



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

September 10, 2018

Ms. Andrea L. MacDonald  
Deputy State Historic Preservation Officer  
Pennsylvania Historical and Museum Commission  
State Historic Preservation Office  
Commonwealth Keystone Building, Second Floor  
400 North Street  
Harrisburg, PA 17120-0093

SUBJECT: REQUEST FOR SCOPING COMMENTS CONCERNING THE  
ENVIRONMENTAL REVIEW OF PEACH BOTTOM ATOMIC POWER STATION,  
UNITS 2 AND 3 SUBSEQUENT LICENSE RENEWAL APPLICATION

Dear Ms. MacDonald:

The U.S. Nuclear Regulatory Commission (NRC) is conducting a review of the environmental effects of renewing the operating licenses for Peach Bottom Atomic Power Station, Units 2 and 3 (PBAPS). Peach Bottom Atomic Power Station, Units 2 and 3 are operated by Exelon Generation Company, LLC (Exelon) and are located in Peach Bottom Township, York County (see Enclosure 1). Exelon submitted an application for the subsequent renewal of PBAPS operating licenses in a letter dated July 10, 2018, pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54).

The NRC has defined subsequent license renewal to be the period of extended operation from 60 years to 80 years. The Atomic Energy Act (AEA) of 1954, as amended, authorizes the NRC to issue 40-year initial licenses, and upon application and approval, renew licenses for nuclear power reactors. The NRC's regulations limit these renewals to 20-year increments. Approval of a renewed license is based on the outcome of a safety and environmental review. The NRC issued renewed PBAPS operating licenses in 2003; the current Unit 2 operating license expires on August 8, 2033, and the Unit 3 operating license expires on July 2, 2034. The requested renewals would extend the operating license expiration dates for Peach Bottom Atomic Power Station, Units 2 and 3, to August 8, 2053 and July 2, 2054, respectively.

As part of the NRC's license renewal review, a site-specific supplement to the "Generic Environmental Impact Statement for License Renewal of Nuclear Plants," NUREG-1437, is prepared in accordance with 10 CFR Part 51, the NRC's environmental protection regulations. These regulations also implement Section 102(2) of the National Environment Policy Act of 1969, as amended (NEPA). In accordance with 36 CFR 800.8(c), the NRC intends to comply with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), through the NEPA process. Accordingly, the NRC is inviting parties who may be interested in the proposed action to consult on this matter. The purpose of this letter is to initiate Section 106 consultation with the Pennsylvania State Historic Preservation Office under NHPA.

In the context of NHPA, the NRC has determined that the area of potential effects (APE) for this subsequent license renewal is the area at the power plant site and its immediate environs that may be impacted by ongoing routine maintenance and operational activities during the license renewal term (see Enclosure 2). The APE may extend beyond the immediate PBAPS environs if Exelon maintenance and operational activities affect offsite historic properties (see Enclosure 3). This determination is made irrespective of ownership or control of the lands of interest.

Peach Bottom, Unit 1 is located within the APE adjacent to PBAPS. Unit 1 was an experimental high temperature helium cooled and graphite-moderated reactor and operated from 1967 through 1974. According to Exelon, Unit 1 is being maintained and monitored in a condition that allows radioactivity to decay. Although Unit 1 is now over 50 years old, no survey has been conducted to determine its eligibility for listing in the National Register of Historic Places. While the proposed Federal undertaking (the renewal of PBAPS operating licenses) does not involve Peach Bottom, Unit 1, we would like to know whether an eligibility determination for Unit 1 should be conducted as part of the license renewal undertaking of PBAPS. Additionally, before the beginning of the subsequent license renewal term, PBAPS Units 2 and 3 will exceed 50 years of age. The NRC is considering when eligibility determinations should be made for these units. Possibilities include, 1) during this license renewal review (although PBAPS Units 2 and 3 have not exceeded 50 years of age), 2) at the first opportunity after the units exceed 50 years of age, or 3) after the units cease operation. Your input on this question would be appreciated.

The NRC plans to hold a public environmental scoping meeting on September 25, 2018, at the Peach Bottom Inn, 6085 Delta Road, Delta, PA 17314. The meeting will begin with an open house at 5:00 p.m., followed by an NRC staff presentation and opportunity to hear public comments at 6:00 p.m.

Please provide any comments that you may have on the scope of the environmental review by October 10, 2018. Written comments should be submitted by mail to:

May Ma, Director  
Program Management, Announcements and Editing Branch  
Office of Administration  
Mail Stop: TWFN-7A60M  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Electronic comments may be submitted to the NRC by accessing [www.regulations.gov](http://www.regulations.gov) and searching for Docket ID NRC-2018-0130.

