

NPDES Permit No. AR0000752
El Dorado Chemical Company
Outfall 101ST Non-Compliance Report
April 2023

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	4/1/23-4/30/23	581.3 lbs/day	4225.24 lbs/day
Nitrogen, Nitrate total [as N] Daily Maximum	4/7/23	1568.3 lbs/day	4068.25 lbs/day
Nitrogen, Nitrate total [as N] Daily Maximum	4/8/23	1568.3 lbs/day	4746.29 lbs/day
Nitrogen, Nitrate total [as N] Daily Maximum	4/11/23	1568.3 lbs/day	3726.98 lbs/day
Nitrogen, Nitrate total [as N] Daily Maximum	4/12/23	1568.3 lbs/day	5330.09 lbs/day
Nitrogen, Nitrate total [as N] Daily Maximum	4/13/23	1568.3 lbs/day	3254.60 lbs/day

The values reported above are representative of Outfall 001 since there was no discharge from Outfall 002 in the month of April. Due to numerous rain events and significant rainfall, the level and volume of Lake Kildeer rose significantly. To reduce the lake level and stop overflowing into the emergency spillway, Outfall 001 was opened on April 6, 2023. It was then closed on April 14, 2023. Concentrations of Nitrates and Ammonia have been elevated in Lake Kildeer because of the numerous rain events and rising concentrations in the storage lagoon (Pond 004) due to these rainfall events. The site is investigating significant stormwater runoff into Lake Killdeer from the upslope areas surrounding Lake Killdeer that are not inside the production area footprint. Solutions to minimize this influent to Lake Killdeer are being evaluated. Outfall 001 remained closed for the rest of the month.