

**NPDES Permit No. AR0000752**  
**El Dorado Chemical Company**  
**Outfall 001 Non-Compliance Report**  
**January 2024**

All parameters sampled at 001 were within permit limits except for the following:

Parameter	Date	Permit Limit	Sample Result
Solids, total dissolved Daily Maximum	1/10/24	356.0 mg/l	560.0 mg/l
Solids, total dissolved Monthly Average	1/10/24	237.0 mg/l	560.0 mg/l
Chlorides (as Cl) Monthly Average	1/10/24	38.0 mg/l	54.0 mg/l
Sulfates (as SO4) Monthly Average	1/10/24	81.0 mg/l	96.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/10/24	18.0 mg/l	33.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/11/24	18.0 mg/l	37.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/12/24	18.0 mg/l	36.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/24/24	18.0 mg/l	43.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/25/24	18.0 mg/l	50.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/26/24	18.0 mg/l	56.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/28/24	18.0 mg/l	59.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	1/29/24	18.0 mg/l	62.0 mg/l
Nitrogen, ammonia total [as N] Monthly Average	1/10/24-1/29/24	12.0 mg/l	47.0 mg/l

Due to numerous rain events and significant rainfall, the level and volume of Lake Kildeer rose significantly. In efforts to avoid overflowing into the emergency spillway, Outfall 001 was opened on January 8, 2024. It was then closed on January 12, 2024, when the lake level was favorable. The site received several large rain events later in the month as well. Once again, in efforts to prevent overflowing into the emergency spillway, Outfall 001 was opened on January 23, 2024. Overflow into the spillway was not avoided (overflowed on January 24<sup>th</sup>) but was minimized and limited to one day. Outfall 001 was closed again on January 29, 2024, when the lake level was favorable. Because of the numerous rain events, concentrations of Nitrates and Ammonia have been increasing in Lake Kildeer due to overflow of process Pond 004. EDC is implementing plans to reduce the source load at the facility and long-term treatment solutions.