



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 20, 2018

Mr. Nelson Harjo, Chief  
Alabama–Quassarte Tribal Town  
P. O. Box 187  
Wetumka, OK 74883

SUBJECT: SECTION 106 CONSULTATION AND NOTIFICATION OF THE ISSUANCE OF THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE EARLY SITE PERMIT APPLICATION FOR THE CLINCH RIVER NUCLEAR SITE IN ROANE COUNTY, TENNESSEE

Dear Chief Harjo:

The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing an application submitted by the Tennessee Valley Authority (TVA) for an early site permit (ESP) for the Clinch River Nuclear (CRN) Site near Oak Ridge, Tennessee. The U.S. Army Corps of Engineers, Nashville District (USACE), is a cooperating agency on the draft environmental impact statement (DEIS), which was prepared in accordance with Title 10 of the *Code of Federal Regulations* Part 51, the NRC's regulations that implement the National Environmental Policy Act (NEPA) of 1969, as amended. By letter dated April 20, 2017, the NRC staff notified you that in accordance with 36 CFR 800.8(c), the staff is using the NEPA process to comply with its obligations under Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, in lieu of the procedures set forth in 36 CFR 800.3 through 800.6. A DVD of the DEIS, NUREG-2226, "Environmental Impact Statement for an Early Site Permit (ESP) for the Clinch River Nuclear Site: Draft Report for Comment" is enclosed for your information and review.

For your convenience, a Reader's Guide is attached to the DVD. The Reader's Guide is a detailed brochure to facilitate your understanding of the proposed action and its potential environmental impacts.

The NRC and USACE staff plan to hold two public meetings to discuss the analyses and results in the DEIS on Tuesday, June 5, 2018, at Noah's Event Venue, 1200 Ladd Landing Boulevard, Kingston, Tennessee. The first meeting will convene at 2:00 p.m. and will continue until 4:00 p.m., as necessary. The second meeting will convene at 7:00 p.m., with a repeat of the overview portions of the first meeting, and will continue until 9:00 p.m., as necessary. The meetings will be transcribed and will include: (1) a presentation of the contents of the DEIS; and (2) the opportunity for interested government agencies, organizations, and individuals to provide comments on the DEIS. Additionally, the NRC and USACE staff will host informal discussions one hour before the start of each meeting during which members of the public may meet with NRC and USACE staff. You and your staff are invited to attend.

In the DEIS, the NRC evaluated the potential effects of building and operating two or more small modular reactors on historic properties within the direct and indirect areas of potential effect, and described how TVA's programmatic agreement resolves potential adverse effects to historic properties. The historic and cultural resources analysis contained in the DEIS, is based on an environmental audit conducted by NRC staff of the CRN Site, review of historic and archaeological records at the Tennessee Historic Commission and the Tennessee Division of Archaeology offices, review of cultural resources field investigation reports completed by TVA, and NRC's ongoing consultation. Chapter 2 of the DEIS provides a discussion of the area of potential effects (APE), and a description of historic and cultural resources identified in the APE. Chapters 4 and 5 discuss impacts to historic and cultural resources from construction and operation including an assessment of effects to historic properties. Chapter 7 addresses cumulative impacts to historic properties and cultural resources. An ESP does not, however, authorize construction and operation of a nuclear power plant. Such authorization would require an additional application and review.

Pursuant to 36 CFR 800.8(c), the NRC requests that your office submit any information, comments, or concerns you feel are appropriate on the DEIS during the comment period, which ends on July 13, 2018. Comments can be submitted: (1) by e-mail to [ClinchRiverESPEIS@nrc.gov](mailto:ClinchRiverESPEIS@nrc.gov); or (2) in person during the public meetings. After consideration of public comments received, as well as information received through consultation, the NRC will prepare a final environmental impact statement, which is scheduled to be published in June 2019.

