

January 5, 2017

Mr. J. W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
1101 Marker Street, LP 1G-C
Chattanooga, TN 37402-2801

SUBJECT: ACCEPTANCE REVIEW RESULTS FOR AN EARLY SITE PERMIT
APPLICATION FOR CLINCH RIVER NUCLEAR SITE

Dear Mr. Shea:

By letter dated May 12, 2016, Tennessee Valley Authority (TVA) submitted an early site permit (ESP) application to the U.S. Nuclear Regulatory Commission (NRC) for the Clinch River Nuclear (CRN) Site located in Oak Ridge, Tennessee, in accordance with the requirements contained in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants," Subpart A, "Early Site Permits." By letter dated June 17, 2016, the staff acknowledged the receipt of the application and stated its intent to conduct an acceptance review, and a *Federal Register* (FR) Notice of availability of the application was published on June 23, 2016 (81 FR 40929). Consistent with subsequent clarification calls between TVA and NRC, and your letter dated August 11, 2016, TVA provided supplemental information by letters dated June 23, July 6, July 28, September 30, October 21, October 28, December 2, December 8, December 12 and December 15, 2016, in support of the application.

Consistent with the requirements of 10 CFR 2.101, "Filing of application," 10 CFR 52.16, "Contents of applications; general information," and 10 CFR 52.17, "Contents of applications; technical information," the NRC staff completed an acceptance review to determine if the ESP application for the CRN Site, as supplemented, contains sufficient technical information in scope and depth to allow the NRC staff to conduct its detailed technical review and complete it within a predictable timeframe. This letter informs you that the staff has determined that your application, as supplemented, is acceptable for docketing. The docket number for this application is 52-047.

The staff will be developing a full review schedule with public milestones, and NRC will send a schedule letter to you by April 4, 2017. As your application has been formally docketed, technical review of it has already been initiated.

During the detailed technical review of the application, the staff will utilize requests for additional information, site audits, and other similar processes to communicate with you in order to meet any information needs identified.

J.W. Shea

- 2 -

The enclosed notice of acceptance for docketing has been forwarded to the Office of the *Federal Register*. In accordance with the provisions of 10 CFR 2.104, a separate notice will be published regarding the opportunity to file a petition for leave to intervene in the hearing required for this application.

If you have any questions or comments concerning this matter, I can be reached at via email Allen.Fetter@nrc.gov, or telephone: 301-415-8556. My co-Project Manager for the safety review is Mallecia Sutton (Mallecia.Sutton@nrc.gov), 301-415-0673). Questions that are specific to the environmental review may be directed to Tamsen Dozier (Tamsen.Dozier@nrc.gov), 301-415-2272) or Patricia Vokoun (Patricia.Vokoun@nrc.gov), 301-415-3470).

Sincerely,

/RA/

Allen H. Fetter, Senior Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 52-047

Enclosure: As stated

cc: w/encl.: See next page

The enclosed notice of acceptance for docketing has been forwarded to the Office of the *Federal Register*. In accordance with the provisions of 10 CFR 2.104, a separate notice will be published regarding the opportunity to file a petition for leave to intervene in the hearing required for this application.

If you have any questions or comments concerning this matter, I can be reached at via email Allen.Fetter@nrc.gov, or telephone: 301-415-8556. My co-Project Manager for the safety review is Mallecia Sutton (Mallecia.Sutton@nrc.gov, 301-415-0673). Questions that are specific to the environmental review may be directed to Tamsen Dozier (Tamsen.Dozier@nrc.gov, 301-415-2272) or Patricia Vokoun (Patricia.Vokoun@nrc.gov, 301-415-3470).

Sincerely,

/RA/

Allen H. Fetter, Senior Project Manager
 Licensing Branch 3
 Division of New Reactor Licensing
 Office of New Reactors

Docket No.: 52-047

Enclosure: As stated

cc: w/encl.: See next page

DISTRIBUTION:

PUBLIC			
EPB R/F	AFetter, NRO	MSutton	TDozier, NRO
PVokoun, NRO	KErwin, NRO	MDudek, NRO	LBurkhardt, NRO
BHarvey, NRO	CCook, NRO	AWilson, OGC	AHove, OGC
RidsOgcMailCenter	RidsNroDnrl	RidsNroDsea	

ADAMS Accession Nos: ML16355A162 (LTR)
 ML16356A213 (FRN)
 ML16356A226 (PKG) *via email

