

US EPA ARCHIVE DOCUMENT



## CITY OF COLUMBIA, MISSOURI

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WATER AND LIGHT DEPARTMENT  
COLUMBIA TERMINAL RAILROAD

April 29, 2014

Mr. Stephen Hoffman  
U.S. Environmental Protection Agency (5304P)  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

RE: Request for Action Plan Regarding City of Columbia, Water & Light Department –  
Columbia Municipal Power Plant

Dear Mr. Hoffman:

This letter is in response to EPA's April 8, 2014 requesting an action plan in response to EPA's report regarding the CCW Impoundment, also known as More's Lake, at the Municipal Power Plant (MPP) in Columbia, MO.

After the first draft of EPA's report was issued, Water & Light (CWL) contracted with a geotechnical engineer to conduct a dam stability analysis. The first round of geotechnical borings were completed in January 2014. Subsequent stability analysis indicated a need for additional borings. These additional borings are scheduled for later this spring, with stability analysis to be completed thereafter.

CWL's contract surveyor is currently investigating the discrepancies in datum between the recently completed survey of the MPP site and that used by the Corps of Engineers in their 1980 report. It is believed that the difference results from an assumed elevation used by the Corps in 1980. Our surveyor will take measurements to make and document a determination.

CWL is in the process of hiring a local engineer to perform hydrologic and hydraulic analysis of More's Lake. Specifically, the Engineer will determine if the existing spillway and discharge piping is properly sized to handle the existing drainage conditions, and determine if More's Lake can pass a 75% PMP event or 50% PMF event, whichever is larger, without overtopping. If the spillway and discharge piping is found to be undersized, a properly sized spillway and discharge piping will be designed. This work is expected to commence about June 2014 and be completed by October 2014.

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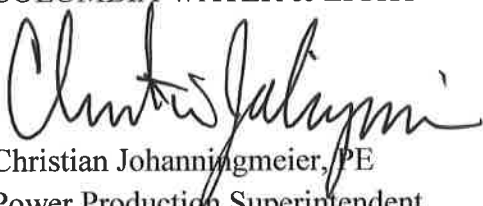
If the dam stability or hydrologic/hydraulic studies determine that any upgrades are required, plans and estimates will be developed for inclusion in our capital improvement or operating and maintenance budgets.

CWL intends to hire a consultant to help develop a Dam Surveillance, Operating, and Maintenance Plan. Water & Light plans on having a consultant under contract by the 4<sup>th</sup> quarter of 2014, with a plan developed and implemented by the 2<sup>nd</sup> quarter of 2015. Meanwhile, clearing and grubbing any undesirable vegetation from the More's Lake dam, and other basic maintenance work will be completed using internal forces by year end.

If you have any questions or need any additional information, please contact me.

Sincerely,

COLUMBIA WATER & LIGHT

A handwritten signature in black ink, appearing to read "Christian Johannigmeier". The signature is written in a cursive style with a large initial "C".

Christian Johannigmeier, PE  
Power Production Superintendent