

# Chemical Processing Facility Reduces Annual Chemical Costs and Eliminates Hydrogen Sulfide from Wastewater with ChemTreat Solution

A chemical processing facility in the Southern US generates process wastewater with high levels of hydrogen sulfide ( $\text{H}_2\text{S}$ ). The disposal site where this water is transported requires 0 ppm  $\text{H}_2\text{S}$  in the wastewater, imposing severe financial penalties on facilities that do not comply with this requirement.

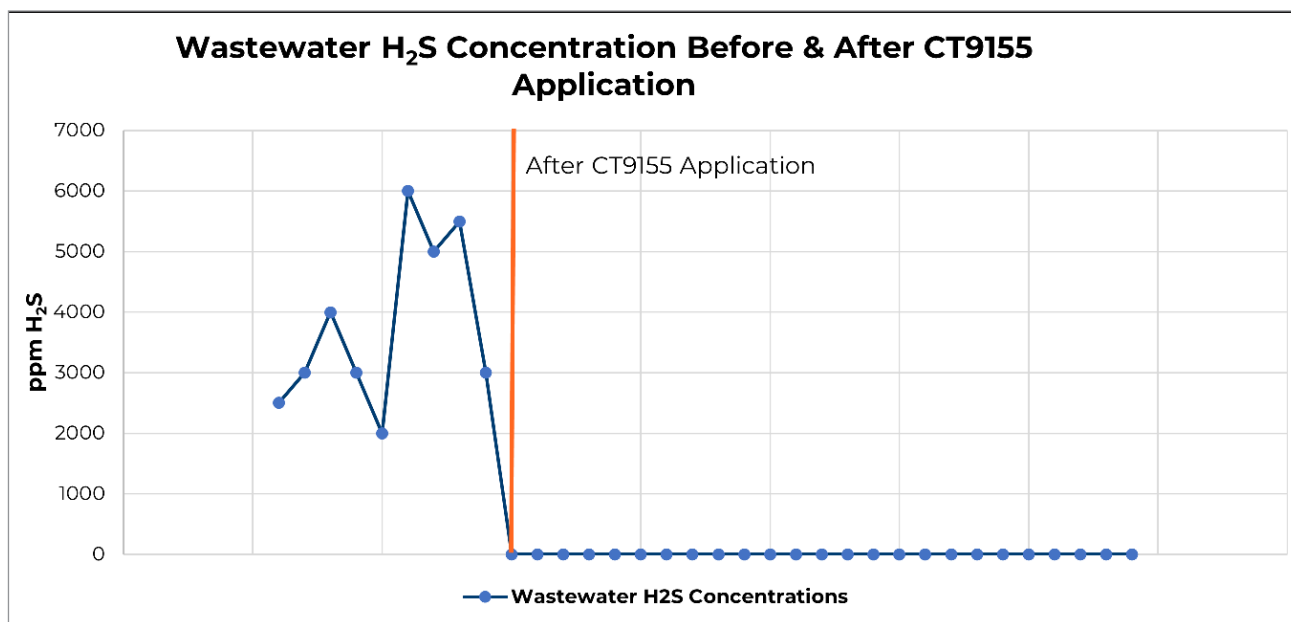
## Solution

After consulting with ChemTreat's experienced refining team, the facility decided to implement our H<sub>2</sub>S treatment product CT9155.

This product was selected because, unlike traditional scavengers, it rapidly reacts with  $\text{H}_2\text{S}$  to form a water-soluble salt that carries with the water phase. This product promotes an irreversible reaction, removing  $\text{H}_2\text{S}^*$ .

Prior to implementing CT9155, the facility's wastewater contained 2,500–6,000 ppm of H<sub>2</sub>S in each shipment to the disposal facility. After applying this technology, H<sub>2</sub>S was eliminated from the wastewater, enabling the plant to dispose of it without incurring additional fees.

The amount of treatment chemical was reduced by 40% after the product switch, resulting in estimated savings of \$100,000 per year.



Processes and condition changes may impact product performance.

Results are examples only. They are not guaranteed. Actual results may vary.