NRO-002

OFFICE	NRO/DNRL/LB3:PM	NRO/DNRL/LB3:PM	NRO/DNRL/LB3:LA	NRO/DNRL/LB3:BC
NAME	TDozier/PVokoun	AFetter/MSutton	SGreen	JDonoghue
DATE	12/23/2016*	12/21/2016	12/20/2016*	01/03/2017
OFFICE	NRO/DSEA:DD	OGC	NRO/DNRL:DDD	NRO/DNRL:DD
NAME	SFlanders	AWilson/AHove	ABradford	FAkstulewicz
DATE	01/5/2017	12/22/2016*	01/03/2017	01/04/2017

OFFICIAL RECORD COPY

Clinch River Mailing List
cc:

(Revised 10/03/2016)

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

Mr. Robert E. Sweeney
IBEX ESI
4641 Montgomery Avenue
Suite 350
Bethesda, MD 20814

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

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

Mr. Dobie McArthur
Director, Washington Operations
General Atomics
1899 Pennsylvania Avenue, NW
Suite 300
Washington, DC 20006

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

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

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

Clinch River Mailing List

Email

Alan.Levin@areva.com (Alan Levin)
asi@ornl.gov (Anita Benn)
awc@nei.org (Anne W. Cottingham)
badwan@lanl.gov (Faris Badwan)
bevans@enercon.com (Bob Evans)
bruce.mcdowell@pnnl.gov (Bruce McDowell)
cee@nei.org
charles.bagnal@ge.com (Charles Bagnal)
chm3@aol.com (Clyde Morton)
collinlj@westinghouse.com (Leslie Collins)
cposlusny@babcock.com (Chester Poslusny)
curtisslaw@gmail.com (Jim Curtiss)
d.weaver@holtec.com (Doug Weaver)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
dlfulton@southernco.com (Dale Fulton)
don.tormey@iub.iowa.gov
dsafer@comcast.net (Don Safer)
ed.burns@earthlink.net (Ed Burns)
elyman@ucsusa.org (Ed Lyman)
erg-xl@cox.net (Eddie R. Grant)
ewallace@nuscalepower.com (Ed Wallace)
exa@nei.org (Ellen Anderson)
F.Shahrokhi@AREVA.Com (Farshid Shahrokhi)
frank.bodine@oca.iowa.gov (Frank Bodine)
gmorg50@hotmail.com (Garry Morgan)
hickste@earthlink.net (Thomas Hicks)
jahalfinger@babcock.com (Jeff Halfinger)
james1.beard@ge.com (James Beard)
jason.parker@pillsburylaw.com (Jason Parker)
jcsaldar@bechtel.com (James Saldarini)
jerald.head@ge.com (Jerald Head)
Jim.Kinsey@inl.gov (James Kinsey)
jim.sundermeyer@iub.iowa.gov
JNR@NuScalePower.com (Jose N. Reyes)
jrappe@nuscalepower.com (Jodi Rappe)
kerri.johannsen@iub.iowa.gov
klingscl@westinghouse.com (Charles Kling)
kouhestani@msn.com (Amir Kouhestani)

Clinch River Mailing List

KSutton@morganlewis.com (Kathryn M. Sutton)
Kwelter@NuScalePower.com (Kent Welter)
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)
lgorenflo@gmail.com (L. Gorenflo)
libby.jacobs@iub.iowa.gov
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@npva.net
martha.shields@nuclear.energy.gov (Martha Shields)
murawski@newsobserver.com (John Murawski)
nanako@wcore.com (Nanako Hisamichi)
parveen.baig@iub.iowa.gov
patriciaL.campbell@ge.com (Patricia L. Campbell)
Paul@beyondnuclear.org (Paul Gunter)
PLorenzini@NuScalePower.com (Paul Lorenzini)
poorewpiil@ornl.gov (Willis P. Poore III)
pshastings@generationmpower.com (Peter Hastings)
rbarrett@astminc.com (Richard Barrett)
ronald.polle@oca.iowa.gov
RSnuggerud@NuScalePower.com (Ross Snuggerud)
Sandra@sandrakgoss.com (Sandra Goss)
sara@cleanenergy.org (Sara Barczak)
sfrantz@morganlewis.com (Stephen P. Frantz)
shobbs@enercon.com (Sam Hobbs)
SiteDCC-mpower@babcock.com (Document Control)
smirsky@nuscalepower.com (Steve Mirsky)
smsloan@babcock.com (Sandra Sloan)
spellmandj@ornl.gov (Donald J. Spellman)
spope@nuscalepowr.com (Steve Pope)
stephan.moen@ge.com (Stephan Moen)
t.sensue@holtec.com (Terry Sensue)
tfeigenbaum@generationmpower.com (Ted Feigenbaum)
timothy.beville@nuclear.energy.gov (Timothy Beville)
TomClements329@cs.com (Tom Clements)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
whorin@winston.com (W. Horin)