

**NPDES Permit No. AR0000752**  
**El Dorado Chemical Company**  
**Outfall 010 Non-Compliance Report**  
**June 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	6/1/23	605 lbs./day	1843.54 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/6/23	605 lbs./day	1818.98 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/7/23	605 lbs./day	2204.46 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/8/23	605 lbs./day	2029.28 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/13/23	605 lbs./day	2172.60 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/14/23	605 lbs./day	1856.85 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/15/23	605 lbs./day	1806.65 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/20/23	605 lbs./day	1896.42 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/21/23	605 lbs./day	1750.86 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/22/23	605 lbs./day	1751.27 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/27/23	605 lbs./day	2043.07 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/28/23	605 lbs./day	1896.84 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	6/29/23	605 lbs./day	1750.78 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/1/23	1568.3 lbs./day	2150.80 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/6/23	1568.3 lbs./day	1970.56 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/7/23	1568.3 lbs./day	2047.00 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/8/23	1568.3 lbs./day	1873.18 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/13/23	1568.3 lbs./day	1862.23 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/14/23	1568.3 lbs./day	1856.85 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/15/23	1568.3 lbs./day	1806.65 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/20/23	1568.3 lbs./day	1750.54 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/21/23	1568.3 lbs./day	1896.77 lbs./day

<b>Parameter</b>	<b>Date</b>	<b>Permit Limit</b>	<b>Sample Result</b>
Nitrogen, nitrate total [as N] Daily Maximum	6/22/23	1568.3 lbs./day	1897.20 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/27/23	1568.3 lbs./day	1751.20 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/28/23	1568.3 lbs./day	1750.93 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	6/29/23	1568.3 lbs./day	1750.78 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	6/1/23-6/30/23	265.2 lbs./day	1909.35 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	6/1/23-6/30/23	581.3 lbs./day	1874.21 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. The cooling tower will be operational in July. Additionally, EDC is working to develop plans to reduce the source load at the facility and long term treatment solutions.