

**LITTLE ROCK WATER RECLAMATION AUTHORITY
SUMMARY OF SELF MONITORING DATA INVALIDATED BY QC PROTOCOL
SUBMITTED WITH DISCHARGE MONITORING REPORT**

Adams Field Water Reclamation Facility
NPDES Permit Number AR0021806 - AFIN 60-00409

Month/Year: April / 2020

Flow Date	Error Type		Parameter(s) Affected	Reasons for Loss of Self Monitoring Data	Corrective Action(s) Taken	*LRWRA C.A.R. No.
	Laboratory	Sampling				
4/7/2020	X		BOD	GGAC recovery (241.67 mg/L) outside of acceptable limits 167.5-228.5 mg/L. All BOD samples are invalidated and cannot be retested, nor recollected.	A root cause analysis is being performed to determine the cause of a series of unacceptable results. The Lab Coordinator performed this BOD setup to determine if the failures are due to technician error. This failure demonstrates that the failures are not due to the Lab Tech assigned to the BOD rotation. Dilution water jugs will be acid rinsed with 1:1 HCl before use to determine if the failures are from the dilution water. The DO meter was recalibrated, results unchanged.	2020-049
4/21/2020	X		BOD	GGAC bottles using dilution water jug #1 (240.20 mg/L & 233.70 mg/L) were outside the acceptable limits of 167.5-228.5 mg/L. Therefore, all samples using dilution water jug #1 are invalidated. The samples cannot be retested, nor recollected.	Lab Techs were instructed to change the dilution water jug from a plastic carboy to a 9L glass bottle that has been acid rinsed in 1:1 HCl before use. Results unchanged. This change was implemented as part of a root cause analysis in response to a series of failed runs. The Lab Techs will continue to be instructed to eliminate variables of possible contamination until the source has been identified and mitigated. They have been instructed to heat the dilution water on the hot plate and aerate instead of just warming the dilution water. The DO meter was recalibrated, results unchanged.	2020-054
04/22/2020	X		BOD	GGAC (236.30 mg/L) was outside of acceptable limits of 167.5-228.5 mg/L. All BOD results are invalidated. Samples cannot be retested, nor recollected.	Lab Techs were instructed to change the dilution water jug from a plastic carboy to a 9L glass bottle that has been acid rinsed in 1:1 HCl before use. Results unchanged. This change was implemented as part of a root cause analysis in response to a series of failed runs. The Lab Techs will continue to be instructed to eliminate variables of possible contamination until the source has been identified and mitigated. They have been instructed to heat the dilution water on the hot plate and aerate instead of just warming the dilution water. The DO meter was recalibrated, results unchanged.	2020-056

*A full Corrective Action Report (C.A.R.) is on file at Little Rock Water Reclamation Authority (LRWRA) and is available for review/submittal at any time.

In accordance with the certification statement found in the NPDES Permits issued to Little Rock Wastewater (Part II D. 11. c.): I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Eric Wassell

Signature of Principal Executive Officer or Authorized Agent

5/19/2020

Date

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