

August 21, 2013

MEMORANDUM TO: Samuel S. Lee, Chief
Environmental Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Laura M. Quinn-Willingham, Project Manager **/RA/**
Environmental Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: TRIP REPORT: SITE VISIT REGARDING THE INDIANA BAT
SUMMER SURVEY PLAN FOR THE PROPOSED BELL BEND
NUCLEAR POWER PLANT SITE

On May 8, 2013, the U.S. Nuclear Regulatory Commission (NRC) held a site visit held at the Bell Bend Nuclear Power Plant site, near Berwick, Pennsylvania. Enclosure 1 provides a summary of the site visit. The purpose of the site visit was to work with the U.S. Fish and Wildlife Service to finalize the Indiana Bat Summer Survey Plan in order for the applicant, PPL Bell Bend, LLC, to begin surveys in May or June 2013. The data collected in the survey will be used by the NRC and the U.S. Army Corps of Engineers to support the biological assessment for the project as required by the Endangered Species Act. Enclosure 2 contains the agenda for the site visit; Enclosure 3 contains an attendance sheet from the site visit; Enclosure 4 contains a revised survey locations map that reflected the changes discussed at the beginning of the site visit; and Enclosure 5 contains a revised survey locations map that reflected the changes that were discussed during the site visit.

Docket No. 52-039

Enclosures:
As stated

CONTACT: Laura M. Quinn-Willingham, NRO/DNRL
(301) 415-2220

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(301) 415-2220

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RidsNroDser	RidsNroDnrl	RidsNroDserRenv	EPB2 R/F
LQuinn-Willingham, NRO	TTerry, NRO	MCanova, NRO	MWright, OGC
LGoldin, OGC	MBrown, NRO	RidsNroDnrlEpb2	RidsNroDnrlEpb1
NKuntzleman, NRO	PDoub, NRO	PKallan, NRO	RidsOgcMailCenter
BMcDowell, PNNL (Bruce.McDowell@pnnl.gov)		KLeigh, PNNL (Kim.Leigh@pnnl.gov)	
JBecker, PNNL (James.Becker@pnnl.gov)		AElliot, Corps (Amy.H.Elliott@usace.army.mil)	

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ML13169A163 (package) *see previous concurrence

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NAME	LQuinn-Willingham*	MBrown*	NKuntzleman*	MWright (KRoach for)	SLee (AFetter for)
DATE	7/11/2013	7/11/2013	8/01/2013	8/09/2013	8/21/2013

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Bell Bend Nuclear Power Plant Combined License Application
Site Visit regarding the Indiana Bat Summer Survey Plan

May 8, 2013

Background

On August 30, 2012, PPL Bell Bend, LL (PPL) submitted the “Indiana Bat Biological Evaluation and Management Plan for the Bell Bend Nuclear Power Plant Project, Revision 0,” dated August 2012 (BEMP) (ML122690324) to the U.S. Nuclear Regulatory Commission (NRC), U.S. Fish and Wildlife Service (FWS), and the U.S. Army Corps of Engineers (Corps), among other agencies, in response to NRC draft requests for additional information (RAI) sent on August 13, 2012 (ML12227A385). The NRC sent the final RAIs on September 6, 2012, (ML12250A865, ML12250A892, ML12250B186, and ML12250B187) to complete the record.

On November 8, 2012, the NRC held a teleconference call with the FWS and the Corps, to discuss the revised BEMP. During this call the NRC, Corps, and FWS discussed the previous surveys for the Indiana Bat. The previous surveys were only good for five years, and therefore; new surveys were needed, as the previous surveys were five years old as of the summer 2012. The NRC indicated that the applicant intended to do the surveys in the summer of 2013, but needed feedback from FWS on the BEMP to inform the survey plan.

