

LimerickNPEm Resource

From: Perkins, Leslie
Sent: Friday, March 23, 2012 11:11 AM
To: Nancy.Ranek@exeloncorp.com
Subject: Feb 23 Telecon Summary
Attachments: Feb 23 Telecon Summary.docx

Follow Up Flag: Follow up
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Nancy,

Attached is the draft Telecon Summary for the Feb 23rd conference call. Please look it over. Let me know if I captured anything incorrectly. If you could provide feed by early next week, it would be appreciated

Thanks,

Leslie Perkins
Project Manager
Division of License Renewal
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-2375

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Created By: Leslie.Perkins@nrc.gov

Recipients:

"Nancy.Ranek@exeloncorp.com" <Nancy.Ranek@exeloncorp.com>
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LICENSEE: Exelon Generation Company, LLC

FACILITY: Limerick Generating Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON FEBRUARY 23, 2012 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND EXELON GENERATION COMPANY, LLC, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE LIMERICK GENERATING STATION, LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Exelon Generation Company, LLC held a telephone conference call on February 23, 2012, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Limerick Generating Station, license renewal application. The telephone conference call was useful in clarifying the intent of the staff's RAIs.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAIs discussed with the applicant, including a brief description on the status of the items.

The applicant had an opportunity to comment on this summary.

Leslie Perkins
License Renewal Branch, RPB2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Numbers: 50-352 and 50-353

Enclosures:

As Stated

cc w/encls: See next page

LICENSEE: Exelon Generation Company, LLC

FACILITY: Limerick Generating Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON FEBRUARY 23, 2012 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND EXELON GENERATION COMPANY, LLC, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE LIMERICK GENERATING STATION, LICENSE RENEWAL APPLICATION

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TELEPHONE CONFERENCE CALL
LIMERICK GENERATING STATION
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
FEBRUARY 23, 2012

PARTICIPANTS

Leslie Perkins
Michelle Moser
Briana Balsam
Kevin Folk
Ann Miracle
James Becker
Nancy Ranek
Chris Willson
Al Fulvio
Robert Tarr

AFFILIATIONS

U.S. Nuclear Regulatory Commission (NRC)
NRC
NRC
NRC
Pacific Northwest National Laboratory(PNNL)
PNNL
Exelon Generation Company, LLC. (Exelon)
Exelon
Exelon
Exelon

REQUESTS FOR ADDITIONAL INFORMATION

LICENSE RENEWAL APPLICATION FEBRUARY 23, 2012

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Exelon Generation Company, LLC held a telephone conference call on February 23, 2012, to discuss and clarify the following requests for additional information (RAIs) concerning the license renewal application (LRA).

Aquatic Ecology

1. Possum Hollow Creek is downstream of the LGS power block. Provide any sampling or monitoring reports for aquatic species and benthos from Possum Hollow Creek.
2. LGS withdraws cooling water from the Schuylkill River at the Schuylkill River pumphouse. The through screen intake velocity can influence impingement rates. Describe the through screen intake velocity for the Schuylkill River pumphouse.

Discussion: *The applicant requested that the staff confirm that the staff was requesting a write-up of the verbal descriptions of screen intake velocity for the Schuylkill River, as provided by URS at the Surface Water Hydrology Interview during the environmental audit. The staff confirmed that they were requesting a write-up of the verbal description provided during the Environmental Audit.*

3. Provide a description of screen clearing and maintenance activities and frequency at the Schuylkill Pumphouse, the Perkiomen Pumphouse and Point Pleasant Pumping Station.

Discussion: *The applicant stated the Exelon does not own or operate the Point Pleasant Pumping Station and the does not conduct the activities of screen clearing and maintenance at that facility. The applicant requested that the NRC clarify that the staff expects Exelon to provide requested information for Point Pleasant Pumping. The staff understood that Exelon did not own or operate the Point Pleasant Pumping Station and clarified that the staff would like Exelon to provide requested information for Point Pleasant Pumping Station if the information was available. The staff agreed to revise the RAI for clarity. The RAI was revised as follows:*

Provide a description of screen clearing and maintenance activities and frequency at the Schuylkill Pumphouse and the Perkiomen Pumphouse, which are owned and operated by Exelon. If available, provide a description of the screen clearing and maintenance activities and frequency at the Point Pleasant Pumping Station, which is not owned by Exelon

4. Zebra mussels are a non-native species that may occur within the waterbodies from which LGS withdraws. Describe zebra mussel monitoring and surveys efforts and discuss whether LGS staff has identified zebra mussels in any of the water bodies associated with the makeup water system of LGS.