The NRC accepted the PBAPS subsequent license renewal application for review on August 27, 2018. The application is available through the web-based version of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible at <http://www.nrc.gov/readingrm/adams.html>. The environmental report portion of the application is listed under ADAMS Accession No. ML18193A689. The NRC expects to publish a draft Supplemental Environmental Impact Statement in July 2019. The NRC will forward the draft supplement to you for your review and comment. This draft supplement will include identification of historic properties, assessment of impacts, and our preliminary determination. After consideration of public comments received, the NRC will prepare a final supplement, which is scheduled to be issued in January 2020.

If you have any questions concerning the NRC's license renewal review, please contact Nancy Martinez, Physical Scientist, at 301-415-2719 or by e-mail at [Nancy.Martinez@nrc.gov](mailto:Nancy.Martinez@nrc.gov).

Sincerely,

**/RA/**

Benjamin Beasley, Chief  
Environmental Review and NEPA Branch  
Division of Materials and License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosures:

1. Area Map, 50-mile radius
2. PBAPS Site Area Map
3. Area Map, 6-mile radius

cc: Listserv

SUBJECT: REQUEST FOR SCOPING COMMENTS CONCERNING THE  
ENVIRONMENTAL REVIEW OF PEACH BOTTOM ATOMIC POWER STATION  
UNITS 2 AND 3 SUBSEQUENT LICENSE RENEWAL APPLICATION DATED  
SEPTEMBER 10, 2018.

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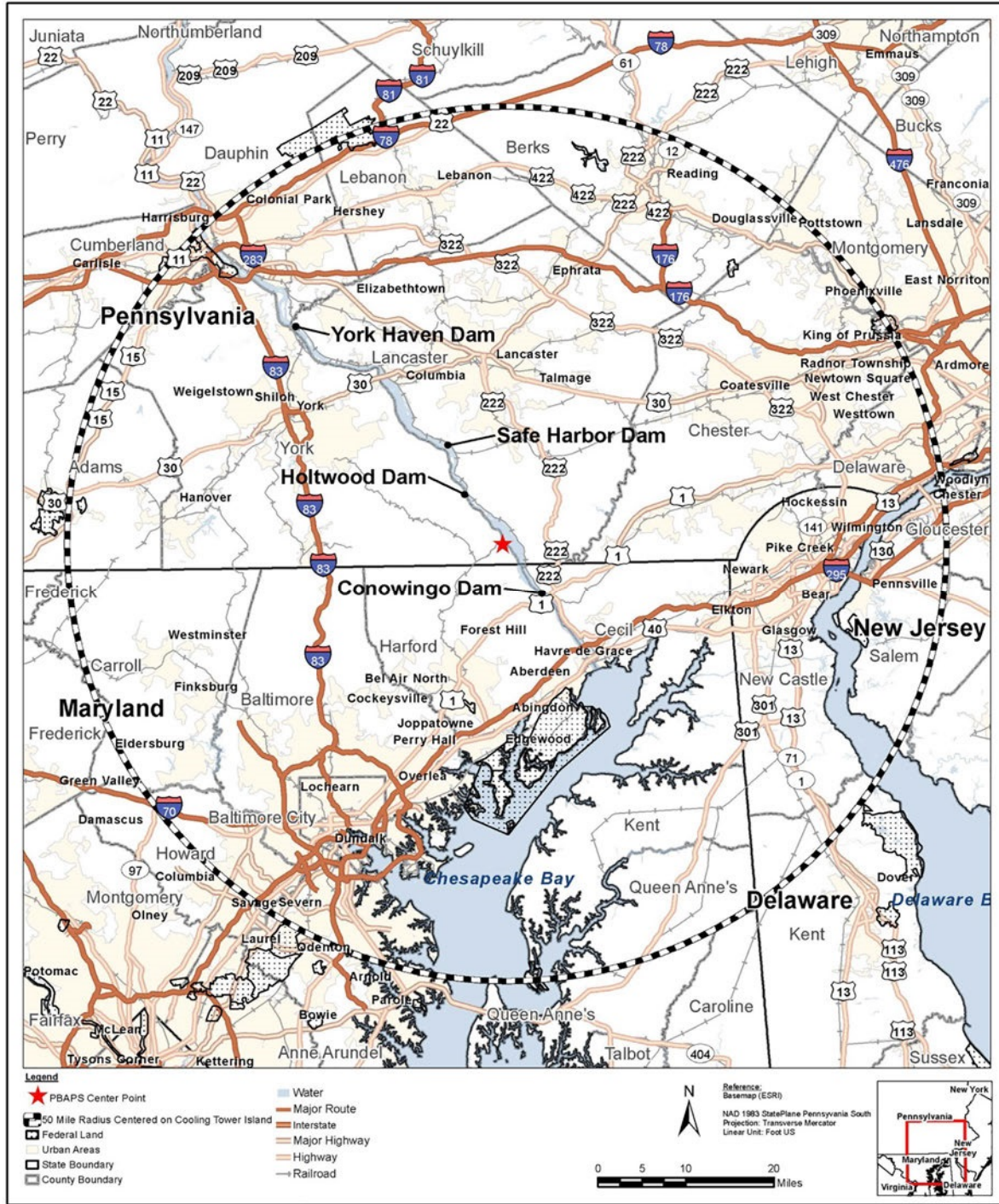
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**ADAMS Accession No: ML18243A454****\*concurred via email**

