

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

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

<b>Parameter</b>	<b>Date</b>	<b>Permit Limit</b>	<b>Sample Result</b>
Nitrogen, ammonia total [as N] Daily Maximum	4/4/23	605 lbs./day	1818.18 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/5/23	605 lbs./day	2020.18 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/6/23	605 lbs./day	2487.38 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/11/23	605 lbs./day	2653.33 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/12/23	605 lbs./day	2321.53 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/13/23	605 lbs./day	2155.83 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/18/23	605 lbs./day	1967.62 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/19/23	605 lbs./day	2155.73 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/20/23	605 lbs./day	1816.19 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/25/23	605 lbs./day	1506.35 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/26/23	605 lbs./day	1662.46 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	4/27/23	605 lbs./day	1824.13 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/4/23	1568.3 lbs./day	1818.18 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/5/23	1568.3 lbs./day	2020.18 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/6/23	1568.3 lbs./day	2321.56 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/11/23	1568.3 lbs./day	2984.99 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/12/23	1568.3 lbs./day	2487.35 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/13/23	1568.3 lbs./day	2321.66 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/18/23	1568.3 lbs./day	1967.62 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/19/23	1568.3 lbs./day	2155.73 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/20/23	1568.3 lbs./day	2146.41 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/25/23	1568.3 lbs./day	1643.29 lbs./day

Parameter	Date	Permit Limit	Sample Result
Nitrogen, nitrate total [as N] Daily Maximum	4/26/23	1568.3 lbs./day	2115.86 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	4/27/23	1568.3 lbs./day	2321.62 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	4/1/23-4/30/23	265.2 lbs./day	2032.41 lbs./day
Nitrogen, nitrate total [as N] Monthly Average	4/1/23-4/30/23	581.3 lbs./day	2192.04 lbs./day

Due to the numerous rain events over the last several months, the facility has maxed out its ability to reuse and recycle process wastewater streams. This results in elevated NH<sub>3</sub>-N and NO<sub>3</sub>-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. 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 Killdeer. Additionally, EDC is working to develop plans to reduce the source load at the facility and long term treatment solutions.