

US EPA ARCHIVE DOCUMENT

# OHIO VALLEY ELECTRIC CORPORATION

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March 24, 2009

Mr. Richard Kinch  
US Environmental Protection Agency (5306P)  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

*Cherita,  
Ohio.*

Dear Mr. Kinch:

Re: Ohio Valley Electric Corporation  
Kyger Creek Station  
Information Collection Request  
Surface Impoundments

Please find attached the Ohio Valley Electric Corporation's (OVEC's) responses to US EPA's information collection request concerning surface impoundments dated March 9, 2009, and received by OVEC on March 11, 2009. The Kyger Creek Station operates two management units, the South Fly Ash Pond, and a Boiler Slag Pond.

I certify that the information contained in this response to EPA's request for information and the accompanying documents is true, accurate, and complete. As to the identified portions of this response for which I cannot personally verify their accuracy, I certify under penalty of law that this response and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

If you have any questions, please contact Matthew Smith of my staff at (740) 289-7249 or [msmith@ovec.com](mailto:msmith@ovec.com).

Sincerely,



Donald T. Fulkerson  
Environmental Affairs Director

DTF:men

Attachment

**Ohio Valley Electric Corporation**  
**Kyger Creek Station**

1. Relative to the National Inventory of Dams criteria for High, Significant, Low, or Less than Low Hazard Potential, please provide the rating for each management unit and indicate which State or federal regulatory agency assigned that rating. If the unit does not have a rating, please note that fact.

**Per the Ohio Department of Natural Resources (ODNR), both the South Fly Ash Pond and the Boiler Slag Pond units at the Kyger Creek Station are considered Class II medium hazard management units because of their proximity to State Route 7 and the Ohio River.**

2. What year was each management unit commissioned and expanded?

**The management units at the Kyger Creek Station have never been expanded and were commissioned February 1955.**

3. What materials are temporarily or permanently contained in the unit? Use the following categories to respond to this question: (1) fly ash; (2) bottom ash; (3) boiler slag; (4) flue gas emission control residuals; (5) other. If the management unit contains more than one type of material, please identify all that apply. Also, if you identify "other," please specify the other types of materials that are temporarily or permanently contained in the unit(s).

**The Kyger Creek Station operates two management units, the South Fly Ash Pond, which is used to manage only fly ash, and the Boiler Slag Pond, which is used to manage only boiler slag.**

4. Was the management unit(s) designed by a Professional Engineer? Is or was the construction of the waste management unit(s) under the supervision of a Professional Engineer? Is inspection and monitoring of the safety of the waste management unit(s) under the supervision of a Professional Engineer?

**The safety (structural integrity) of the management units are inspected and certified by a Professional Engineer on a biannual basis. Additionally, the Kyger Creek Station performs internal inspections on a quarterly basis.**

5. When did the company last assess or evaluate the safety (i.e., structural integrity) of the management unit(s)? Briefly describe the credentials of those conducting the structural integrity assessments/evaluations. Identify actions taken or planned by facility personnel as a result of these assessments or evaluations. If corrective actions were taken, briefly describe the credentials of those performing the corrective actions, whether they were company employees or contractors. If the company plans an assessment or evaluation in the future, when is it expected to occur?

**The management units at the Kyger Creek Station are evaluated for safety (structural integrity) on a biannual basis by a Professional Engineer from the American Electric Power Company's Geotechnical Engineering Section. The next biannual evaluation is scheduled to be conducted during the fall of 2009.**

6. When did a State or a Federal regulatory official last inspect or evaluate the safety (structural integrity) of the management unit(s)? If you are aware of a planned state or federal inspection or evaluation in the future, when is it expected to occur? Please identify the Federal or State regulatory agency or department which conducted or is planning the inspection or evaluation.

**The management units at the Kyger Creek Station were last evaluated by the ODNR on February 10, 2009.**

Please provide a copy of the most recent official inspection report or evaluation.

**Currently the inspection report is pending but no areas of concern were identified during the inspection.**

7. Have assessments or evaluations, or inspections conducted by State or Federal regulatory officials conducted within the past year uncovered a safety issue(s) with the management unit(s), and, if so, describe the actions that have been or are being taken to deal with the issue or issues.

**The ODNR indicated no safety issues or areas of concern during the February 10, 2009 inspection.**

Please provide any documentation that you have for these actions.

**The ODNR inspection report is currently pending.**

8. What is the surface area (acres) and total storage capacity of each of the management units? What is the volume of material currently stored in each of the management unit(s). Please provide the date that the volume measurement was taken.

#### **South Fly Ash Pond**

**The South Fly Ash Pond has a total surface area of 65 acres, and a total capacity of 2,500 acre-feet to the top of the dike, and a useable capacity of 1,952 acre-feet. The last pond survey completed was conducted on March 9, 2009, and indicated that the South Fly Ash Pond contained approximately 2,449,811 cubic yards of fly ash, which is equivalent to 1,518 acre-feet.**

#### **Boiler Slag Pond**

**The Boiler Slag Pond has a total surface area of 35 acres, and a total capacity of 1,435 acre-feet, and a useable capacity 512 acre-feet. The current volume of material in this management unit is minimal since the majority of the Kyger Creek Station's boiler slag is purchased for beneficial reuse. Therefore, no routine pond surveys are performed.**

9. Please provide a brief history of known spills or unpermitted releases from the unit within the last ten years, whether or not these were reported to State or federal regulatory agencies. For purposes of this question, please include only releases to surface water or to the land (do not include releases to groundwater).

**There have been no spills or unpermitted releases over the life of the management units at the Kyger Creek Station.**

10. Please identify all current legal owner(s) and operator(s) at the facility.

**Ohio Valley Electric Corporation**  
**3932 U.S. Route 23**  
**Piketon, Ohio 45661**  
**(740) 289-7200**