

NPDES Permit No. AR0000752
El Dorado Chemical Company
Outfall 010 Non-Compliance Report
January 2024

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

Parameter	Date	Permit Limit	Sample Result
Nitrogen, ammonia total [as N] Daily Maximum	1/24/24	605 lbs./day	680.14 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	1/25/24	605 lbs./day	713.08 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	1/30/24	605 lbs./day	1011.51 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	1/31/24	605 lbs./day	1011.85 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	1/1/24-1/31-24	265.2 lbs./day	547.43 lbs./day
Nitrogen, nitrate total [as N] Monthly Average	1/1/24-1/31/24	581.3 lbs./day	749.71 lbs./day

El Dorado Chemical Company has been implementing additional measures to limit wastewater discharges following the receipt of the August 4, 2023 "Interim Measures" letter and the September 15, 2023 Corrective Action Plan. For a short-term solution, El Dorado Chemical Company has permitted a temporary cooling tower to operate as an ammonia stripper to remove ammonia from Lake Lee, this is a point upstream that directly discharges to Lake Kildeer. The cooling tower became operational on July 21, 2023. Additionally, EDC is implementing plans to reduce the source load at the facility and long-term treatment solutions. EDC adjusted flows to decrease loadings when the risk of overflowing into the emergency spillway was minimal. EDC ran at a reduced discharge rate on January 1, 2024, and January 11-22, 2024. In doing so, we limited our daily maximum exceedances to four days in January. Due to numerous rain events, Outfall 001 was opened twice during the month. Rain, in excess of 10 inches, resulted in increased concentrations of Nitrates and Ammonia due to the overflow of process Pond 004.