The DEIS is available through the NRC's Agencywide Document Access and Management System (ADAMS), which is accessible from the NRC's Web site at <http://www.nrc.gov/reading-rm/adams.html> under ADAMS Accession No. ML18100A220 and ML18100A223. In addition, the DEIS can be found online at the NRC's Clinch River Nuclear Web site at <http://www.nrc.gov/reactors/new-reactors/esp/clinch-river.html>.

If you have any questions concerning the NRC staff's environmental review of this ESP application, please contact Ms. Patricia Vokoun, NRC Environmental Project Manager for the CRN ESP project, at (301) 415-3470 or by e-mail at [Patricia.Vokoun@nrc.gov](mailto:Patricia.Vokoun@nrc.gov), or in her absence, please contact Ms. Tamsen Dozier at (301) 415-2272 or by e-mail at [Tamsen.Dozier@nrc.gov](mailto:Tamsen.Dozier@nrc.gov).

Sincerely,



Adrian Muñoz, Acting Branch Chief  
Licensing Branch 3  
Division of New Reactor Licensing  
Office of New Reactors

Docket No.: 52-047

Enclosures:

1. DVD
2. Reader's Guide

cc: Eric Oosahwee-Vos,  
Tribal Historic Preservation Officer



Clinch River Environmental Mailing List

(Revised 03/12/2018)

cc:

Ms. V. Anne Heard  
Acting Regional Administrator  
US EPA Region 4  
61 Forsyth Street SW  
Atlanta, GA 30303-8960

Mr. Lionel Batty  
Nuclear Business Team  
Graftech  
12300 Snow Road  
Parma, OH 44130

Russell Bell  
Nuclear Energy Institute  
1776 I Street, NW  
Suite 400  
Washington, DC 20006-3708

Ms. Amy S. Fitzgerald, Ph.D.  
Government Affairs and  
Information Services Director  
City of Oak Ridge  
P.O. Box 1  
Oak Ridge, TN 37831

Ms. Taconya Goar  
Environmental Affairs Supervisor  
Alabama Department of Conservation and  
Natural Resources  
64 North Union Street, Suite 551  
Montgomery, AL 36130

Mr. Brendan Hoffman  
Research Associate on Nuclear Energy  
Public Citizens Critical Mass Energy and  
Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Ms. Mary Jennings  
Field Supervisor  
U.S. Fish and Wildlife Service  
Tennessee Ecological Services Field Office  
466 Neal Street  
Cookeville, TN 38506

Mr. E. Patrick McIntyre, Jr.  
Executive Director and  
State Historic Preservation Officer  
Tennessee Historical Commission  
State Historic Preservation Office  
2941 Lebanon Pike  
Nashville, TN 37214

Ms. Kathy McNeily  
Director  
Oak Ridge Public Library  
1401 Oak Ridge Turnpike  
Oak Ridge, TN 37830

Mr. Reid Nelson  
Director  
Office of Federal Agency Programs  
Advisory Council on Historic Preservation  
401 F Street NW, Suite 308  
Washington, DC 20001-2637

Mr. Bill Pearson  
Field Supervisor  
U.S. Fish and Wildlife Service  
Alabama Ecological Services Field Office  
1208-B Main Street  
Daphne, AL 36526

Mr. David Repka  
Winston & Strawn LLP  
1700 K. Street, NW  
Washington, DC 20006-3817



Clinch River Environmental Mailing List

Carlos Sisco  
Senior Paralegal  
Winston & Strawn LLP  
1700 K Street NW  
Washington, DC 20006

Ms. Emily Steele  
Kingston Public Library  
1004 Bradford Way  
Kingston, TN 37763

Mr. Daniel P. Stout  
Senior Manager  
SMR Technology  
Tennessee Valley Authority  
1201 P. St., NW Suite 1100  
Washington, DC 20004-1218

Ms. Tammy Turley  
U.S. Army Corps of Engineers  
Nashville District  
3701 Bell Road  
Nashville, TN 37214

