

Gage, Hannah

From: Gilliam, Allen
Sent: Wednesday, January 06, 2016 3:42 PM
To: blytheville Thomas Jones; richard depriest
Cc: Gage, Hannah; Shafii, Mo; Trotta, Jacqueline
Subject: AR0022560_Blytheville South Plant AR0022578 Second Annual Mercury Progress Report_20160106
Attachments: second mercury progress report.doc

Thanks for the update Thomas,

The "Progress report" will be scanned to proper website drive.

Please submit all Hg sampling results from the South plant's sludge and lift stations you've completed to date within thirty (30) days from the date on this correspondence. Obviously, lift station samples should be taken at their lowest level (while not pumping).

It would be advisable to send surveys out to businesses, hospitals, schools, etc. asking specifically what their cleaning/floor wax stripping chemicals are. Some brands of industrial grade bleach and other cleaning agents do contain trace amounts of Hg. I believe I've also read some floor waxes have trace amounts of Hg in it.

As a last resort, anticipate any rain events, set out a sterile fluoropolymer or glass bottle in a secure and wind protected place to capture any rainfall (secure container [w/Tyvek gloves] lid as soon as enough rain is collected for a sample – 100 mls?) and test its contents using method 1631E. You have the Independence power plant ~100 miles WsW of you. Coal-fired power plants are known to have measurable Hg in their chimney air emissions. Is it possible atmospheric deposition of Hg from this power plant is also contributing trace Hg to all three of your w.w. treatment facilities?

I read a report from the NE part of the US where university students collected/tested for Hg the snow on top of their building only to find it had ~10 times their WQ criteria.

Again, thank you for this update.

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

E/NPDES/NPDES/Pretreatment/Reports

From: Thomas Jones [<mailto:tdjblyww@gmail.com>]
Sent: Thursday, December 31, 2015 1:18 PM
To: Gilliam, Allen
Subject: Second Annual Mercury Progress Report

Allen,

The hard copy is in the mail just sending this to ensure delivery on time. I will scan the copies of ETC/Waypoint bench sheets if needed.

Thanks
Thomas

December 31, 2015

Mr. Allen Gilliam
State Pretreatment Coordinator
ADEQ
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: NPDES Permit No: AR0022578, AFIN 47-00925

Dear Mr. Gilliam,

The City of Blytheville Wastewater Department is submitting its second annual progress report for Mercury Discharge from our South Treatment Facility.

February 2015- 0.0111ug/L
March 2015- 0.0105ug/L
April 2015- 0.00867 ug/L
May 2015- 0.00734ug/L
June 2015- 0.00403ug/L
July 2015- 0.00608ug/L
September 2015-0.00641ug/L
October 2015- 0.0272ug/L
November 2015- 0.0161ug/L

At this time results show that we are not meeting requirements for Permit # AR0022578 to go into effect January 1, 2017.

Further sampling will be done throughout the collection system to see if main source can be identified. Sludge sampling will also be done to determine if that is the main contributor to the non-compliance test results. If being the case further action will be suggested pending approval such as dredging of over saturated sludge.

The City will inform the public with community awareness about mercury and products that contain it, possibly through the newspaper and other media. A safe sampling procedure has been put into place, to help prevent contaminating samples.

If you need more information or have any questions, please contact me at (870)763-4961.

Sincerely,

Thomas Jones
Pretreatment Coordinator
Blytheville Wastewater Department