

October 15, 2009

Mr. Rocco R. Sgarro, Manager  
Nuclear Regulatory Affairs  
PPL Bell Bend, LLC  
38 Bomboy Lane, Suite 2  
Berwick, PA 18603

SUBJECT: SUMMARY OF TELECONFERENCES TO DISCUSS RESPONSES TO  
REQUESTS FOR ADDITIONAL INFORMATION REGARDING THE  
ENVIRONMENTAL REVIEW OF THE COMBINED LICENSE APPLICATION  
FOR BELL BEND NUCLEAR POWER PLANT

Dear Mr. Sgarro:

The U.S. Nuclear Regulatory Commission (NRC) staff generated requests for additional information (RAIs) from its review of the Bell Bend Nuclear Power Plant (BBNPP) combined license (COL) application environmental report and information conveyed during the site audit held in Wilkes-Barre, Pennsylvania, during the week of April 27, 2009. These RAIs, generated by NRC staff and the U.S. Army Corps of Engineers (USACE), have been provided to PPL Bell Bend, LLC (PPL) as enclosures to a letter dated July 10, 2009 (ML091620600).

The purpose of this letter is to provide a summary of teleconference discussions held with PPL, which clarified information requested in RAIs or provided in responses to RAIs. These discussions were used to discuss information presented at the site audit, convey project status updates, and to clarify responses to the initial round of RAIs. The result of these calls assisted NRC staff in resolving outstanding issues with the existing RAIs. Additionally, PPL agreed to supplement several RAI responses after discussions with NRC staff (see summary of calls on July 21 regarding RAI H5.3-1 part 3, August 11 regarding Figure 2.7-55 of the COL Environmental Report, August 18 regarding RAI AE 5.3-1, and September 8 regarding several RAI responses). The discussions are summarized in Enclosure 1 of this letter. If you have questions or require additional information, I can be reached at 301-415-2462 or by email at [Stacey.lmboden@nrc.gov](mailto:Stacey.lmboden@nrc.gov)

R. Sgarro

- 2 -

If you have questions or require additional information, I can be reached at 301-415-2462 or by email at [Stacey.Imboden@nrc.gov](mailto:Stacey.Imboden@nrc.gov).

Sincerely,

Stacey Imboden, Senior Project Manager/**RA**/  
Environmental Projects Branch 3  
Division of Site and Environmental Reviews  
Office of New Reactors

Docket No: 52-039

Enclosure: As stated

cc w/Enclosure: See next page

R. Sgarro

- 2 -

If you have questions or require additional information, I can be reached at 301-415-2462 or by email at [Stacey.Imboden@nrc.gov](mailto:Stacey.Imboden@nrc.gov).

Sincerely,

Stacey Imboden, Senior Project Manager/**RA**/  
Environmental Projects Branch 3  
Division of Site and Environmental Reviews  
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MMcBride, NRO

TClark, NRO

MMazaika, NRO

MHart, NRO

AElliott, USACE (Amy.Elliott@usace.army.mil)

[Bruce.McDowell@pnl.gov](mailto:Bruce.McDowell@pnl.gov)

[Kimberly.Leigh@pnl.gov](mailto:Kimberly.Leigh@pnl.gov)

**ADAMS ACCESSION NUMBER: ML092580084**

OFFICE	LA:RAP3 DSER:NRO	PM:RAP3 DSER:NRO	OGC w/NLO*	BC:RAP3 DSER:NRO
NAME	EHylton	SImboden	RWeisman	RSchaaf
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## **Teleconference Summaries with PPL Bell Bend COL environmental review**

### July 21, 2009 (Hydrology)

During this conference call, PPL and consultants asked for clarifying information on RAI H5.3-1. Additionally, NRC requested PPL to submit the Philadelphia U.S. Army Corps of Engineers data on cross-sections of the Susquehanna River as sent by letter from Minas Arabatzis to Ed Buchak dated April 1, 2008. This request is tied to RAI H5.3-1 part 3.

NRC staff discussed the possibility of EIS schedule delays if certain RAIs were not answered within the 30-day timeframe. These RAIs involve wetlands issues (wetlands avoidance and approval to build in Exceptional Value wetlands), revised criteria for the alternate site evaluation, and low flow augmentation alternatives for water withdrawal from the Susquehanna River.

