

Case Study #04

- Client Category:** Petrochemical Plant
- Location:** Houston, Texas, USA
- Physical Plant:** Wastewater treatment plant
- Flow:** 200,000 GPD (gallons per day)
- Problem:** Ammonia influent levels average of 10 mg/L with spikes up to 42 mg/L. The MCL (maximum contamination limit) for this location is 20 mg/L.
- Previous Treatment:** The client was using a competitors biological product and decided to switch products due to significant cost savings. Previous treatment was successful with average ammonia effluent levels of 2 mg/L.
- Custom Treatment:** **Custom HC** was injected once per day at a rate of 1-3 gallons per day depending on water flow and ammonia influent.
- Custom Results:** The monthly average ammonia effluent went from 2.0 mg/L using the competitors product to < 1.0 using **Custom HC**.