

NPDES Permit No. AR0000752
El Dorado Chemical Company
Outfall 010 Non-Compliance Report
February 2023

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

Parameter	Date	Permit Limit	Sample Result
Nitrogen, ammonia total [as N] Daily Maximum	2/1/23	605 lbs./day	1110.95 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/2/23	605 lbs./day	1411.36 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/7/23	605 lbs./day	1501.29 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/8/23	605 lbs./day	1456.28 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/9/23	605 lbs./day	1411.50 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/14/23	605 lbs./day	1651.37 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/15/23	605 lbs./day	1651.46 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/16/23	605 lbs./day	1486.32 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/21/23	605 lbs./day	1801.64 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/22/23	605 lbs./day	1486.46 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/23/23	605 lbs./day	1336.11 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	2/28/23	605 lbs./day	1261.08 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	2/21/23	1568.3 lbs./day	1651.50 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	2/22/23	1568.3 lbs./day	1651.62 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	2/23/23	1568.3 lbs./day	1801.50 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	2/28/23	1568.3 lbs./day	1651.42 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	1/1/23-1/31/23	265.2 lbs./day	1463.82 lbs./day
Nitrogen, nitrate total [as N] Monthly Average	1/1/23-1/31/23	581.3 lbs./day	1531.38 lbs./day

Due to the numerous rain events over the last several months, facility has maxed out its ability to reuse and recycle process wastewater streams. This results in elevated NH₃-N and NO₃-N in the storage lagoon. 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. El Dorado Chemical Company has hired consultants that are currently analyzing the water balance for the facility as we work to develop plans to reduce the source load at the facility.