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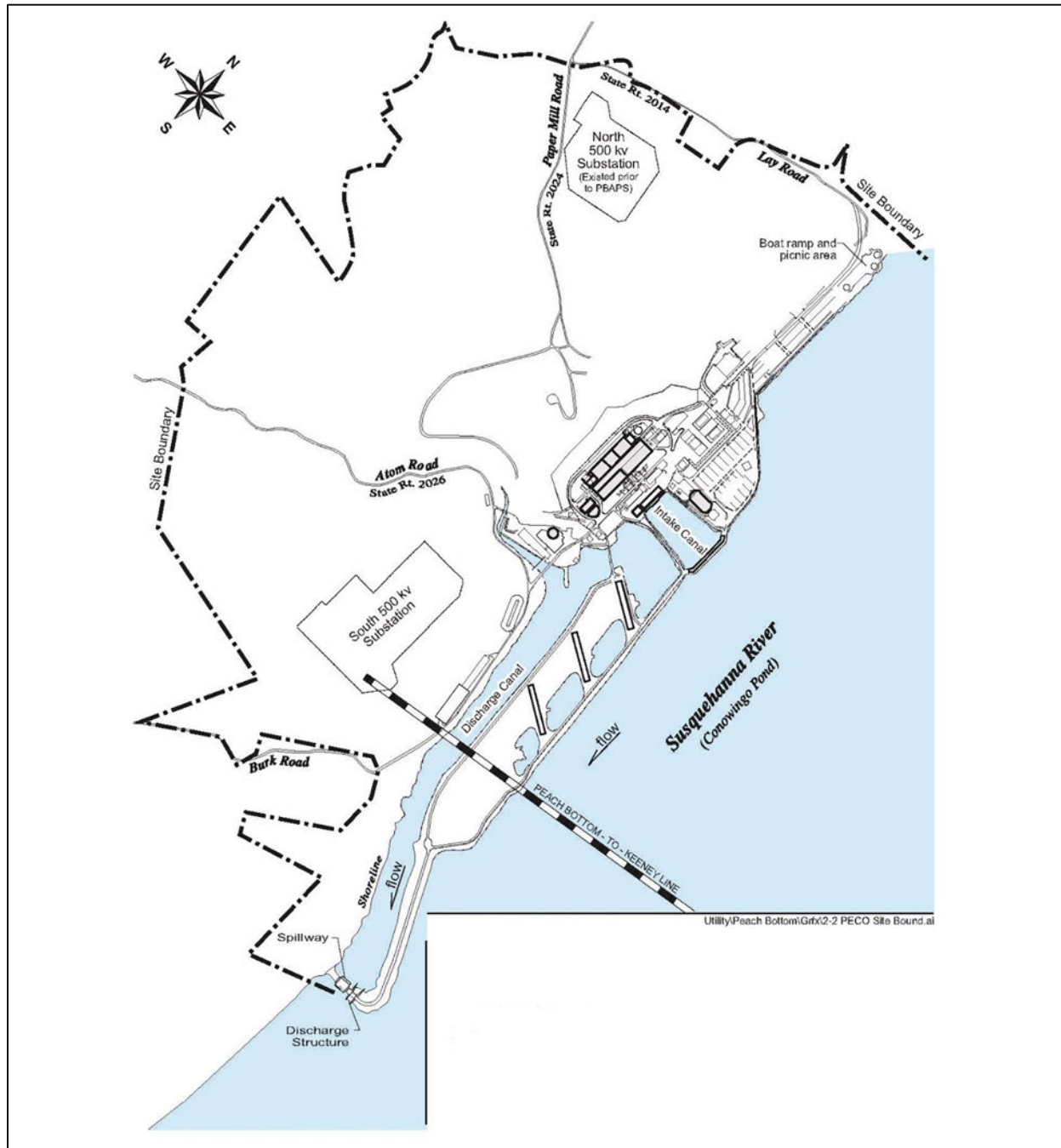
## Area Map, 50-mile radius



