Summary of Arlanxeo Spill Response (updated 2023)

At the Butyl facility, all site process water and storm water are sent for treatment at the BIOX Unit. The Butyl Unit operates a closed loop cooling water system. The water is cooled in evaporation towers and recirculated to the unit's heat exchangers.

A system of alarm detection equipment is installed both at the Butyl plant and at the river. In the event of a BIOX upset, spill or leak, alarms will alert operations. to off-spec water entering the BIOX Unit, off-spec water may be diverted to storage until the water can be processed in a manner that will not upset the BIOX process. Monitoring is present at several locations allowing for early detection and mitigation of potential upset conditions.

The storm water from non-process areas is collected within a hold-up (surge) pond. Under normal operation, it is treated at the BIOX Unit. During significant rainfall events, the surge pond is on occasion released to the Cole Drain. It is tested before and during release to ensure no potential environmental impact.

At the BioIndustrial Park, the two main storm water outfalls owned by ARLANXEO drain to the river. These two outfalls also discharge once through cooling water from Diamond Petrochemicals Canada Corporation (DPCC), Origin Materials, and future tenants present at the Bio-Industrial Park. The combined discharges are continuously analyzed as they enter the river.

The third main outfall is a combined discharge of the BIOX Unit and the Cole/Cut-off drain, a storm water drain incorporated by the municipality. The Cole Drain services public lands and is used by other facilities. The combined Cole Drain / BIOX discharge is also continuously analyzed by Arlanxeo.

In the event of a spill to the river, ARLANXEO will analyze samples taken from the river at the SLEA monitoring site, since the SLEA monitor is unable to analyze for ARLANXEO materials