



Duke Energy
1097 N 950 W
Owensville, IN 47665

July 2, 2024

Samantha Clements
Water Enforcement Case Manager
Office of Water Quality, IDEM
100 North Senate Avenue, IGCN 1255
Indianapolis, IN 46204

RE: Second Quarter 2024 Compliance Plan Progress Report
Agreed Order Case No. 2015-23003-W
Gibson Generating Station
1097 N 950 W, Owensville, Indiana 47665

Dear Ms. Clements:

Duke Energy Indiana, LLC (Duke) respectfully submits to the Indiana Department of Environmental Management (IDEM) this Compliance Plan Progress Report for the Gibson Generating Station. This report has been prepared in accordance with the Agreed Order for the facility (Case No. 2015-23003-W) and the Gibson Generating Station Implementation Plan, Rev. 2, approved by IDEM on 10/3/2017.

Per the requirements in the plan:

- Surface water samples in the Cooling Pond and perimeter ditch system are to be taken to monitor and evaluate the effects of the Phase 3 actions. Specifically, surface water samples are taken quarterly in the Cooling Pond until the surface model is completed, and then semiannually thereafter, along with several locations in the perimeter ditch. Since the Cooling Pond model was completed in March 2019, Duke Energy has implemented the semi-annual schedule. The first 2024 semi-annual sampling occurred in March, and the report was submitted to IDEM on May 28, 2024.
- Duke Energy proposed in the Implementation Plan, Rev. 2 to monitor the Cooling Pond and perimeter ditch system for a period of four years. The monitoring data from this effort was incorporated into the surface water quality model submitted in December 2019. Duke Energy also agreed that after the initial four-year period was completed, an extensive review of the water quality data will be conducted to determine the change in water quality in the Cooling Pond and the perimeter ditch system. The four-year monitoring period ended in December 2019 and the finalized data report was submitted to IDEM on May 8, 2020. Duke Energy continues to collect semi-annual samples and submits those reports to IDEM.
- IDEM approved the Closure/Post-Closure plan for the North Ash Basin System, which comprises both the North Ash Pond and North Settling Basin, on December 7, 2021. Closure of this system will include the targeted in-situ stabilization of ash material, site regrading, and liner and final cover installation; work is anticipated to be completed by approximately 2028.

Should you have any questions, or require additional information regarding this submittal, please email John Gilomen at john.gilomen@duke-energy.com or call him at 812-386-4261.

I certify under penalty of law that this document 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 persons who managed the system, or 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 fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information.

Sincerely,

Duke Energy Indiana, LLC

A handwritten signature in black ink, appearing to read "Chris Roeder". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Chris Roeder
General Manager – Gibson Generating Station

CC: Nicole Gardner, IDEM (electronic)
Richard Hamblin, IDEM (electronic)
Paul Higginbotham, IDEM (electronic)
Paul Novak, IDEM (electronic)