The NRC, FWS, and Corps discussed FWS’s responses to the NRC’s questions that were sent prior to the November 8, 2012, teleconference call (ML12341A346). FWS took as an action item to follow-up on fragmentation calculations in the BEMP. This action was initiated to ensure that FWS agreed with the process and the conclusion in the BEMP. Also during this call, the NRC and Corps requested that the FWS review the entire revised BEMP and provide their comments/concerns to assist the NRC and the Corps in developing the biological assessment (BA). The FWS sent the requested information in a letter dated March 29, 2013 (ML13101A284). This information was used by PPL to develop a survey plan for the Indiana Bat and was submitted for review to the NRC, Corps, and FWS on April 10, 2013 (ML13109A074). A site visit was suggested by the NRC in order to finalize the survey plan so surveys could commence in the summer of 2013. A site visit was held on May 8, 2013, to discuss and adjust any mist net survey locations, determine the next steps and action items, and discuss the consultation process and timing.

Attendees

See Enclosure 2.

Site Visit Observations

The site visit started with introductions and a safety briefing. PPL discussed what revisions they did to address the newly issued guidelines for Indiana Bat surveys.¹ This included the addition of two sites to meet the new guidelines, which would result in a minimum of 12 survey sites. Then the survey locations were discussed in detail and it was indicated that two sites (Sites 4

¹ See Enclosure 4 for the revised map that was provided by PPL at the beginning of the site visit.

and 9) were under consideration for relocation to more appropriate locations. The team then went out to the field to each individual site for observation and discussion.

For Site 1, the mist nets would be located by the pond near the Susquehanna River along the left tree line when facing the river and also over the pond in the current transmission line corridor located on the most southern point of the project boundary and south of Highway 11. There is a railroad track at this location right along the Susquehanna River just south of the survey site. This site would be in the area of disturbance which would be used as a construction laydown area and would be a permanent loss area due to grading impact.

Site 2 is located on the same transmission corridor but on the north side of Route 11 and the mist nets were adjusted after discussion during the site visit by a few hundred feet. The new survey site will be located on the left tree line when facing the operating units in the corridor. This site is at the northern edge of the same construction laydown area within the area of disturbance and would be within the same permanent grading impact area as site 1.

Site 3 is located north-northeast of the southernmost point of Walker Run within the project boundary and the mist net location would be where unnamed tributary number 1 meets the southern tree line with possibly another net over Farm Pond. This site is near the edge of the area of disturbance and would be temporarily impacted by the new unit, as there are no permanent structures to be located at this site. The nuclear unit would be located a few hundred yards north of this site. At the site visit, this site was slightly adjusted and moved a few hundred feet to the north-northeast.

It was discussed at the site visit that PPL planned to adjust the location of Site 4. The survey site is located at a permanent parking lot and the survey location was moved to the west, therefore the new survey site would be in the south and center of the parking lot. This is the location of permanent loss area.

Site 5 was also moved slightly after discussions at the site visit and the new site will be at the unnamed pond 2 location along a tree line that is about 200 yards north from the location of the new meteorological tower location. This site is also within the area of disturbance for the project and would be the location of the new meteorological tower, construction office, and warehouse. The pond and some surrounding tree line would remain after construction at this site.

Site 6 is on the eastern side of the project boundary near the location of the concrete batch plant and would be a permanent loss area, because it would be the location of permanent fill for the project. Currently this location has a tree line that surrounds agricultural fields. The mist net location was moved slightly to the south of the previous proposed location after discussions at the site visit.

Site 7 is located in the Susquehanna Riverlands Recreation Area along canal 1 and the road that goes to the environmental lab. The mist nets location was moved slightly, after observations during the site visit, and will be set up along the tree line (across the road) and also over the canal. This site is located outside of the area of disturbance and is near temporary impacts of the project associated with the construction of the intake pipeline.

Site 8 is located along North Market Street where the road intersects Walker Run. The mist nets will be over Walker Run in the pool areas, which are surrounded by trees. This site is

outside the area of disturbance and is to the east of the proposed location of the new unit's power block.

Site 9 is located in the area of disturbance north-northeast of the proposed new unit's power block and this area would be a permanent loss area, because it is the location of the proposed unit's cooling towers. After observations at the site visit, the mist nests were moved to the southeast to be located over unnamed tributary no. 1.

