**Plain Language Summary**

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application*.

ALTIVIA Oxide Chemicals (CN605783661) operates the ALTIVIA Oxide Chemicals Crosby Facility (RN101613511), a combined chemical production and storage location that offers a wide range of specialty chemical products to its customers. The ALTIVIA site includes: Batch reactors • Distillation columns • Storage tanks • Truck and rail loading facilities • Boilers/Heaters • Cooling Towers and Emission Control Systems. The facility is located at 16600 Ramsey Road, at the intersection with Crosby-Dayton Road, 1.2 miles northeast of the City of Crosby, Harris County, Texas, in Crosby, Harris County, Texas 77532.

This application is for a renewal to discharge treated process wastewater, treated domestic wastewater, boiler blowdown, cooling tower blowdown, and stormwater as a combined discharge of treated water at a daily average flow not to exceed 210,000 gallons per day via Outfall 001. The application also seeks the renewal of untreated stormwater on an intermittent and flow variable basis via Outfall 002, 003 & 004. Cooling water and boiler make-up water are supplied by onsite wells and Crosby Municipal Utility District. The City of Crosby Municipal Water Plant (CN600651970, PWS 1010118) supplies the facility’s potable water and serves as an alternate source of make-up water. Low volume wastewater from blowdown of boilers receive treatment prior to discharge via Outfall 001. Plant containment pads and equipment drains as well as stormwater runoff from diked storage areas, yards, and storm drains are routed through treatment prior to discharge via Outfall 001. Domestic wastewater is routed to the Biological Treatment Unit and discharged as a component of Outfall 001. All Outfalls combine to a common conveyance and eventually discharges to Jackson Bayou.

The discharge of water via Outfall from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also monitored from these discharges. Additional pollutants that are currently monitored include carbonaceous biochemical oxygen demand, total suspended solids, total organic carbon, ammonia nitrogen, total phenols, total copper, total zinc, total phosphorus, e. coli, volatile organics and semi-volatile organics.