

NPDES Permit No. AR0000752
El Dorado Chemical Company
Outfall 001 Non-Compliance Report
March 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	3/11/24	356.0 mg/l	630.0 mg/l
Solids, total dissolved Monthly Average	3/11/24	237.0 mg/l	630.0 mg/l
Chlorides (as Cl) Monthly Average	3/11/24	38.0 mg/l	49.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/9/24	18.0 mg/l	55.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/11/24	18.0 mg/l	56.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/12/24	18.0 mg/l	62.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/13/24	18.0 mg/l	66.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/17/24	18.0 mg/l	65.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/19/24	18.0 mg/l	61.0 mg/l
Nitrogen, ammonia total [as N] Daily Maximum	3/20/24	18.0 mg/l	37.0 mg/l
Nitrogen, ammonia total [as N] Monthly Average	3/8/24-3/22/24	12.0 mg/l	57.43 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 March 8, 2024. On March 15, a heavy rainfall event occurred producing over 7 inches of rain in four hours. The emergency spillway was breached and outfall 001 remained open until the threat of overflowing was diminished. It was closed on March 22, 2024, when the lake level was favorable. Outfall 001 remained closed for the remainder of the month. 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.