

NPDES Permit No. AR0033723
City of El Dorado – South Plant
010S Outfall
Non-Compliance Report
November 2022

All parameters sampled at Outfall 010S were within permit limits except for the following:

Outfall	Parameter	Date	Permit Limit	Sample Result
010S	Total Suspended Solids (TSS)	11/14/2022	Daily Maximum 45 mg/L	50 mg/L

The City of El Dorado – South Plant is typically not operated during a weekend. The WWTF is shut down on Friday and restarted on the following Monday.

On Friday, November 11th, the wastewater operator turned the switch in the control room to shut down the facility for the weekend. This switch turns off the power to the DAF unit chemical feed pump and lift pumps located between the last treatment lagoon and the DAF units. Due to a relay failure, the lift pumps did not shut down when the system was switched off. The pumps operated through the weekend and the matter did not become known to City of El Dorado personnel until Monday, November 14th. With the chemical feed pumps shut down, the DAF unit could not operate as intended causing elevated total suspended solids concentration on November 14th. The TSS concentration was within permit limits the next day.

Also, samples were not collected on November 12th or 13th since City of El Dorado personnel was unaware that the WWTF was discharging. The relay has been repaired and additional measures have been put in place to ensure that the power to the pumps is cutoff when the system is shutdown for the weekend.