

**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: June / 2023

Flow Date	Error Type		Parameter(s) Affected	Reasons for Loss of Self Monitoring Data	Corrective Action(s) Taken	*LRWRA
	Laboratory	Sampling				C.A.R. No.
6/19/2023	X		CBOD	The CBOD GGAC recovery (72.27 mg/L) was outside the acceptable limits of 167.5-228.5 mg/L. All sample results in the run are invalidated. Samples cannot be recollected, nor retested for the flow week.	LRWRA lab staff performed a separate troubleshooting test on 06/28/23 where different variables were isolated to determine their impact on normal testing results. We found the following: (1) Lack of GGA gave a depletion near the expected seed correction; (2) Lack of seed gave a recovery roughly half of the anticipated result. Given the above information, the 06/19/23 run appears to be an unseeded set of CBODs. The analysts were informed, and we have not seen this issue since.	2023-007
06/20/23 06/27/23	X		CBOD	The CBOD GGAC recoveries (158.72 & 160.15 mg/L) were outside the acceptable limits of 167.5-228.5 mg/L. All sample results in the runs are invalidated. Samples cannot be recollected, nor retested for the flow week.	Low CBOD GGAC recoveries have been occurring seasonally for a number of years. The LRWRA lab staff is in the process of performing a troubleshooting test to isolate variables and determine the source of the seasonal low recoveries. We will be changing one variable at a time to see if recoveries improve. The first variables to be explored are: GGA source, seed source, analyst, and nitrification inhibitor.	2023-07 2023-09

\*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 Water Reclamation Authority (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.



Signature of Principal Executive Officer or Authorized Agent



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