

Richard Healey (adpce.ad)

From: Charles McDowell <CMcDowell@lsbindustries.com>
Sent: Wednesday, February 1, 2023 12:19 PM
To: Richard Healey (adpce.ad); Michael Young (adpce.ad)
Cc: Derek Turner; Keith Long
Subject: Upset Condition (El Dorado Chemical Company AR0000752)

Since July, El Dorado Chemical has been actively managing its discharges from Outfall 010, i.e., from Lake Killdeer, to be in compliance with Outfall 010 compliance parameters. Due to high rainfall and choosing to limit discharge volume through Outfall 010 the water level in Lake Killdeer was not able to be reduced as much as normal during the late summer months.

Over the last week we have received 5.6 Inches of precipitation with 3.1 inches in the last 3 days. The rainfall results in increased volume of Lake Killdeer from the plant footprint which all drains into Lake Killdeer, drainage from owned property outside the plant drainage system, and from non-owned off plant property. This rainfall coupled with the already high levels at Lake Killdeer caused the water depth to exceed the spillway height. Based upon electronic monitoring, the upset condition occurred at 4:59 on the 31st and stopped at 3:29 am on the 1st. This was verified at 8:53 AM this morning.

To proactively reduce the Lake Killdeer water levels, El Dorado Chemical opened Outfall 001 on January 27th in addition to maximizing the discharge from Outfall 010. Currently, Killdeer has 0.09 ft of freeboard. We are expecting an additional 1.2 inches of precipitation over today and tomorrow. Possibilities of discharging over the spillway will remain open.

Since October, El Dorado Chemical has been working with Barr Engineering and Lanmark Engineering Services to develop a plans to reduce the volume of water being sent to Lake Killdeer in addition to working on ways to reduce the loading of the Nitrates and Ammonia in the wastewater. As we develop this corrective action plan we will continue to keep ADEQ informed.

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