

Matthew G. Bevin
Governor



Charles G. Snively
Secretary
Energy and Environment Cabinet

Jason L. Weese
Director

**Commonwealth of Kentucky
Kentucky State Nature Preserves Commission
801 Teton Trail
Frankfort, Kentucky 40601-1403
502-573-2886 Voice
502-573-2355 Fax**

September 29, 2017

James Becker
Pacific Northwest National Laboratory
902 Batelle Blvd
Richland, WA 99354

Data Request 18-020

Dear Mr. Becker,

This letter is in response to your data request of September 27, 2017 for the Clinch River Small Modular Reactor in Bell and Whitley Counties, Kentucky. We have reviewed our Natural Heritage Program Database to determine if any of the endangered, threatened, or special concern plants and animals or exemplary natural communities monitored by the Kentucky State Nature Preserves Commission occur near the project area on Eagan, Frakes, Kayjay, and Artemus USGS Quadrangles as indicated in the file provided to us. Please see the attached Excel file and geodatabase for more information.

Element Occurrence Records

1-mile for all records – 42 records
5-mile for aquatic records – 81 records
5-mile for federally listed species – 55 records
10-mile for mammals and birds – 38 records

This project intersects four different managed areas and three conservation sites including a Kentucky Division of Water Outstanding Resource Water. Please use the attached geodatabase with corresponding feature classes (managed areas and conservation sites) to determine proximity and impact. KSNPC is not regulatory but recommends contacting the proper authorities (KDOW, KY DEP, KDFWR, USFWS, etc.) about impacts to the managed lands and conservation lands.

Certain taxa are considered sensitive by KSNPC because either they exist in limited geographic areas, or they have certain characteristics or habitat requirements that make them especially vulnerable to specific pressures such as collection, human disturbance, etc. Measures should be taken to avoid the disturbance of possible habitat for these species. For this reason, the exact location of some species has not been included in the enclosed data report. Please contact

KSNPC for more information.

This project as planned goes through one or more large forest blocks. KSNPC is now monitoring large forest blocks, which are defined as 900 or more acres of contiguous forest. Large forest blocks were determined using the best available data at this time. Forest fragmentation is one of the primary impacts to plants and animals that require large tracts of forest for all parts of their life cycles. Fragmenting or impacting large forest blocks should be avoided.

I would like to take this opportunity to remind you of the terms of the data request license, which you agreed upon in order to submit your request. The license agreement states "Data and data products received from the Kentucky State Nature Preserves Commission, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Kentucky State Nature Preserves Commission." The exact location of plants, animals, and natural communities, if released by the Kentucky State Nature Preserves Commission, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Kentucky State Nature Preserves Commission's Heritage Branch (801 Teton Trail, Frankfort, KY, 40601. Phone: (502) 573-2886).

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed and new plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. We would greatly appreciate receiving any pertinent information obtained as a result of on-site surveys.

If you have any questions or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Ian Horn
Geoprocessing Specialist

Enclosures: Data Report and Interpretation Key

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INVOICE

September 29, 2017

James Becker
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902 Batelle Blvd
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Purchase Order Number _____

Data Request 18-020

This letter is an invoice for the amount of \$ 337.50 for data services requested September 27, 2017 for the Clinch River Small Modular Reactor in Bell and Whitley Counties, KY.

Please make payment to the Kentucky Nature Preserves Fund using our online credit card payment system. Payment is due upon receipt.

<https://secure.kentucky.gov/formservices/KSNPC/PaymentProcessing>

(be sure to include the Data Request Number).

Please contact us if we can be of further assistance.