



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

August 8, 2013

Ms. Anne E. Haaker
Deputy State Historic Preservation Officer
Preservation Services Division
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, Illinois 62701-1507

SUBJECT: BRAIDWOOD STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION
REVIEW

Dear Ms. Haaker:

The U.S. Nuclear Regulatory Commission (NRC) is conducting an environmental review of the effects of renewing the operating license for Braidwood Station, Units 1 and 2 (Braidwood). Braidwood is located in Will County, Illinois, approximately 145 miles northwest of Chicago, and 27 mile southwest of Rockford, Illinois. Please find a 50-mile site area map, a 6-mile site area map, and a site map of Braidwood enclosed. Braidwood is operated by Exelon Generation Company, LLC (Exelon). The application for renewal was submitted by Exelon in a letter dated May 29, 2013, pursuant to Title 10 of the Code of Federal Regulations Part 54 (10 CFR Part 54). Under NRC regulations, the original operating license for a nuclear power plant is issued for up to 40 years, and the license may be renewed for up to 20 years.

The NRC has established that, as part of the staff's review of any nuclear power plant license renewal application, a site-specific supplemental environmental impact statement (SEIS) to its "Generic Environmental Impact Statement for License Renewal of Nuclear Plants," NUREG-1437, will be prepared under 10 CFR Part 51, the NRC's regulation that implements the National Environment Policy Act of 1969, as amended (NEPA). Through this letter, the NRC is initiating consultation under Section 106 of the National Historic Preservation Act (NHPA) with the Illinois Historic Preservation Agency. In accordance with 36 CFR 800.8(c), the NRC will comply with the obligations required under Section 106 of the NHPA through its NEPA process. The final SEIS will include analyses of pertinent environmental issues, and in accordance with 36 CFR 800.8(c), analyses of potential impact to historic properties and other cultural resources.

In the context of NHPA, NRC staff has determined that the area of potential effects (APE) for a license renewal action is the area at the power plant site and its immediate environs that may be impacted by post-license renewal land-disturbing operations or projected refurbishment activities associated with the proposed action. The APE may extend beyond the immediate environs in those instances where post-license renewal land-disturbing operations or projected refurbishment activities specifically related to license renewal may potentially have an effect on known or proposed historic sites. This determination is made irrespective of ownership or control of the lands of interest.

A. Haaker

- 2 -

Please submit any comments that you may have on the scope of the environmental review by September 27, 2013. Written comments should be submitted by mail to:

Chief, Rules, Announcements, and Directives Branch
Division of Administrative Services
Office of Administration
Mailstop 3WFN 06A44M
U.S. Nuclear Regulatory Commission
Washington, DC 20555

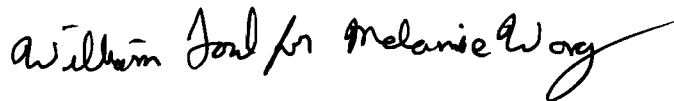
Electronic comments may be submitted to the NRC by accessing www.regulations.gov and searching for docket ID NRC-2013-0169.

The Braidwood license renewal application is available at:
<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/byron-braidwood.html>.

The NRC plans to hold two public environmental scoping meetings on August 21, 2013 at the Fossil Ridge Public Library, 386 W. Kennedy Road, Braidwood, IL 60408. The first meeting will convene at 2:00 pm and will continue until 4:00 pm, as necessary; the second meeting will convene at 7:00 pm and will continue until 9:00 pm, as necessary. The NRC expects to publish the draft SEIS in 2014. A copy of the document will be sent to you for your review and comment. After consideration of public comments received, the NRC will prepare a final SEIS, which is scheduled to be issued in 2015.

If you have any questions concerning the NRC's review of this license renewal application, please contact Emily Larson, social scientist, at 301-415-1151 or by e-mail at Emily.Larson@nrc.gov.

Sincerely,



Melanie C. Wong, Chief
Environmental Review and
Guidance Update Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-456 and 50-457

Enclosures:
As stated

cc w/encls: Listserv

A. Haaker

- 2 -

Please submit any comments that you may have on the scope of the environmental review by September 27, 2013. Written comments should be submitted by mail to:

Chief, Rules, Announcements, and Directives Branch
Division of Administrative Services
Office of Administration
Mailstop 3WFN 06A44M
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Electronic comments may be submitted to the NRC by accessing www.regulations.gov and searching for docket ID NRC-2013-0169.

The Braidwood license renewal application is available at:
<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/byron-braidwood.html>.

The NRC plans to hold two public environmental scoping meetings on August 21, 2013 at the Fossil Ridge Public Library, 386 W. Kennedy Road, Braidwood, IL 60408. The first meeting will convene at 2:00 pm and will continue until 4:00 pm, as necessary; the second meeting will convene at 7:00 pm and will continue until 9:00 pm, as necessary. The NRC expects to publish the draft SEIS in 2014. A copy of the document will be sent to you for your review and comment. After consideration of public comments received, the NRC will prepare a final SEIS, which is scheduled to be issued in 2015.