#### Attendees

NRC: Stacey Imboden, Tomeka Terry

PNNL: Bruce McDowell

Numark: Richard Codell

PPL: R. Sgarro

Unistar: F. Perdomo

AREVA: R. Williamson

### August 4, 2009 (Alternatives)

During this conference call, the applicant outlined the preliminary results of a revised alternate site ranking process. The applicant indicated that 4 alternative sites were identified using revised ranking criteria consistent with the Calvert Cliffs alternate site review, and that the Sandy Bend and Martins Creek sites were no longer being considered candidate sites. There was no submittal date identified for the revised alternate site ranking report or the corresponding Environmental Report sections on alternatives.

#### Attendees

NRC: Stacey Imboden, Nancy Kuntzleman, Peyton Doub, Tomeka Terry

PNNL: Bruce McDowell, Kimberly Leigh, Robin Durham, Tom Anderson

PPL: R. Sgarro, J. Fields

UniStar: D. Lutchenkov, F. Perdomo, K. Beecher, D. Klinch

AREVA: R. Bonisolli, K. Voelsing, M. Gymerck

### August 11, 2009

During this conference call, participants discussed confirmatory calculations for meteorology wind joint frequency distributions and apparent inconsistencies with Figure 2.7-55 of the COL Environmental Report. The applicant also identified the discrepancy and agreed to modify the figure in response to meteorology RAIs.

The applicant discussed potential site layout changes to reduce wetlands impacts. The applicant does not yet have a submittal date for this information and the corresponding Environmental Report revision, but indicated this site layout change would be part of the Army Corps RAI responses.

Attendees

NRC: Stacey Imboden, Tomeka Terry  
PNNL: Bruce McDowell, Kimberly Leigh, Jeremy Rishel  
USACE: Amy Elliott  
PPL: R. Sgarro, J. Fields  
UniStar: F. Perdomo, K. Beecher  
AREVA: R. Bonisoli, K. Voelsing

August 18, 2009 (Socioeconomics, Aquatic Ecology, Meteorology, General)

During this conference call, PPL asked questions about specific RAIs. For each RAI discussed, PPL requested NRC staff further clarify the RAI. NRC staff asked for clarifying information in the response to RAI AE 5.3-1, specifically, the volume of maintenance dredging material. PPL agreed to revise the response to RAI AE 5.3-1 to include this information.

Attendees

NRC: Stacey Imboden, Nancy Kuntzleman, Dan Mussatti, Michael Purdie  
PNNL: Bruce McDowell, Kimberly Leigh, Jeremy Rishel  
PPL: R. Sgarro, J. Fields  
UniStar: K. Beecher, J. Rogers

August 25, 2009 (Radiological Human Health)

During this conference call, the applicant asked for clarifying information about specific RAIs. NRC staff further clarified RAI RHH 4.5-3 by sending an email to PPL with the publicly available PADEP 2004 TLD and SSES 2004 TLD data mentioned in the RAI (ML092470515). Separately, the applicant discussed plans to submit the revised alternate site ranking report on September 4 or 8. The corresponding Environmental Report sections on alternatives will be submitted a few weeks later. The alternative site ranking report will be available in the Electronic Reading Room, so NRC staff can review the report and work on the information needs table for an alternative site visit tentatively planned for October 27-29, 2009.

Attendees

NRC: Tomeka Terry  
PNNL: Bruce McDowell, Kimberly Leigh, Tim Lynch  
PPL: R. Sgarro, J. Fields  
UniStar: K. Beecher, D. Lutchenkov

September 1, 2009

During this conference call, NRC staff and the applicant discussed schedules for submittals. The applicant discussed plans to submit a revised site layout to minimize wetlands impacts, and a revision to the COL application within the next few months.

Attendees

NRC: Stacey Imboden, Tomeka Terry  
PNNL: Bruce McDowell, Kimberly Leigh  
PPL: R. Sgarro, J. Fields  
UniStar: K. Beecher, F. Perdomo

September 8, 2009

During this conference call, NRC staff asked for clarification on specific RAI responses. The RAIs discussed were ACC7.1-1, ACC7.2-2, ACC7.2-5, ACC7.2-6, CR2.5-1, CR2.5-2, CR 2.5-3, CR 2.5-4, CR 2.5-5, CR 2.5-6, H9.4-1, H9.4-2, RHH 4.5-1, SE2.5-5, TE2.4-1. The applicant agreed to supplement RAI responses to ACC 7.2-2 (reflect units in table), ACC 7.2-5, H 9.4-1 (Alternative intakes), H 9.4-2 (Alternative discharges), RHH 4.5-1 (files), SE 2.5-5 (email on Bullet F apartments). The rest of the RAI responses discussed were clarified by the applicant during the conference call.

