

**NPDES Permit No. AR0000752**  
**El Dorado Chemical Company**  
**Outfall 010 Non-Compliance Report**  
**March 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	3/1/23	605 lbs./day	1268.78 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/2/23	605 lbs./day	1496.87 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/7/23	605 lbs./day	1735.53 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/8/23	605 lbs./day	1741.13 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/9/23	605 lbs./day	1621.61 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/14/23	605 lbs./day	1635.99 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/15/23	605 lbs./day	1770.88 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/16/23	605 lbs./day	1906.50 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/21/23	605 lbs./day	1773.14 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/22/23	605 lbs./day	1580.49 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/23/23	605 lbs./day	1781.42 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/28/23	605 lbs./day	1364.18 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/29/23	605 lbs./day	1505.65 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	3/30/23	605 lbs./day	1497.95 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/7/23	1568.3 lbs./day	1735.53 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/8/23	1568.3 lbs./day	1616.76 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/9/23	1568.3 lbs./day	1621.61 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/14/23	1568.3 lbs./day	1772.32 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/15/23	1568.3 lbs./day	2043.32 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/16/23	1568.3 lbs./day	1906.50 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/21/23	1568.3 lbs./day	1636.74 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/22/23	1568.3 lbs./day	1580.49 lbs./day

Parameter	Date	Permit Limit	Sample Result
Nitrogen, nitrate total [as N] Daily Maximum	3/23/23	1568.3 lbs./day	1781.42 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/28/23	1568.3 lbs./day	1773.44 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/29/23	1568.3 lbs./day	1779.41 lbs./day
Nitrogen, nitrate total [as N] Daily Maximum	3/30/23	1568.3 lbs./day	1906.48 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	1/1/23-1/31/23	265.2 lbs./day	1620.01 lbs./day
Nitrogen, nitrate total [as N] Monthly Average	1/1/23-1/31/23	581.3 lbs./day	1695.50 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. 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.