

**NPDES Permit No. AR0000752**  
**El Dorado Chemical Company**  
**Outfall 001 Non-Compliance Report**  
**February 2023**

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

Parameter	Date	Permit Limit	Sample Result
Solids, total dissolved Daily Maximum	02/01/23	356.0 mg/l	690.0 mg/l
Solids, total dissolved Monthly Average	02/01/23-02/09/23	237.0 mg/l	690.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	02/01/23	18.0 mg/l	84.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	02/06/23	18.0 mg/l	79.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	02/07/23	18.0 mg/l	88.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	02/08/23	18.0 mg/l	88.0 mg/l
Nitrogen, ammonia total [as N] Monthly Average	02/01/23-02/09/23	12.0 mg/l	84.75 mg/l
Chloride [as Cl] Monthly Average	02/01/23	38.0 mg/l	45.0 mg/l

Due to numerous rain events and significant rainfall, the level and volume of Lake Kildeer rose significantly. To prevent overflow into the emergency spillway, Outfall 001 was opened on January 3, 2023. It was then closed on January 9, 2023, and reopened on January 27<sup>th</sup> for the remainder of the January, continuing into February, when another significant rain event was forecasted for El Dorado and ultimately resulted in significant rainfall. Concentrations of Nitrates and Ammonia have been elevated in Lake Kildeer because of the numerous rain events and rising concentrations in the storage lagoon (Pond 004) due to these rainfall events. 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. Outfall 001 is now closed as of February 9, 2023.