

# NPDES Permit No. AR0000752

## El Dorado Chemical Company

### Outfall 101ST Non-Compliance Report

March 2024

All parameters sampled for 101ST (sum total outfall for 001+002) exceeded permit limits:

Parameter	Date	Permit Limit	Sample Result
Nitrogen, Nitrate total [as N] Monthly Average	3/9/24-3/22/24	581.3 lbs./day	2707.49 lbs./day
Nitrogen, Nitrate total [as N] Daily Maximum	3/9/24	1568.3 lbs./day	2675.14 lbs./day
Nitrogen, Nitrate total [as N] Daily Maximum	3/15/24	1568.3 lbs./day	6963.13 lbs./day
Nitrogen, Nitrate total [as N] Daily Maximum	3/17/24	1568.3 lbs./day	2966.62 lbs./day
Nitrogen, Nitrate total [as N] Daily Maximum	3/19/24	1568.3 lbs./day	2841.27 lbs./day
Nitrogen, Nitrate total [as N] Daily Maximum	3/20/24	1568.3 lbs./day	2568.25 lbs./day

Due to numerous rain events and significant rainfall, the level and volume of Lake Kildeer and Lake Lee rose significantly. Outfall 002 was utilized when heavy rainfall caused flooding and overflow of the facility's holding pond (Lake Lee). Outfall 001 was utilized during the month of March in efforts to avoid overflowing into the emergency spillway. Overflow into the spillway ultimately could not be avoided but was minimized and limited to three days (March 15<sup>th</sup>- 18<sup>th</sup>). Because of the numerous rain events, concentrations of Nitrates and Ammonia have been increasing in both Lake Lee and 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.