRP.

Fact Sheet

Characteristics		Generation Alternative		
		A – No Action	Alternative B – B&W Unit	Alternative C – AP1000 Unit
Plant Design	Electrical output	Not applicable	At least 1,200 MW	At least 1,100 MW
	Number of fuel assemblies		205	157
	Lifespan		40 years	60 years
	Engineered safety features		Active shutdown and cooling system powered by AC generators.	Passive core cooling system based upon gravity, natural circulation, and compressed gasses.
	Cooling system		Closed-cycle	Closed-cycle
	Ultimate heat sink		Guntersville Reservoir	Atmosphere
Construction	Duration of construction	Not applicable	7.5 years	6.5 years
	Peak on-site workforce		3,015	2,933
	Plant footprint (approximate)	400 acres. Negligible clearing or regrading	400 acres – Minor re-clearing and grading of previously disturbed ground.	585 acres – 185 acres previously undisturbed ground cleared. Minor re-clearing and grading of previously disturbed ground.
	Completion or construction of facilities	No change – routine maintenance.	Activities include: replace steam generators, refurbish or replace instrumentation and various equipment, upgrade barge unloading dock, upgrade cooling tower. No major buildings demolished.	Off-site construction of modules delivered to BLN via barge and completed on site. Several buildings demolished, including turbine building and administration complex.
	Dredging	None	11,100 cubic yards dredged from 1,960 feet of intake channel.	10,000 cubic yards dredged from 1,200 feet of intake channel, and 240 cubic yards from barge unloading dock.
Operation	Typical amount of water withdrawn from Guntersville Reservoir for plant cooling	None withdrawn. Approximately 400,000 gallons per quarter year released.	34,000 gpm ¹ withdrawn 22,650 gpm released	23,953 gpm withdrawn 7,914 gpm released
	Number of on-site staff	200	849	650
	Radiological effects of normal operations	None	Doses to the public from discharge of radioactive effluents would be a small fraction of the dose considered safe by the NRC. (10 CFR Part 50, Appendix I)	
	Number of fuel assemblies needed for 40-year operation	None	2,285	1,821
	Number of containers needed for long-term storage of spent fuel	None	96	76
Cost	Construction	Not applicable	\$3,120 – \$3,360/kWe ²	\$3,300 – \$4,900/kWe
	Operation and maintenance	Not applicable	\$.0132/k5Wh ³	\$.0126/kWh

¹ gpm = gallons per minute

² kWe = kilowatt electric, i.e. cost per unit of power capacity

³ kWh = kilowatt hour, i.e. cost expressed per unit of power generated

CHAPTER 8

8.0 LITERATURE CITED

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