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July 21, 2022

Chad Stobbe
Land Quality Bureau
Iowa Department of Natural Resources
502 East 9th Street
Des Moines, IA 50319-0034

Subject: Semi-Annual Progress Report
 Main Ash Pond Closure Project
 Ottumwa Generating Station
 Ottumwa, Iowa
 Permit #90-SDP-16-15C

Mr. Stobbe:

On behalf of Interstate Power and Light Company (IPL), Alliant Energy is submitting the enclosed semi-annual progress report for the Ottumwa Generating Station Main Ash Pond Closure Project. This report is required by Special Condition #4 of Closure Permit #90-SDP-16-15C issued on November 22, 2021.

Thank you for your review of this report. If you have any questions or concerns, please contact me via email (jennycoughlin@alliantenergy.com) or by phone (515-558-9704).

Sincerely,

A handwritten signature in dark ink, appearing to read "Jenny Coughlin", written in a cursive style.

Jenny Coughlin
Senior Environmental Specialist
Alliant Energy Corporate Services, Inc.

CC: John Watts, Plant Manager, IPL – Ottumwa Generating Station
 Rob Saunders, Senior Environmental Specialist, IPL – Ottumwa Generating Station
 Chad Wall, Alliant Energy
 Robert Owens, Burns & McDonnell

Ottumwa Generating Station Main Ash Pond Closure Project
IDNR Permit #90-SDP-16-15C
Semi-Annual Progress Report
July 21, 2022

1. Actions Taken to Date

- Ceased sluicing ash to Main Ash Pond in September 2020
- Completed design drawings and specifications for Main Ash Pond closure and cap installation Construction Quality Assurance work at the site
- Awarded contract for closure activities in April 2021
- Received the construction stormwater discharge permit for the project in May 2021
- Received Closure Permit (90-SDP-16-15C) from IDNR Solid Waste Section issued on November 22, 2021
- Constructed new lined low volume wastewater pond in location of former Zero-Liquid Discharge Pond, completed December 2021
- Began construction of outlet to Middle Avery Creek on March 13, 2022
- Began dewatering the Main Ash Pond on March 30, 2022; work is ongoing
- Initiated construction of a new air heater wash basin in a portion of the Main Ash Pond on April 6, 2022
 - a. Includes removing all CCR from the area and consolidating CCR in the southern part of the pond
 - b. Work is ongoing
- Diverted plant wastewater to newly constructed lined low volume wastewater pond on April 13, 2022
- Completed construction of the outlet to Middle Avery Creek and began discharging plant stormwater through NPDES Outfall 009 on April 30, 2022
- Ceased non-CCR discharges to the Main Ash Pond on May 2, 2022

2. Problems Encountered and Actions Taken to Resolve Problems

Problems Encountered	Actions Taken to Resolve Problems	Reporting Period of Problem and Resolution
Permitted to discharge wastewater through Outfall 007 as of May 1, 2022; however, pH of wastewater was too high to discharge	Wastewater is being pumped to Main Ash Pond outlet structure, where it is treated with CO ₂ to lower pH before discharge through Outfall 001	Wastewater was sampled prior to discharge.

3. Pending Closure Activities

- Impoundment Closure construction activities are scheduled to be completed by January 2023:
 - a. Complete dewatering of the Main Ash Pond
 - b. Complete construction of the air heater wash basin

- c. Consolidate CCR in the Main Ash Pond
 - d. Construct a perimeter stormwater ditch around the project area
 - e. Complete grading activities in the Main Ash Pond
 - f. Install final cover system including the following components as approved by the Iowa Department of Natural Resources:
 - i. 18-inch-thick soil infiltration layer or alternative cover
 - ii. 6-inch-thick vegetative soil layer
 - g. Seed final cover system
- Post-Construction administrative work is scheduled to be completed by March 2023:
 - a. Project Closeout/Construction Documentation
- Notification of Closure completion (anticipated March 2023)
- Notification of Notation in Property Deed (anticipated March 2023)