From: Casbon-Scheller, Angela
To: Chatfield, Ethan
Subject: SIGECO F.B. Culley PM
Date: Friday, June 3, 2022 3:37:48 PM
Attachments: image003.png

Mr. Chatfield,

Following up on a prior voicemail to you, which we touched on over the phone today, the SIGECO F.B. Culley Generating Station experienced six exceedances of the 3-hour rolling average PM limit for Unit 3 on May 5. The exceedances occurred on May 5 and ranged from 0.017 lb/mmBTU to 0.025 lb/mmBTU. These occurred when Unit 3 was being started up while Unit 2 was already in operation. Prior to the Unit 3 startup, the Unit 2 megawatts were reduced due to high-pressure feedwater heaters being out of service and as a countermeasure to address the PM. Following the occurrence, a tear was observed in an expansion joint on the Unit 3 ductwork. This is a potential contributing factor to the PM exceedances. The unit was offline so that repairs could be completed.

Since that time, and as discussed on the phone today, on May 18 four exceedances of the 3-hour rolling average PM limit for Unit 3 occurred when the unit was being brought online while Unit 2 was already online. Unit 2 was lowered to minimum load prior to startup of Unit 3 in an effort to prevent the exceedances, which ranged from 0.016 to 0.019 lb/ mmBTU. Facility personnel executed Unit 3 start up as expeditiously as possible in an effort to normalize the PM readings as quickly as possible.

On May 20, Unit 3 was operating at 250 MW when a fan train tripped. This caused an immediate shutdown of two mills and a loss of 150 MW. The sudden shift in operations resulted in sudden combustion changes, leading to an increase in PM readings and levels above the Unit 3 3-hour rolling average limit for a period of 4 hours. The readings ranged from 0.016 to 0.019 lb/mmBTU. When the fan was brought back online and Unit 3 returned to normal operations, the PM readings returned to levels below the limit.

Three exceedances occurred on May 29, ranging from 0.018 to 0.020 lb/mmBTU. This occurred during Unit 2 start-up while Unit 3 was at minimum load. Load was raised on Unit 3, thereby bringing the PM readings back down. The start up protocol for Unit 2 is being adjusted to include steps to raise load on Unit 3 if the load is low when Unit 2 is called for start-up.

Please let me know if you have any questions.

CenterPoint. Energy

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