Discussion: *The applicant did not have any questions regarding Items 1 and 4.*

**References Requested for Docketing at the
Limerick Generating Station Environmental Site Audit**
November 7-10, 2011

Meteorology and Air Quality	
A.	Title V Operating Permit, TVOP-46-00038, Issued December 7, 2009 and Revised February 17, 2010.
B.	Title V Compliance Certification Reports (2006-2010)
Aquatic Ecology	
A.	NAI (Normandeau Associates, Inc.). 2010a. East Branch Perkiomen Creek Aquatic Biology Assessment XIII, 2008 Monitoring Period. Prepared for Exelon Nuclear, Limerick Generating Station. May.
B.	NAI (Normandeau Associates, Inc.). 2010b. East Branch Perkiomen Creek Aquatic Biology Assessment XIV, 2009 Monitoring Period. Prepared for Exelon Nuclear, Limerick Generating Station. July.
C.	NAI (Normandeau Associates, Inc.). 2010c. Fish and Benthic Macroinvertebrate Community Composition in the Schuylkill River in the Vicinity of Limerick Generating Station During 2009. February 2010.
D.	NAI (Normandeau Associates, Inc.). 2010d. Letter from Normandeau Associates, Inc. to Exelon Nuclear via email. Zebra mussel/Asiatic clam Survey. November. PECO (Philadelphia Electric Company). 1984. Environmental Report – Operating License Stage. Limerick Generating Station Units 1&2. 5 vols.
E.	RMC (RMC Environmental Services). 1984. Progress Report, Non-Radiological Environmental Monitoring for Limerick Generating Station 1979-1983. Prepared for Philadelphia Electric Company. October.
F.	RMC (RMC Environmental Services). 1985. Progress Report, Non-Radiological Environmental Monitoring for Limerick Generating Station 1984. Prepared for Philadelphia Electric Company. December.
G.	RMC (RMC Environmental Services). 1986. Progress Report, Non-Radiological Environmental Monitoring for Limerick Generating Station 1985. Prepared for Philadelphia Electric Company. September.
H.	RMC (RMC Environmental Services). 1987. Progress Report, Non-Radiological Environmental Monitoring for Limerick Generating Station 1986. Prepared for Philadelphia Electric Company. November.
I.	RMC (RMC Environmental Services). 1988. Progress Report, Non-Radiological Environmental Monitoring for Limerick Generating Station 1987. Prepared for Philadelphia Electric Company. September.
J.	RMC (RMC Environmental Services). 1989. Progress Report, Non-Radiological Environmental Monitoring for Limerick Generating Station 1988. Prepared for Philadelphia Electric Company. December.
K.	Describe any aquatic surveys conducted at the Bradshaw Reservoir, the Wadesville Mine Pool and discharge channel, Bedminster Water Processing Facility, and the Still Creek Reservoir. For example, submit for docketing the response to information need (AQ-2 from the Audit Information Needs).
L.	Describe the frequency that water is withdrawn from the Schuylkill River compared to other sources. For example, submit for docketing the response to information need (AQ-3 from the Audit Information Needs).
M.	Describe the intake velocity, traveling screens, and any other operational procedures or structural designs that limits impingement and entrainment at the Point Pleasant Pumping Station on the Delaware River or at the pumping stations on the Bradshaw Reservoir, Still