Site 10 was moved after discussions at the site visit to a location adjacent to the "teardrop" wetland on the northwest side of the forested wetland area. The wetland location had several exfoliating trees and would most likely provide a better location than the original site 10 location. This site is in the area of disturbance and is located near the location for the essential Service Water Emergency Makeup System (ESWEMS) retention pond. The area will be temporarily impacted and will be adjacent to permanent facility structures.

Site 11 was at the location of the proposed new switchyard, but would require the closure of Thomas Road, which would need township approval. There was a discussion of moving the site to another location near the teardrop wetland or moving it away from the road into the transmission corridor to the south of the original proposed site to either side of the corridor along the tree line. Since Site 10 was moved to the teardrop area this site was moved a few hundred feet south of the original location.

Site 12 is located at the laydown area in the northeast corner of the project boundary near the Susquehanna River. This site is also located in the Susquehanna Riverlands Recreation Area and is north of Site 7. The site is in the area of disturbance and would be the site of a temporary laydown area. After site observations, the mist net location was moved slightly to the southwest of the originally proposed location.

At the end of the site tour, PPL updated the survey location map³ and the following sites were moved from their previously proposed locations based on discussions during the site tour: Site 2, Site 3, Site 4, Site 5, Site 6, Site 7, Site 9, Site 10, Site 11, and Site 12. After the site tour, the team discussed the consultation process and the next steps. The FWS discussed the timing of formal consultation and the typical interactions that occur during the process. The FWS and NRC explained that formal consultation is initiated by the NRC when it transmits the BA on behalf of the NRC and the Corps.² The typical timeframe associated with the review of a BA was discussed. The FWS recommended the "Endangered Species Consultation Handbook" as a good reference for understanding the consultation process. Typically, once a BA is received by FWS they will review it for completeness. The FWS has 30 days upon the receipt of the BA to notify the action agency that the assessment is incomplete. If complete, the FWS has 90 days from the receipt to respond with a biological opinion (BO). In addition to writing the BO, the FWS would also provide an incidental take statement, if appropriate. Endangered Species Act regulations require that formal consultation be concluded within 90 calendar days of initiation, and the regulations require that the biological opinion be delivered to the action agency within 45 days after the conclusion of formal consultation. FWS strives to issue all biological opinions within the 90-day period; however, it may use the additional 45 days when needed. The NRC then went into describing informal consultation and how it is very important in the process. Informal consultation includes the sharing of information

² The Corps is a cooperating agency for this project and is jointly consulting with NRC.

³ See Enclosure 5 for the revised map that was provided by PPL at the end of the site visit.

and concerns either through teleconferences among the agencies (the applicant may be asked to participate), emails, and could even include drafts of the BA being shared with FWS for review and comment to assist NRC and Corps in completing the BA and ensuring FWS would not have any surprises when they receive the "official" BA. Informal consultation assists FWS in meeting the 90-day review requirement for the BO.

The team then discussed the next steps for this project. First, the survey plan must be revised and sent to FWS for formal approval (usually done through email). The survey plan should be sent with NRC and the Corps on courtesy copy. PPL would then conduct the surveys within the appropriate timeframe (from May 15, 2013 through August 15, 2013) and plans on notifying NRC when the surveys are complete. PPL plans to compile a report with the new data and revise the BEMP. PPL plans to complete this no later than September 2013. The NRC suggested that once PPL submits the new survey data report that NRC, the Corps, FWS, and PPL (as appropriate) should begin periodic calls to discuss the next steps and any concerns that FWS has regarding the survey results and the BA. The FWS mentioned that the eastern small-footed bat and the northern long-eared bat may be listed in the near future by FWS and that the NRC and Corps should consider including a write-up on those species in the BA. The NRC asked if additional surveys might be needed for these species if they were added and FWS was not sure at the time of this meeting if additional surveys would be needed. The site visit then concluded.

After the site visit, PPL worked with FWS to finalize the Indiana Bat Summer Survey Plan and FWS approved the May 14, 2013, version of the plan via email (ML131630163). By letter dated June 7, 2013, PPL sent a copy of the approved final version of the Indiana Bat Summer Survey Plan to FWS for their project records (ML13171A040).