## Clinch River Environmental Mailing List

### Email

0e8@ettp.doe.gov (Lynn Sims)  
af4nm@bellsouth.net (Riley Cumberland)  
Alan.Levin@areva.com (Alan Levin)  
alawson@knoxville.tn.gov (Alan Lawson)  
asi@ornl.gov (Anita Benn)  
awc@nei.org (Anne W. Cottingham)  
badwan@lanl.gov (Faris Badwan)  
barncusa@aol.com (James S. Jones)  
bevans@enercon.com (Bob Evans)  
bpaddock@twlakes.net (Brian Paddock)  
bredl@skybest.com (Louis Zeller)  
cee@nei.org  
chkrause23@gmail.com (Carolyn Krause)  
chm3@aol.com (Clyde Morton)  
collinlj@westinghouse.com (Leslie Collins)  
cposlusny@babcock.com (Chester Poslusny)  
curtisslaw@gmail.com (Jim Curtiss)  
d.weaver@westinghouse.com (Doug Weaver)  
david.hinds@ge.com (David Hinds)  
david.lewis@pillsburylaw.com (David Lewis)  
debra.shutls@tn.gov (Debra Shults)  
dhsmith@loudoncourty-tn.gov (Daryl Smith)  
dfulton@southernco.com (Dale Fulton)  
dmichlink@citifab.com (Doug Michlink)  
don.tormey@iub.iowa.gov (Don Tormey)  
dougcolcl@aol.com (Doug Colclasure)  
dpstout@tva.gov (Daniel P. Stout)  
dsafer@comcast.net (Don Safer)  
duane.fournier@iub.iowa.gov (Duane Fournier)  
ed.burns@earthlink.net (Ed Burns)  
edwardsd@mcsed.net (D. Edwards)  
elyman@ucsusa.org (Ed Lyman)  
emermgmt@highland.net (Jody Zorsch)  
erg-xl@cox.net (Eddie R. Grant)  
ethompson@astribe.com (Erin Thompson)  
exa@nei.org (Ellen Anderson)  
exit360tn@yahoo.com (Sean Gallagher)  
F.Shahrokhi@AREVA.Com (Farshid Shahrokhi)  
flowerspa@ornl.gov (Paula Flowers)  
frank.bodine@oca.iowa.gov (Frank Bodine)  
ggilmartin@gengineeringworks.com (Gary Gilmartin)  
gjones28@vols.utk.edu (Graham Jones)  
gmokulczyk@energysolutions.com (Gair Okulczyk)  
gmorg50@hotmail.com (Garry Morgan)

## Clinch River Environmental Mailing List

heradke32@gmail.com (Herman Radke)  
hickste@earthlink.net (Thomas Hicks)  
hudgensdoug@gmail.com (Douglas Hudgens)  
jahalfinger@babcock.com (Jeff Halfinger)  
jake.almond@afmforest.com (Jake Almond)  
jalex1@att.net (James K. Alexandar)  
james1.beard@ge.com (James Beard)  
jamie@utk.edu (Jamie Coble)  
jason.parker@pillsburylaw.com (Jason Parker)  
jcsaldar@bechtel.com (James Saldarini)  
jerald.head@ge.com (Jerald Head)  
jerry.bingaman@tn.gov (Jerry Bingaman)  
Jim.Kinsey@inl.gov (James Kinsey)  
jim.sundermeyer@iub.iowa.gov  
jnperry@tva.gov (Jeff Perry)  
JNR@NuScalePower.com (Jose N. Reyes)  
John.Kutz@vw.com (John Kutz)  
JordanB@Centrusenergy.com (Ben Jordan)  
jrappe@nuscalepower.com (Jodi Rappe)  
kddkjo@icloud.com (Kent Daschke)  
klngcl@westinghouse.com (Charles Kling)  
kouhestani@msn.com (Amir Kouhestani)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
Kwelter@NuScalePower.com (Kent Welter)  
lag@ettp.doe.gov (Holly Clancy)  
larry.shi@oca.iowa.gov (Larry Shi)  
larry.stevens@iub.iowa.gov  
laura.andrews@CNSC-CCSN.GC.CA (Laura Andrews)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
lee.mcgetrick@aecom.com (Lee McGetrick)  
lgorenflo@gmail.com (L. Gorenflo)  
LHofman@pearlgrace.com (Laura Hofman)  
luther.jones@dzatlantic.com (Luther B. Jones)  
mack.thompson@iub.iowa.gov  
mark.a.giles@dom.com (Mark Giles)  
mark.holbrook@inl.gov (Mark Holbrook)  
mark.m.mcintosh@usace.army.mil  
mark@npva.net  
martha.shields@nuclear.energy.gov (Martha Shields)  
martinrc@ornl.gov (Rodger Martin)  
mary\_e\_jennings@fws.gov (Mary Jennings)  
michelle@cleanenergy.com (Michelle Powell)  
mkirkega@vols.utk.edu (Marie Kirkegaard)  
moorejam@charter.net (Johny Moore)  
murawski@newsobserver.com (John Murawski)