Creek Reservoir, or Wadesville Mine Pool. For example, submit for docketing the response to information need (AQ-5 from the Audit Information Needs).
N. Describe any impingement or entrainment studies conducted at the Schuylkill Pumphouse, Perkiomen Pumphouse, or at the intakes on the Delaware River. For example, submit for docketing the response to information need (AQ-6 from the Audit Information Needs).
O. Describe the extent of a thermal plume as a result of discharges to the Schuylkill River. For example, submit for docketing the response to information need (AQ-7 from the Audit Information Needs).
P. In the ER, LGS stated that three species of concern were identified in the Pennsylvania Natural Diversity Index (PNDI) search for LGS license renewal. However, it was unclear which three species LGS identified and where the species would occur on the LGS site and at the Bradshaw Reservoir. Please state these species (AQ-8 from the Audit Information Needs).
Q. In addition, discuss the potential location of the three PNDI species of concern on the LGS site and at the Bradshaw Reservoir and Pumphouse, as discussed on Page 2-44 of the ER (AQ-8 from the Audit Information Needs).
Hydrology
A. Submit the last 5-years of monthly records for site groundwater production at all four site supply wells with outage periods identified.
B. 2006 Hydrogeologic Investigations Report.
C. Provide a summary of the results of groundwater monitoring performed for tritium, strontium-90, and gamma-emitting radionuclides since 2006 (i.e., groundwater protection program reports).
D. NPDES permit renewal application for PA0051926 (minus Appendix A and B) and the administrative completeness letter received from PA DEP..
Archaeological and Cultural Resources
A. Submit the references called out in Section 2.10 of the ER for archaeological surveys and the architectural and historical analysis of the Fricks Lock Historic District (CR-2 from the Audit Information Needs). Docketing should follow guidelines from NRC regarding sensitive cultural resources location information. When submitting cultural resources information, do not include maps or coordinates of site location information.
B. Submit the 1983 letter from the SHPO/PHMC. This letter contains the SHPO findings regarding the determination of impacts to cultural resources from construction and operation of T-lines (CR-3 from the Audit Information Needs). Docketing should follow guidelines from NRC regarding sensitive cultural resources location information. When submitting cultural resources information, do not include maps or coordinates of site location information.
C. Submit the list and description of the type of cultural resources that occur on the LGS site as a result of the CRGIS query (CR-4 from the Audit Information Needs). Docketing should follow guidelines from NRC regarding sensitive cultural resources location information. When submitting cultural resources information, do not include maps or coordinates of site location information.
D. Submit a summary of the cultural resources management plan to NRC. This summary should contain the table of contents, a brief overview, and a description of how and when the management plan will be implemented (CR-7 from the Audit Information Needs). Docketing should follow guidelines from NRC regarding sensitive cultural resources location information. When submitting cultural resources information, do not include maps or coordinates of site location information.
Terrestrial Ecology

A. Biodiversity Evaluation of Possum Hollow Run (completed under the direction of Exelon's Environmental Stewardship Committee).
B. Blye, R. 1973. Relative Abundance of Bird Species During Migration.
C. Exelon. 1979-1983. Limerick Generating Station Non-radiological Environmental Report.
D. Exelon. 1984. Limerick Generating Station Non-radiological Environmental Report.
E. Exelon. 1985. Limerick Generating Station Non-radiological Environmental Report.
F. Exelon. 1986. Limerick Generating Station Non-radiological Environmental Report.
G. Exelon Generation. 2010. Limerick Generating Station Wildlife Management Plan. LGS-R-086.
H. Wildlife Habitat Council (WHC). 2006. Site Assessment and Wildlife Management Opportunities. 100 pp. LGS-R-278.
I. In relation to reference WHC (2006) above, please provide the following for the indicated Wildlife at Work Projects: <ul style="list-style-type: none"> a. Bird and bat project summary sheets, including location maps, data sheets, and notes b. Frog project summary sheet c. Documented Environmental Evaluation Walkdown/Assessment (for frog fence replacement) (Report AR 01183399)
J. Submit for docketing the text responses to site audit information needs TE-1, TE-2, TE-3, TE-4, TE-5, TE-6, TE-7, TE-8, and TE-9. These information needs can be found in NRC's Environmental Audit Needs List dated November 4, 2011 (ML11286A330).

Discussion: *The applicant requested that the NRC confirm that for Hydrology Item D in the table of request for documents that the staff is requesting Exelon to provide NPDES permit renewal application with a copy of Appendix C but not copies of Appendix A and B. The staff clarified that Exelon did not need to provide a copy of the appendix C. The Hydrology Item D in table of requested documents was revised as follows:*

NPDES permit renewal application for PA0051926 (minus Appendices A, B, and C) and the administrative completeness letter received for PA DEP.

Discussion: *The applicant requested that the NRC clarify whether the staff is requesting only excerpts provided at the Audit, or the entire reports for Terrestrial Ecology Items C, D, E, and F in the table of request for documents. The staff clarified that staff is requesting only the excerpts provided at the Audit.*

SUBJECT: Summary of Telephone Conference Call conducted on February 23, 2012

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