**Source: PBAPS  
Environmental Report**

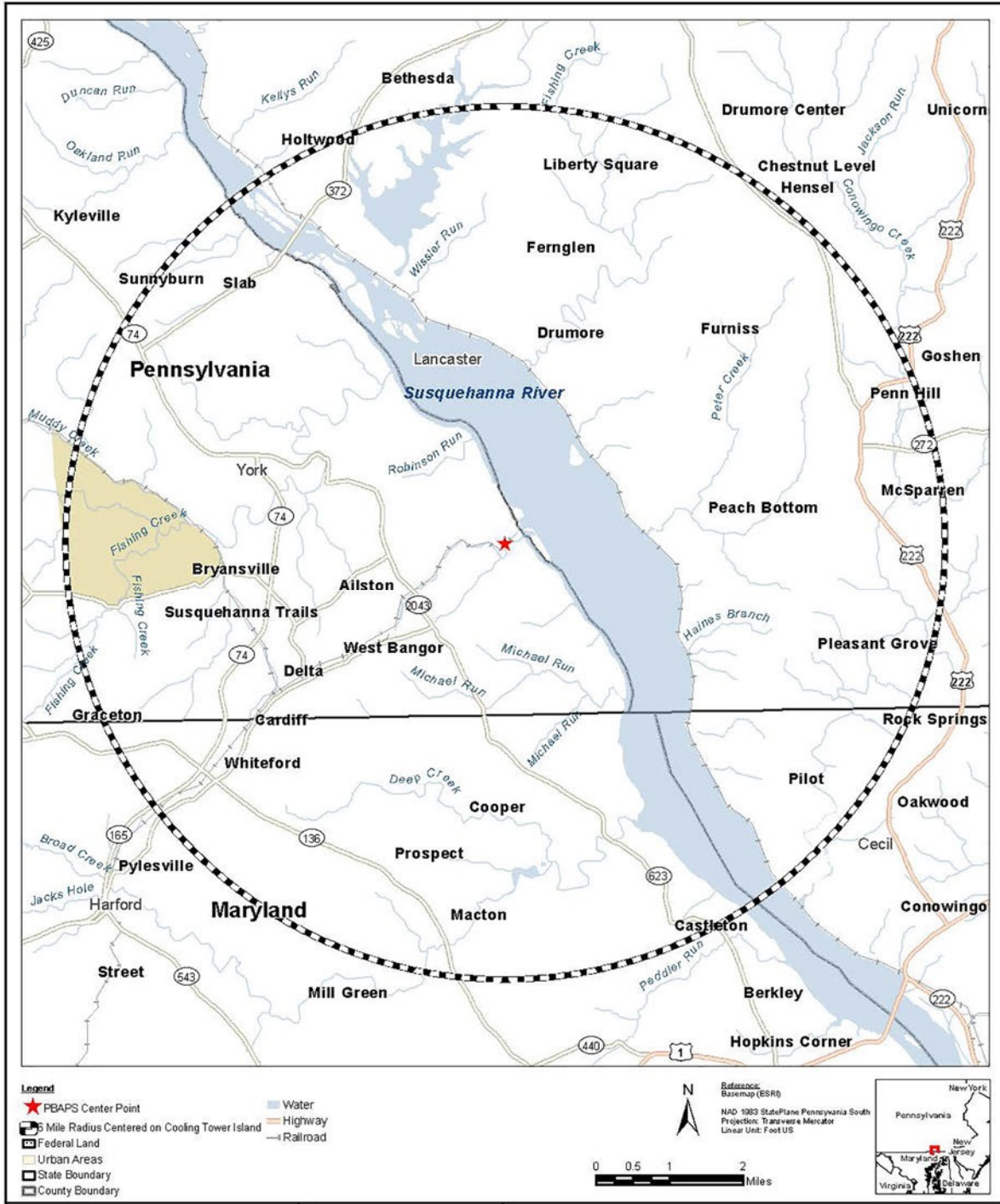


## PBAPS Site Area Map



**Source:** PBAPS  
Environmental Report

## Area Map, 6-mile radius



Source: PBAPS  
Environmental Report