## Clinch River Environmental Mailing List

nanako@wcore.com (Nanako Hisamichi)  
nicholas\_luciano@yahoo.com (Nick Luciano)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
Paul@beyondnuclear.org (Paul Gunter)  
paynkey@hotmail.com (Parveen Baig)  
PLorenzini@NuScalePower.com (Paul Lorenzini)  
poorewpiil@ornl.gov (Willis P. Poore III)  
pshastings@tva.gov (Peter Hastings)  
psinselharvey@gmail.com (Parry Harvey)  
rnicholas@ge.com (Robert Nicholas)  
ronald.polle@oca.iowa.gov  
RSnuggerud@NuScalePower.com (Ross Snuggerud)  
rtaylor@hdiac.org (Ryan Taylor)  
ryan.crihfield@tn.gov (Ryan Crihfield)  
Sandra@sandrakgoss.com (Sandra Goss)  
sandykurtz4@gmail.com (Sandy Kurtz)  
sara@cleanenergy.org (Sara Barczak)  
scott.stout@roanecountytn.org (Scott Stout)  
section106@mcn-nsn.gov (Corain Lowe-Zepeda)  
SiteDCC-mpower@babcock.com (Document Control)  
sjones5@utk.edu (Sid Jones)  
smirsky@nuscalepower.com (Steve Mirsky)  
smsloan@babcock.com (Sandra Sloan)  
spellmandj@ornl.gov (Donald J. Spellman)  
sskutnik@utk.edu (Steve Skutnik)  
stephan.moen@ge.com (Stephan Moen)  
stephen.burdick@morganlewis.com (Stephen Burdick)  
t.beach@aol.com (Tom Beach)  
t.sensue@holtec.com (Terry Sensue)  
tdec.nepa@tn.gov (Jennifer Hauser)  
tfeigenbaum@generationmpower.com (Ted Feigenbaum)  
tgado@roe.com (Burns & Roe)  
tholden@tnema.org (tim Holden)  
tim@eteba.org (Tim Griffin)  
timothy.beville@nuclear.energy.gov (Timothy Beville)  
tlwandell@msn.com (Tracy Wandell)  
TomClements329@cs.com (Tom Clements)  
tommy\_le2001@yahoo.com (Tommy Le)  
toni.ostrander@tn.gov (Toni Ostrander)  
tpouleknnox@aol.com (Tony Poule)  
trsmith@winston.com (Tyson Smith)  
ullrichjim@ntown.com (Jim Ullrich)  
Vanessa.quinn@dhs.gov (Vanessa Quinn)  
vinsonwr@gmail.com (Roger & Barbara Vinson)  
whorin@winston.com (W. Horin)

Clinch River Environmental Mailing List  
Williamray009@comcast.net (William Ray II & Donna Ray)  
wkbarry1@gmail.com (William Barry)  
wnl@naegeli.net (Wolf Naegeli)