



VIA ELECTRONIC MAIL

Chad Stobbe  
Iowa Department of Natural Resources  
Chad.Stobbe@dnr.iowa.gov

June 3, 2024

**RE: Notification of Antimony and Thallium Exceedance in Boiler Ash Sample, University of Iowa Power Plant**

Dear Mr. Stobbe:

The initial notification of antimony and thallium exceedance submitted May 31, 2024, is succeeded by this notification.

As required in Special Condition 6) a. of Beneficial Use Determination 07-BUD-20-02, UI is required to submit a written notification within 10 business days for any results that exceed regulatory limits.

A composite sample of the power plant's combined boiler ash was collected over the period from 4/1/2024 through 4/18/2024 to the Keystone Laboratories in Newton, IA. The results from the testing show Antimony exceeded the total Metals regulatory limit of 31 mg/kg for the composite sample. The tested antimony value was 37.5 mg/kg. In addition, the results from the testing show Thallium exceeding the total metals regulatory limit of 0.78 mg/kg for the composite sample. The tested thallium value was 2.5 mg/kg.

The analytical results were entered in the Iowa Department of Natural Resources Cumulative Risk Calculator, and the Site Work non-cancer output by target organ "Blood" exceeds the cumulative risk threshold of 1. The site appreciates the assistance of the Department in identifying this threshold exceedance. As a result, ENGIE ceased sending the ash material to BMC and has activated it's alternative disposal plan. In addition ENGIE is proceeding with gathering additional samples and will share the results with BMC and the Department in hopes of achieving future compliance.

Please contact me at 319-800-2052, or [melissa.gilmartin@engie.com](mailto:melissa.gilmartin@engie.com) with any questions regarding this report.

Sincerely,

**Melissa M. Gilmartin**

Melissa M. Gilmartin  
Environmental Engineer

Enclosures:

Previously included in May 31, 2024 communication.

CC:

BMC Aggregates, L.C., Sherman Lundy, [sherml@bmcaggregates.com](mailto:sherml@bmcaggregates.com)

ENGIE, Mark Maxwell, [mark.maxwell@engie.com](mailto:mark.maxwell@engie.com)

University of Iowa, Jenna Wischmeyer, [jenna-wischmeyer@uiowa.edu](mailto:jenna-wischmeyer@uiowa.edu)

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