July 17, 2009

MEMORANDUM TO: Joseph Colaccino, Chief
EPR Projects Branch (NARP)
Division of New Reactor Licensing
Office of New Reactors

FROM: Michael A. Canova, Project Manager **/RA/**
EPR Projects Branch (NARP)
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: AUDIT PLAN TO REVIEW SUPPORTING TECHNICAL INFORMATION RELATED TO CHAPTER 2 OF THE BELL BEND NUCLEAR POWER PLANT COMBINED LICENSE APPLICATION FINAL SAFETY ANALYSIS REPORT (FSAR) REGARDING METEOROLOGY

By letter dated February 27, 2009, PPL Bell Bend, LLC submitted to the U.S. Nuclear Regulatory Commission (NRC) Revision one (1) of its application for a combined license (COL) for a single unit of the U.S. EPR design 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."

The purpose of this audit is to review the siting of the existing meteorological tower(s) at the Susquehanna Steam Electric Station, the documentation associated with its data collection methods and equipment, their adequacy to provide the data being utilized to support the results and conclusions made in the Bell Bend application regarding meteorology, and the siting of the proposed meteorological tower to be located at the Bell Bend Nuclear Plant site.

CONTACT: Michael A. Canova, NRO/DNRL
301-415-0737

LEAD AUDITOR: Michael D. Mazaika, NRO/DSER
301-415-6282

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Docket No. 52-039
Enclosure: Audit Plan

DISTRIBUTION:
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ADAMS Accession Number: ML091890011 **NRO-002**

OFFICE	PM: DNRL/NARP	LA: DNRL/NARP	TR: DSER/RSAC	BC:DSER/RSAC	BC: DNRL/NARP
NAME	MCanova	JMcLellan	MMazaika*	CLauron*	JColaccino
DATE	07/14/2009	07/14/09	07/14/2009	07/15/2009	07/17/2009

*** With corrections** **OFFICIAL RECORD COPY**

AUDIT PLAN TO REVIEW SUPPORTING TECHNICAL INFORMATION RELATED TO CHAPTER 2 OF THE BELL BEND NUCLEAR POWER PLANT COMBINED LICENSE APPLICATION

APPLICANT:	PPL Bell Bend, LLC
APPLICANT CONTACT:	Rocco R. Sgarro
TIME:	8:00 a.m. to 4:30 p.m. 7/21/2009, 7/22/2009
LOCATION:	Bell Bend Site Office - 38 Bomboy La, Berwick, PA 18603 Susquehanna Steam Electric Station U.S. Route 11 7 miles NE of Berwick, PA
Audit Team:	Michael Mazaika, Lead Auditor Michael Braden, Audit Support Michael Canova, Licensing support Ross Powers, Administrative support

BACKGROUND

By letter dated February 27, 2009, PPL Bell Bend, LLC submitted to the U.S. Nuclear Regulatory Commission (NRC) Revision one (1) of its application for a combined license (COL) for a single unit of the U.S. EPR in accordance with the requirements contained in Title 10 of the *Code of Federal Regulations*, Part 52 (10 CFR 52), "Licenses, Certifications, and Approvals for Nuclear Power Plants." The BBNPP COL application (COLA) incorporates by reference the U.S. EPR Design Certification (DC) Final Safety Analysis Report (FSAR) submitted by AREVA NP as Revision 1.

This Regulatory Audit is to examine and evaluate un-docketed technical, procedural, and process information related to the Meteorological information content provided in the applicant's COLA Part 2, FSAR Chapter 2. The intent is to gain understanding and verify information as well as identify information that may warrant docketing to support the basis of a licensing decision. An audit is needed to identify information required to support evaluation of the safety significance of information related to the applicant's COLA under 10 CFR 52.

PURPOSE

This audit will review the data collection methods and equipment along with their sufficiency to provide the data being utilized to support the results and conclusions made in the Bell Bend application regarding meteorology.

AUDIT ACTIVITIES AND SCHEDULE

A detailed agenda for the audit is presented on Enclosure 1. A list of requested documentation, subject matter support and facilities access requested to be made available for inspection is described in Enclosure 2.

DELIVERABLES

- An Audit Report that addresses the specific requirements identified in the information Needs List including the resolution of the issues or identification of the necessary next activities required to address issue resolution.

- Identification of any specific materials that require docketing in support of a safety determination.

- Identification of specific materials for reference (procedures/processes) that provide confirmatory support of applicant-provided information.

AGENDA

REGULATORY AUDIT TO REVIEW SUPPORTING TECHNICAL INFORMATION RELATED TO CHAPTER 2 OF THE BELL BEND NUCLEAR POWER PLANT COMBINED LICENSE APPLICATION

PPL Bell Bend, LLC., 38 Bomboy Lane, Berwick, PA

07/20/2009	Travel to Site Monday p.m.
07/21/2009	**Day 1**
08:00 a.m.	Site Orientation Briefing by PPL
09:00 a.m.	Visit to Susquehanna Steam Electric Station for Inspection of Primary Meteorological Tower Site and Surrounding Area (SME required)
10:30 a.m.	Inspection of Back-up and Downriver Meteorological Tower Sites
11:30 a.m.	Tour of Susquehanna Property to Assess Topologic Influences on Tower Data
1:00 p.m.	Visit to Proposed Bell Bend Meteorological Tower Site and Surrounding Property
2:00 p.m.	Return to TBD Location to Begin Review of Met Monitoring (Operation, Maintenance, Calibration, Data Processing) Documentation (SME required briefly to start)
4:30 p.m.	End First Day (No findings discussions)
07/22/2009	**Day 2**
08:00 a.m.	Talking Points Discussion Related to Audit Information Needs (SME's required)
10:00 a.m.	Continue Documentation Review
2:00 p.m.	Return Visit to Primary Meteorological Tower
3:30 p.m.	Complete Audit Activities
4:00 p.m.	Audit Exit Discussion
07/23/2009	Return to Headquarters in a.m.

ENCLOSURE 1