

NPDES Permit No. AR0000752
El Dorado Chemical Company
Outfall 010 Non-Compliance Report
December 2022

All parameters sampled at 010 were within permit limits except for the following:

Parameter	Date	Permit Limit	Sample Result
Nitrogen, ammonia total [as N] Daily Maximum	12/20/22	605 lbs./day	655.01 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	12/21/22	605 lbs./day	639.32 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	12/27/22	605 lbs./day	791.49 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	12/28/22	605 lbs./day	744.92 lbs./day
Nitrogen, ammonia total [as N] Daily Maximum	12/29/22	605 lbs./day	908.11 lbs./day
Nitrogen, ammonia total [as N] Monthly Average	12/1/22-12/31/22	265.2 lbs./day	602.51 lbs./day
Nitrogen, nitrate total [as N] Monthly Average	12/1/22-12/31/22	581.3 lbs./day	743.26 lbs./day

Concentration limitations for Ammonia-Nitrogen (NH₃-N) monthly average exceeded our permit by 127%. Concentration limitations for Nitrate-Nitrogen (NO₃-N) monthly average exceeded our permit by 28%. The concentration limitations for Ammonia-Nitrogen (NH₃-N) daily maximum were exceeded five times during the month of December. Due to the numerous rain events, the amount of NH₃-N and NO₃-N in our storage lagoon has elevated. In order to manage our lagoon levels, it will take time for the elevated concentrations to decrease. 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. Also, in order to prevent overflow into the emergency spillway, we increased our discharge through Outfall 010. This led to higher mass loadings in the effluent discharge.

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