Attendees

NRC: Stacey Imboden, Tomeka Terry, Joe Giacinto, Jennifer Davis, Theresa Clark

PNNL: Bruce McDowell, Kimberly Leigh, Tim Lynch, Patrick Balducci, Robin Durham

Numark: Adrian Miron, Dick Codell

USACE: Amy Elliott

PPL: R. Sgarro, J. Fields

UniStar: Kim Beecher, Federico Perdomo, Paul Goldstein

S&L: Robert Hameetman, Maury Pressburger, Steve Taylor, Dan Kocunik, Richard Pospiech

AREVA: Bob Bonisolli, Jen Butler, Vincent Cordoliani, Cindy Fasano, Dave Gerlits, Peter

Gluckler, Barbara Hubbard, Rebecca Knott, Tony Lentz, Stan Levinson, Adam Mancini, Pedro

Perez, Mark Strum, Dave Sullivan, Bill Syzmczak, Kelli Voelsing, Rick Williamson

ALION: Paul Jacobson, Leslie Kirchler, Bob Mickler, Greg Poremba

GAI Consultants: Barbara Munford, Ben Resnick

COL - Bell Bend Mailing List  
cc:

(Revised 7/28/2009)

Mr. Richard L. Baker  
Bechtel Power Corporation  
5275 Westview Drive  
Frederick, MD 21703-8306

Ms. Michele Boyd  
Legislative Director  
Energy Program  
Public Citizens Critical Mass Energy  
and Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Ms. Kristen A. Burger  
Maryland People's Counsel  
6 St. Paul Centre  
Suite 2102  
Baltimore, MD 21202-1631

Kerry Holton, Tribal President  
Delaware Nation  
P. O. Box 825  
Anadarko, OK 73005

Mr. Carey Fleming, Esquire  
Senior Counsel - Nuclear Generation  
Constellation Generation Group, LLC  
750 East Pratt Street, 17th Floor  
Baltimore, MD 21202

Mr. Ray Ganthner  
Senior Vice President  
AREVA, NP, Inc. 3315  
Old Forest Road  
P.O. Box 10935  
Lynchburg, VA 24506-0935

Terry L. Harpster  
GM-Site Development & Design  
PPL Nuclear Development LLC  
38 Bomboy Lane, Suite 2  
Berwick, PA 18603

Mr. Clifford Farides  
Mill Memorial Public Library  
495 E Main Street  
Nanticoke, PA 18634

Ms. Karen Walsh  
614 N. Front Street  
Harrisburg, PA 17101

Mr. Max Furek  
57 Jeanette Street  
Mocanaqua, PA 18655

Mr. Brian Hastings  
Public Utility Commission  
William B. Travis Building  
P.O. Box 13326  
1701 North Congress Avenue  
Austin, TX 78701-3326

Mr. Roy Hickok  
NRC Technical Training Center  
5700 Brainerd Road  
Chattanooga, TN 37411-4017

Mr. Norris McDonald  
President  
AAEA  
9903 Caltor Lane  
Ft. Washington, MD 20744

Mr. Charles Peterson  
Pillsbury, Winthrop, Shaw & Pittman, LLP  
2300 "N" Street, NW  
Washington, DC 20037

Regional Administrator  
Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Mr. Leroy Hess  
124 Hess Road  
Wapwallopen, PA 18660

Ms. Amy Elliott  
US Army Corps of Engineers – Baltimore Dist  
1631 So Atherton St, Suite 102  
State College, PA 16801

Mr. Rich Miller  
McBride Memorial Library  
500 N Market Street  
Berwick, PA 18603

Mr. Malcolm S. Plevyak  
1446 Salem Blvd.  
Berwick, PA 18603

Mr. Jack Wirbicki  
212 Deer Run Drive  
Mountaintop, PA 18707

Ms. Carla Alber  
7844 Blue Ridge Trail  
Mountaintop, PA 18707

Ms. Emily McBracken  
494 Mingle Inn Road  
Berwick, PA 18603

Mr. Herbert Harmon  
32 Stone Church Road  
Berwick, PA 18603

Mr. Chuck Henry  
1051 Scotch Valley Dr.  
Bloomsburg, PA 17815

Mr. John Zadigaka  
205 Magtzville Rd  
Berwick, PA 18603

Mr. David J. Allard  
Director and State Liaison Officer  
Department of Environmental Protection  
Bureau of Radiation Protection  
Rachel Carson State Office Building  
400 Market Street  
Harrisburg, PA 17101