If you have any questions concerning the NRC's review of this license renewal application, please contact Emily Larson, social scientist, at 301-415-1151 or by e-mail at Emily.Larson@nrc.gov.

Sincerely,
/RA by William H. Ford for/
Melanie C. Wong, Chief
Environmental Review and
Guidance Update Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-456 and 50-457

Enclosures:
As stated

cc: Listserv
DISTRIBUTION: See next page

ADAMS Accession Nos: ML13191B121(PKG); ML13191B089, (LTR), ML13191A904 (ENC.)

OFFICE	LA:DLR:RPB2*	PM:DLR:RPB2	RERB Technical Staff Member	BC:DLR:RERB
NAME	IKing	TTran	ELarson	MWong <i>For W. Ford</i>
DATE	7/19/13	8/8/13	8/8/13	8/8/13

OFFICIAL RECORD COPY

Letter to A. Haaker from M. Wong date August 8, 2013

SUBJECT: BRAIDWOOD STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION
REVIEW

HARD COPY:

DLR RF

E-MAIL:

PUBLIC

RidsNrrDlr Resource

RidsNrrDlrRpb1 Resource

RidsNrrDlrRpb2 Resource

RidsNrrDlrRerb Resource

RidsNrrDlrRarb Resource

RidsNrrDlrRasb Resource

RidsNrrDlrRapb Resource

RidsNrrDlrRsg Resource

VMitlyng, RIII

PChandrathil, RIII

ABarker, RIII

HLogaras, RIII

EDuncan, RIII

RNg, RIII

TDaun, RIII

BBoston, RIII

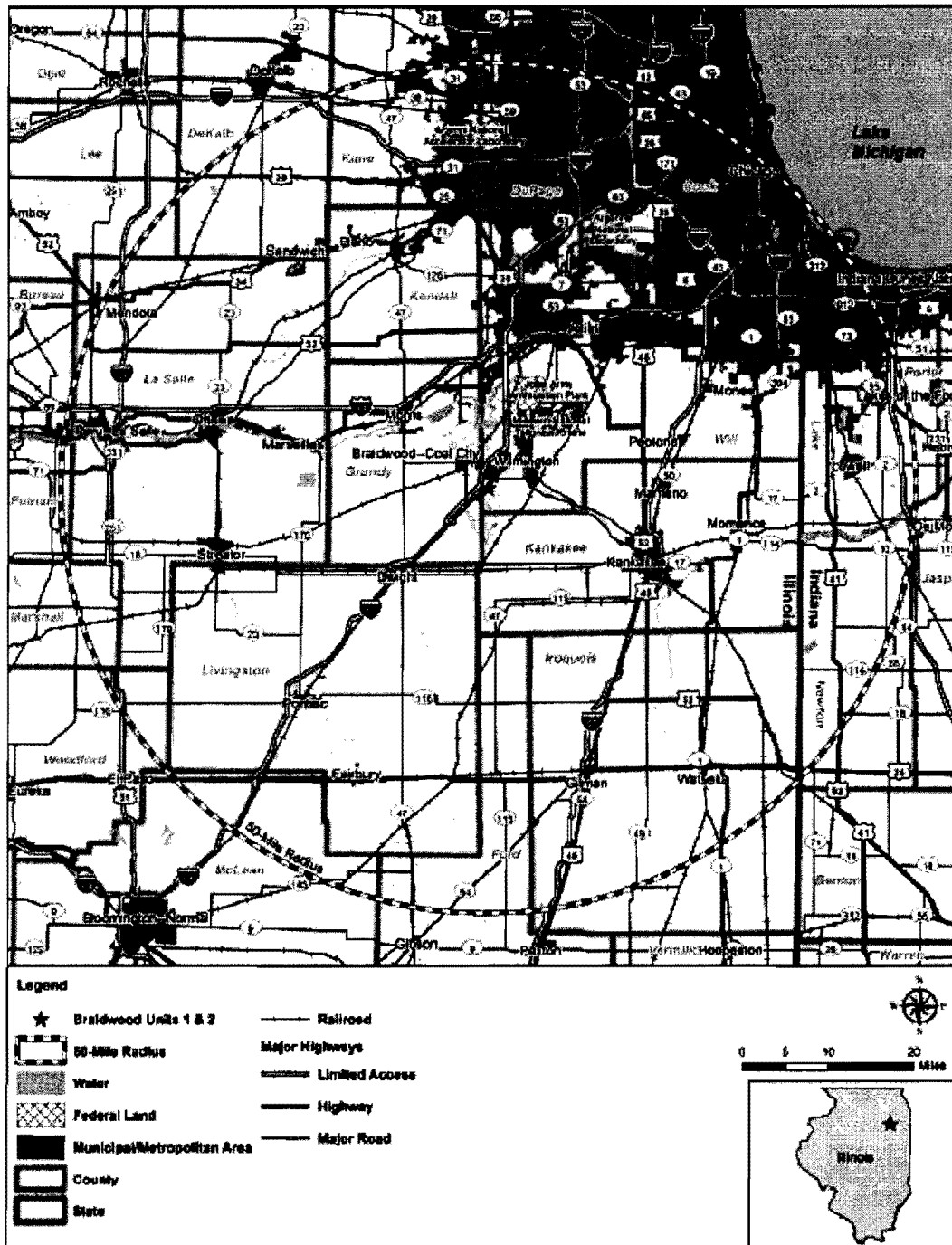
JMcGhee, RIII

JRobbins, RIII

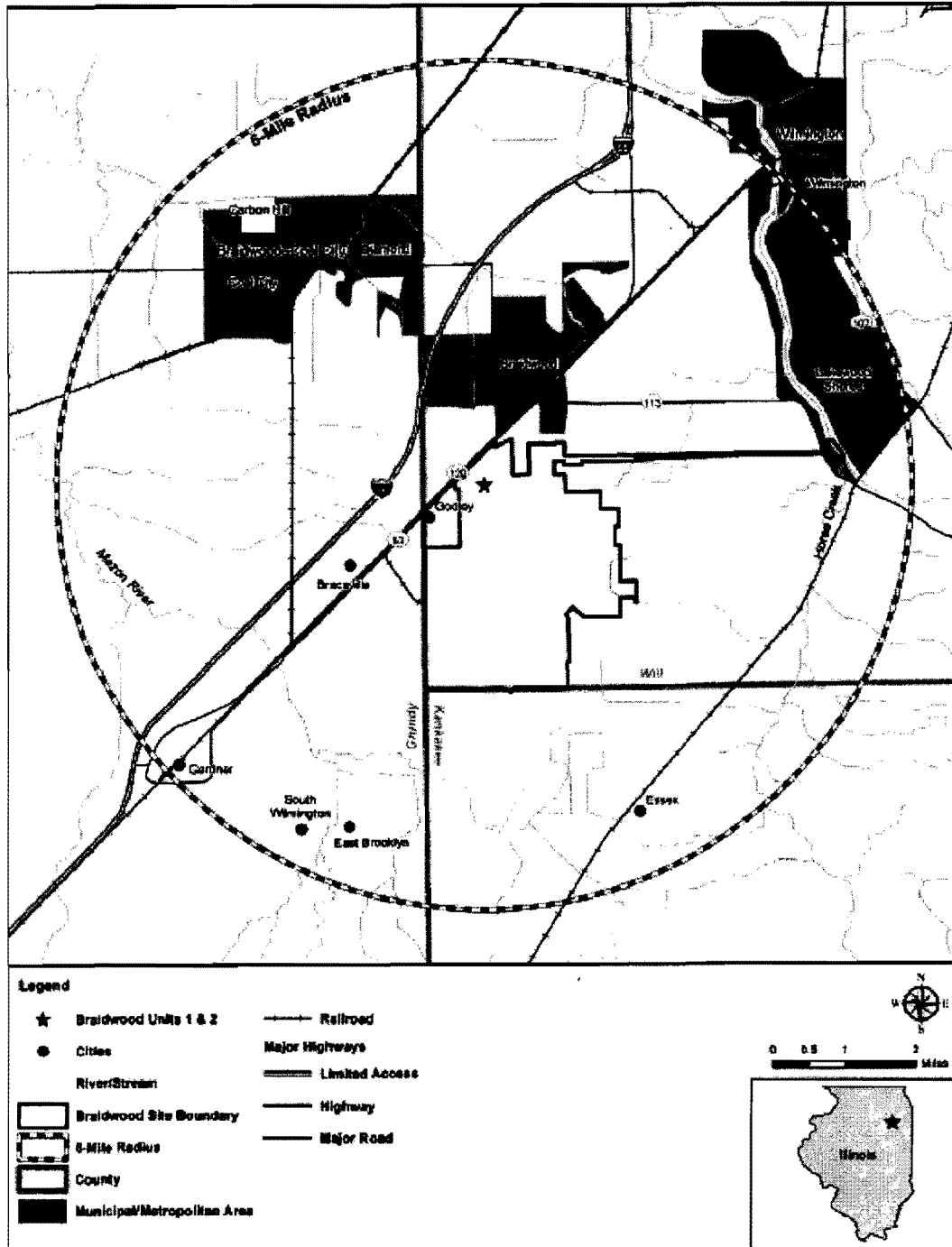
TRay, RIII

W(Billy) Dickson, RIII

Braidwood 50-Mile Radius Map



Braidwod Six Mile Radius Map



Braidwood Site Map

