

## **APPENDIX B**

### **Species Of Special Concern Information**

A request for updated information concerning species of special concern was submitted to the USFWS by PPL Bell Bend LLC on 20 September 2010. A response from the USFWS is anticipated.



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Pennsylvania Field Office  
315 South Allen Street, Suite 322  
State College, Pennsylvania 16801-4850

January 18, 2008

Rod Krich  
UniStar Nuclear Energy, LLC  
750 East Pratt Street, 14<sup>th</sup> Floor  
Baltimore, MD 21202-3106

RE: USFWS Project #2008-0518

Dear Mr. Krich:

This responds to your letter of December 21, 2007, requesting information about federally listed and proposed endangered and threatened species within the area affected by the proposed nuclear powered steam electric plant located in Luzerne County, Pennsylvania. The following comments are provided pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) to ensure the protection of endangered and threatened species.

The project is within the range of the Indiana bat (*Myotis sodalis*), a species that is federally listed as endangered. Indiana bats hibernate in caves and abandoned mines during the winter months (November through March), and use a variety of upland, wetland and riparian habitats during the spring, summer and fall. Indiana bats usually roost in dead or living trees with exfoliating bark, crevices or cavities. Female Indiana bats form nursery colonies under the exfoliating bark of dead or living trees, such as shagbark hickory, black birch, red oak, white oak, and sugar maple, in upland or riparian areas.

Land-clearing, especially of forested areas, may adversely affect Indiana bats by killing, injuring or harassing roosting bats, and by removing or reducing the quality of foraging and roosting habitat. To determine whether the proposed project will affect Indiana bats, we will need additional project information, including site plans and a detailed project description, that describe how much forest disturbance will occur (area, tree species, and size classes).

This response relates only to endangered or threatened species under our jurisdiction, based on an office review of the proposed project's location. No field inspection of the project area has been conducted by this office. Consequently, this letter is not to be construed as addressing potential Service concerns under the Fish and Wildlife Coordination Act or other authorities.

*To avoid potential delays in reviewing your project, please use the above-referenced USFWS project tracking number in any future correspondence regarding this project.*

If you have any questions regarding this matter, please contact Pam Shellenberger of my staff at 814-234-4090.

Sincerely,

A handwritten signature in black ink, appearing to read "David Densmore", with a long horizontal flourish extending to the right.

David Densmore  
Supervisor



**pennsylvania**  
DEPARTMENT OF CONSERVATION  
AND NATURAL RESOURCES

RECEIVED NOV 01 2010

---

BUREAU OF FORESTRY

Date November 1, 2010

PNDI Number: 21008

Terry L. Harpster  
PPL Bell Bend, LLC  
38 Bomboy Lane, Suite 2  
Berwick, PA 18603  
FAX: 570-802-8119 (Hard copy will not follow)  
Re: Bell Bend Nuclear Power Plant  
County: Luzerne Township: Salem

Dear Mr. Harpster,

Thank you for submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number 21008 for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources of concern under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

There are no plant species or geologic features of concern in your project area. There are two terrestrial invertebrates of concern that were known to be in the project area.

*Euphydras phaeton*, Baltimore Checkerspot, habitat is wet meadows, bogs, and marshes with flight in June through August. Larval food is Turtlehead, Hairy Beardtongue, English plantain, Foxglove and White Ash and the adult food is nectar from Milkweed, Virburnums and Wild Rose.

*Poanes massasolet*, Mulberry Wing, habitat is freshwater marshes or bogs with flight in late June through mid August. Larval food is *Carex stricta* and adult food is any flower nectar.

When more detailed project information becomes available, please submit this project to our office for further review of potential impacts to these terrestrial species.

This response represents the most up-to-date summary of the PNDI data files and is valid for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map.

This finding applies to impacts to DCNR only. To complete your review of state and federally-listed threatened and endangered species and species of special concern, please be sure the U.S. Fish and Wildlife Service, PA Game Commission, and the Pennsylvania Fish and Boat Commission have been contacted regarding this project as directed by the online PNDI ER Tool found at [www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us)

Sincerely,

  
Richard Shockey, Environmental Review Manager FOR Chris Firestone, Wild Plant Program Mgr.  
Ph: 717-772-0263 ~ [c-rshockey@state.pa.us](mailto:c-rshockey@state.pa.us)

conserve

sustain

enjoy

---

P.O. Box 8552, Harrisburg, PA 17015-8552 717-787-3444 (fax) 717-772-0271



Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry

March 24, 2008

George Wrobel  
 CEG GNA Engineering  
 FAX: 585.771.3392 (hard copy will NOT follow—page 1 of 2)

<i>Pennsylvania Natural Diversity Inventory Review, PNDI Number</i>	<b>019535</b>
Unistar Nuclear Energy/ Berwick, PA NPP-1	
Salem Township; Luzerne County	

Dear Mr. Wrobel,

This responds to your request for information on species of special concern within the area under evaluation for this project. We screened this project for potential impacts to species and resources of special concern under the Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

PNDI records indicate that species and communities of special concern under DCNR's jurisdiction are known to occur in the vicinity of the above-mentioned project. Please see the attached list for butterfly species found in the project area. If any earth disturbance is planned or more detailed project information becomes available, please submit this project to our office for further review of potential impacts to the attached species list.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

This finding applies to impacts to plants, natural communities, terrestrial invertebrates and geologic features only. To complete your review of state and federally-listed species of special concern, please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission has been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at [www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us).

*Rebecca H. Bowen*

Rebecca H. Bowen, Environmental Review Specialist, PNHP

DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-772-0258 ~ F: 717-772-0271 ~ [c-rtowen@state.pa.us](mailto:c-rtowen@state.pa.us)

Stewardship

Partnership

Service

## Invertebrates of Special Concern (no plant or geological features hits)

Scientific	Common	Status	Habitat	Larval Food	Adult Food	Flight
<i>Enodia anthedon</i>	Northern Pearly-Eye	S3S4	damp deciduous woods usually near marshes or waterways; mixed or grassy woodlands	various grasses	dung, fungi, carrion, sap from willows poplars birches	June-Aug
<i>Euphydras phaeton</i>	Baltimore Checkerspot	S2S4	wet meadows, bogs, marshes	turtlehead, hairy beardtongue, english plantain, foxglove, white ash	nectar from milkweed, viburnums, wild rose	June-Aug
<i>Poanes massasoit</i>	Mulberry Wing	S3	freshwater marshes or bogs	<i>carex stricta</i>	any flower nectar	late June-mid Aug
<i>Polites mystic</i>	Long Dash	S3	open, moist areas including meadows, marshes, prairie swales, streamsid es, woods edges	bluegrasses	milkweed, selfheal, mountain laurel, tick trefoil	May-Aug

*\* These species are known to reside on site. Please make plans that attempt to minimize impacts to the potential habitats of these species. Also note, if any earth disturbance is planned or more detailed project information becomes available, please submit this project to our office for further review of potential impacts to the attached species list.*