Mr. Rich Janati, M.S., Chief  
Division of Nuclear Safety  
Administrator, Appalachian Compact Commission  
Rachel Carson State Office Building  
400 Market Street  
Harrisburg, PA 17101

Mr. Don Klima, Director  
Office of Federal Agency Programs  
Advisory Council on Historic Preservation  
Old Post Office Building  
1100 Pennsylvania Avenue, NW, Suite 809  
Washington, DC 20004

Douglas C. McLearn, Chief  
Division of Archaeology & Protection  
Pennsylvania Historical & Museum Commission  
Bureau for Historic Preservation  
Commonwealth Keystone Building, 2<sup>nd</sup> Floor  
400 North Street  
Harrisburg, PA 17120-0093

The Honorable Glenna Wallace, Chief  
Eastern Shawnee Tribe of Oklahoma  
P. O. Box 350  
Seneca, MO 64865

The Honorable Raymond Halbritter, Nation Rep.  
Oneida Indian Nation  
5218 Patrick Road  
Verona, NY 13478

The Honorable Rick Hill, Chairman  
Oneida Nation of Wisconsin  
P. O. Box 365  
Oneida, WI 54155-0365

Karen Kaniatobe, THPO  
Absentee-Shawnee Tribe of Oklahoma  
2025 S. Gordon Cooper  
Shawnee, OK 74801

Clint Halftown, Heron Clan  
Representative  
Cayuga Nation  
P.O. Box 11  
Versailles, NY 14168

Mr. James R. Leigey  
Pennsylvania Game Commission  
2001 Elmerton Avenue  
Harrisburg, PA 17110-9797

Mr. Chris Urban  
Pennsylvania Fish and Boat Commission  
450 Robinson Lane  
Bellefonte, PA 16823

Mr. Herb Lord  
Data Review Specialist  
Natural Heritage Program  
P.O. Box 404  
22 South Clinton Avenue  
Trenton, NJ 08625-0404

Ms. Patricia A. Kurkul  
Northeast Regional Administrator  
NOAA National Marine Fisheries Service  
Northeast Regional Office  
55 Great Republic Drive  
Gloucester, MA 01930-2298



Mr. David Densmore  
Supervisor  
U.S. Fish and Wildlife Service  
Pennsylvania Field Office  
315 South Allen Street, Suite 322  
State College, PA 16801-4850

Mr. Eric Davis  
Project Leader  
New Jersey Field Office  
U.S. Fish and Wildlife Service  
927 North Main Street  
Heritage Square, Building D  
Pleasantville, NJ 08232

Mr. Maurice A. John, President  
Seneca Nation of Indians  
P. O. Box 231  
Salamanca, NY 14779

The Honorable LeRoy Howard, Chief  
Seneca-Cayuga Tribe of Oklahoma  
P. O. Box 1283  
Miami, OK 74355

The Honorable Ron Sparkman, Chairman  
Shawnee Tribe  
29 South 69a Highway  
Miami OK 74354

Mr. Robert Chicks, Tribal Chairman  
Stockbridge-Munsee Band of the  
Mohican Nation, Wisconsin  
Route 1  
P.O. Box 70  
Bowler, WI 54416

Mr. Tony Gonyea, Faithkeeper  
Onondaga Nation  
Rd 11a Box 245  
Nedrow, NY 13120

Jim Stout, President  
Berwick Historical Society  
102 East Second Street  
Berwick, PA 18603-4827

The Honorable Leo Henry, Chief  
2006 Mt. Hope Road  
Tuscarora Nation  
Via Lewiston, NY 14092

The Honorable Roger Hill, Chief  
Tonawanda Seneca Nation  
7027 Meadville Road  
Basom, NY 14013

The Honorable James Ransom, Chief  
St. Regis Mohawk Tribe  
412 State Route 37  
Akwesasne, NY 13655

