

NPDES Permit No. AR0000752

El Dorado Chemical Company

Outfall 102ST Non-Compliance Report

February 2024

All parameters sampled for 102ST (sum total outfall for 001+003) exceeded permit limits:

Parameter	Date	Permit Limit	Sample Result
Chloride [as Cl] Daily Maximum	2-5-24/2-10-24	397.5 lbs./ day	2087.75 lbs./day
Chloride [as Cl] Monthly Average	2-5-24/2-10-24	265.0 lbs./day	2087.75 lbs./day
Sulfate, total [as SO4] Daily Maximum	2-5-24/2-10-24	754.5 lbs./day	3314.62 lbs./day
Sulfate, total [as SO4] Monthly Average	2-5-24/2-10-24	503.0 lbs./day	3314.62 lbs./day
Solids, total dissolved Daily Maximum	2-5-24/2-10-24	2007.0 lbs./day	22458.09 lbs./day
Solids, total dissolved Monthly Average	2-5-24/2-10-24	1338.0 lbs./day	22458.09 lbs./day

The concentration limitations for Chlorides (as Cl), Sulfates (as SO₄), and TDS were exceeded during the month of January. These values are representative of the monthly average data for Outfalls 001 and 003. These monthly samples were not collected on the same day. Outfall 003 samples were collected on February 5, 2024, and Outfall 001 samples were collected on February 10, 2024. The two days values were combined to calculate the loading values. Due to numerous rain events and significant rainfall, the level and volume of Lake Kildeer rose significantly. Utilization of Outfall 001 resulted in higher loading for the sum total outfall. Outfall 001 was opened during the month of February in efforts to avoid overflowing into the emergency spillway. Because of the numerous rain events, concentrations of Nitrates and Ammonia have been increasing in Lake Kildeer due to overflow of process Pond 004. EDC is implementing plans to reduce the source load at the facility and long-term treatment solutions.