COL - Bell Bend Mailing List

(Revised 03/25/2013)

cc:

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

Mr. William F. Fields
Maryland People's Counsel
6 St. Paul Centre
Suite 2102
Baltimore, MD 21202-1631

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

Regional Administrator
Region I
U. S. Nuclear Regulatory Commission
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 35
Berwick, PA 18603

COL - Bell Bend Mailing List

Email

APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
cwaltman@roe.com (C. Waltman)
david.lewis@pillsburylaw.com (David Lewis)
ecullington@earthlink.net (E. Cullington)
ed.burns@earthlink.net (Ed Burns)
gzinke@entergy.com (George Alan Zinke)
jerald.head@ge.com (Jerald G. Head)
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 (Lawrence J. Chandler)
lois@ieer.org (Lois Chalmers)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
Mark.T.Finley@unistarnuclear.com (Mark T. Finley)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
media@nei.org (Scott Peterson)
mjccaverly@pplweb.com (Michael J. Caverly)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
RJB@NEI.org (Russell Bell)
rrsgarro@pplweb.com (Rocco Sgarro)
sabinski@suddenlink.net (Steve A. Bennett)
sfrantz@morganlewis.com (Stephen P. Frantz)
SRubin@numarkassoc.com (Stuart Rubin)
stephan.moen@ge.com (Stephan Moen)
tkkibler@scana.com (Tria Kibler)
Tony.Robinson@areva.com (Tony Robinson)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
Wanda.K.Marshall@dom.com (Wanda K. Marshall)

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

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. Ted Baird
Society for Pennsylvania Archaeology
1123 Drinker Turnpike
Covington Township, PA 18444

Mr. George Blanchard, Governor
Absentee-Shawntee Tribe of Oklahoma
2025 S. Gordon Cooper
Shawnee, OK 74801

Mr. Anthony T.P. Brooks
Director of Development and Public
Relations
Luzerne County Historical Society
49 South Franklin Street
Wilkes-Barre, PA 18701

Mr. Robert Cartica
State of New Jersey Department of
Environmental Protection
The New Jersey Natural Heritage Program
DEP-Office of Natural Lands Management
Mail Code 501-04
P.O. Box 420
501 E. State Street
Station Plaza #5, 4th Floor
Trenton, NJ 08625-0420

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

Ms. Carol R. Collier
Executive Director
Delaware River Basin Commission
25 State Police Drive
P.O. Box 7360
West Trenton, NJ 08628-0360

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

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

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

Ms. Amy Elliott
U.S. Army Corps of Engineers
Baltimore District
1631 South Atherton Street
Suite 102
State College, PA 16801

Mr. Clifford Farides
Mill Memorial Public Library
495 E. Main Street
Nanticoke, PA 17101

Dr. Katherine Faull, Ph.D.
Humanities Department
Bucknell University
One Dent Drive
Lewisburg, PA 17837

Mr. Max Furek
57 Jeanette Street
Mocanaqua, PA 18655

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

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

Mr. Tony Gonyea, Faithkeeper
Onodaga Nation
Road 11 A, Box 245
Nedrow, NY 13120

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

Mr. Clinton Halftown Heron
Clan Representative
Cayuga Nation
P.O. Box 8043
Seneca Falls, NY 13148

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

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

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

Mr. Leroy Hess
124 Hess Road
Wapwallopen, PA 18660

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

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

The Honorable Leroy Howard, Chief
Seneca-Cayuga Tribe of Oklahoma
23701 S. 655 Road
Grove, OK 74344-6317

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

Ms. Karen J. Karchner
Building Code Official - No. 000624
Zoning/Planning Administrator
Floodplain Administrator
Salem Township
38 Bomboy Lane
Berwick, PA 18603

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

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

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

Mr. Douglas C. McLearen, Chief
Division of Archaeology and Protection
Bureau for Historic Preservation
Pennsylvania Historical and
Museum Commission
Common Wealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120-0093

Mr. Adrian Merolli, Director
Luzerne County Planning Commission
Penn Place
20 N. Pennsylvania Avenue
Wilkes-Barre, PA 18711