## **Email**

APH@NEI.org (Adrian Heymer)  
awc@nei.org (Anne W. Cottingham)  
bennettS2@bv.com (Steve A. Bennett)  
bob.brown@ge.com (Robert E. Brown)  
BrinkmCB@westinghouse.com (Charles Brinkman)  
carey.fleming@constellation.com (Carey Fleming)  
chris.maslak@ge.com (Chris Maslak)  
cwaltman@roe.com (C. Waltman)  
[dasuper@verizon.net](mailto:dasuper@verizon.net) (Dave Superdock)  
david.lewis@pillsburylaw.com (David Lewis)  
ecullington@earthlink.net (E. Cullington)  
greshaja@westinghouse.com (James Gresham)  
gzinke@entergy.com (George Alan Zinke)  
jgutierrez@morganlewis.com (Jay M. Gutierrez)  
jim.riccio@wdc.greenpeace.org (James Riccio)  
JJNesrsta@cpsenergy.com (James J. Nesrsta)  
John.O'Neill@pillsburylaw.com (John O'Neill)  
Joseph\_Hegner@dom.com (Joseph Hegner)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
ktscopelliti@pplweb.com (Karen Scopelliti)  
kwaugh@impact-net.org (Kenneth O. Waugh)  
[lchandler@morganlewis.com](mailto:lchandler@morganlewis.com) (Larry Chandler)  
lois@ieer.org (Lois Chalmers)  
Marc.Brooks@dhs.gov (Marc Brooks)  
maria.webb@pillsburylaw.com (Maria Webb)  
mark.beaumont@wsms.com (Mark Beaumont)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
media@nei.org (Scott Peterson)  
mike\_moran@fpl.com (Mike Moran)  
MSF@nei.org (Marvin Fertel)  
nirsnet@nirs.org (Michael Mariotte)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
paul.gaukler@pillsburylaw.com (Paul Gaukler)  
Paul@beyondnuclear.org (Paul Gunter)  
phinnen@entergy.com (Paul Hinnenkamp)  
pshastings@duke-energy.com (Peter Hastings)  
RJB@NEI.org (Russell Bell)  
RKTemple@cpsenergy.com (R.K. Temple)  
rrsgarro@pplweb.com (Rocco Sgarro)  
sandra.sloan@areva.com (Sandra Sloan)  
[signs@bellessigns.com](mailto:signs@bellessigns.com) (Ryan Search)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
tkkibler@scana.com (Tria Kibler)  
tlharpster@pplweb.com (Terry Harpster)  
trsmith@winston.com (Tyson Smith)  
Vanessa.quinn@dhs.gov (Vanessa Quinn)  
VictorB@bv.com (Bill Victor)  
Wanda.K.Marshall@dom.com (Wanda K. Marshall)  
[executive\\_director@berwickymca.org](mailto:executive_director@berwickymca.org) (Nick Pajovich)  
[dbogard@evenlink.com](mailto:dbogard@evenlink.com) (Deborah Bogard)  
[kpetock@curtisswright.com](mailto:kpetock@curtisswright.com) (Kelly Petock)  
[Dzampogna@srbc.net](mailto:Dzampogna@srbc.net) (Damian M. Zampogna)  
[rmpaley@pplweb.com](mailto:rmpaley@pplweb.com) (Robert M. Paley)  
[TomPopko@hotmail.com](mailto:TomPopko@hotmail.com) (Tom Popko)

[ecology3@gmail.com](mailto:ecology3@gmail.com) (Ted Jacobsen)  
[vincekelly@gmail.com](mailto:vincekelly@gmail.com) (Vince Kelly)  
[ruppert125@aol.com](mailto:ruppert125@aol.com) (Greg Ruppert)  
[NATE@NathanSnavelly.com](mailto:NATE@NathanSnavelly.com) (Nate Snavelly)  
[dsimpson@bloomu.edu](mailto:dsimpson@bloomu.edu) (David Simpson)  
[tmpiquet@bloomu.edu](mailto:tmpiquet@bloomu.edu) (Tina Piquet)  
[eschloyer@yahoo.com](mailto:eschloyer@yahoo.com) (Erin Schloyer)  
[bbusher@state.Pa.us](mailto:bbusher@state.Pa.us) (Brian Busher)  
[wilburdennisjr@hotmail.com](mailto:wilburdennisjr@hotmail.com) (Wilbur Dennis Jr)  
[kcarey960@gmail.com](mailto:kcarey960@gmail.com) (Kyle Carey)  
[clombard@pa.metrocast.net](mailto:clombard@pa.metrocast.net) (Cynthia Lombard)  
[chebrink@localnet.com](mailto:chebrink@localnet.com) (Reverend Chad A. Hebrink)  
[terrimeighan@msn.com](mailto:terrimeighan@msn.com) (James E. Meighan)  
[rgpollock1@yahoo.com](mailto:rgpollock1@yahoo.com) (Ralph Pollock)  
[kaysm@verizon.net](mailto:kaysm@verizon.net) (Catherin Stuccio Mentrinkoski)  
[jh14ferrari@aol.com](mailto:jh14ferrari@aol.com) (John Heim)  
[djallard@state.pa.us](mailto:djallard@state.pa.us) (Dave Allard)