

NPDES Permit No. AR0000752
El Dorado Chemical Company
Outfall 010 Non-Compliance Report
March 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	3/5/24	605 lbs./day	745.28 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/6/24	605 lbs./day	929.10 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/7/24	605 lbs./day	1011.66 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/14/24	605 lbs./day	631.62 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/19/24	605 lbs./day	939.84 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/26/24	605 lbs./day	860.17 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	3/1/24-3/31-24	265.2 lbs./day	705.56 lbs./day
Nitrogen, nitrate total [as N] Monthly Average	3/1/24-3/31/24	581.3 lbs./day	786.71 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 March 1-4, 11-14, 20-23, and 27-31, 2024. In doing so, we limited our daily maximum exceedances to six days in March. Due to numerous rain events, Outfall 001 was utilized during the month of March. These rain events resulted in increased concentrations of Nitrates and Ammonia due to the overflow of process Pond 004.