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

Mr. Justin Newell
Bureau of Forestry
Pennsylvania Department of Conservation
and Natural Resources
6th Floor Rachel Carson State Office Bldg
P.O. Box 8552
Harrisburg, PA 17105-8552

Ms. Lisette Ormsbee
McBride Memorial Library
500 N. Market Street
Berwick, PA 18603

Mr. Malcom S. Plevyak
1446 Salem Boulevard
Berwick, PA 18603

Mr. Robert Odawi Porter, President
Seneca Nation of Indians
P.O. Box 231
Salamanca, NY 14779

Mr. James L. Richenderfer, Ph.D., P.G.
Director, Technical Programs
Susquehanna River Basin Commission
1721 North Front Street
Harrisburg, PA 17102-2391

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

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

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

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

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

Mr. John Zadigaka
205 Magtzville Road
Berwick, PA 18603

The Berwick Historical Society
P.O. Box 301
Berwick, PA 18603-0301

Email:

djallard@pa.gov (Dave Allard)
pballaron@srbc.net (Paula Ballaron)
sbeeler@pa.gov (Shawn Beeler)
hbiggs@pa.gov (Heidi Biggs)
bob.brown@ge.com (Robert E. Brown)
bbusher@pa.gov (Brian Busher)
kcarey960@gmail.com (Kyle Carey)
mjcaverly@pplweb.com (Mike Caverly)
carole_copeyon@fws.gov (Carole Copeyon)
davis.jamie@epamail.epa.gov (Jamie Davis)
psychndesign@verison.net (Barbara DeRonde)
derddafdl@verizon.net (Robert DeRonde)
wilburdennisjr@hotmail.com (Wilbur Dennis, Jr.)
Amy.H.Elliott@usace.army.mil (Amy Elliott)
lechambon@comcast.net (Eric Epstein)
greshaja@westinghouse.com (James Gresham)
egocek@pa.gov (Erin Gocek)
chebrink@localnet.com (Rev. Chad A. Hebrink)
jh14ferrari@aol.com (John Heim)
wholtsmast@pa.gov (Walter Holtsmaster)
ecology3@gmail.com (Ted Jacobsen)
rjanati@pa.gov (Rich Janati)
jennifer_kagel@fws.gov (Jennifer Kagel)
vincekelly@gmail.com (Vince Kelly)
knutson.lingard@epa.gov (Lingard Knutson)
tolewis@pa.gov (Tonda Lewis)
clombard@pa.metrocast.net (Cynthia Lombard)
Magerr.Kevin@epamail.epa.gov (Kevin Magerr)
steve_mars@fws.gov (Steve Mars)
smcdougal@pa.gov (Steve McDougal)
terrimeighan@msn.com (James E. Meighan)
kaysm@verizon.net (Catherin Stuccio Mentrinkoski)
smonatesti@verizonl.net (Sabatini Monatesti)
omowery@pa.gov (Olivia Mowery)
pnaugle@srbc.net (Pat Naugle)
john.nichols@noaa.gov (John Nichols)
rmpaley@pplweb.com (Robert M. Paley)
ajlaquin@verizon.net (Patricia Perluke)
kpetock@curtisswright.com (Kelly Petock)
TomPopko@hotmail.com (Tom Popko)
ruppert125@aol.com (Greg Ruppert)
eschloyer@yahoo.com (Erin Schloyer)
signs@bellessigns.com (Ryan Search)
rrsgarro@pplweb.com (Rocco R. Sgarro)
tshervinsk@pa.gov (Tom Shervinsk)
dsimpson@bloomu.edu (David Simpson)
nate@nathansnavely.com (Nate Snavely)
dasuper@verizon.net (Dave Superdock)

RKTemple@cpsenergy.com (R.K. Temple)
Doug.Tift@nrc.gov (Doug Tift)
etrowbridg@pa.gov (Gene Trowbridge)
kevwhite@pa.gov (Kevin White)
lwinker@pa.gov (Larry Winker)
Lora_Zimmerman@fws.gov (Lora Zimmerman)