

## ***CASE STUDY – Wastewater Treatment Plant (WWTP)***

**Issue:** A new WWTP lift station (wet well) was built in an established residential neighbourhood. Up to 30ppm hydrogen sulphide (H<sub>2</sub>S), a colourless, harmful and toxic gas (that is only initially pungent and detectable by humans) was detected and residential odour complaints mounted. Stacks, carbon filtration, liquid scrubbers technologies &/or chemical odour abatement supplies proved to be ineffective, too expensive nor sustainable in the long term.

**Solution:** Complaints ended once Odorox® technology (MVP14s) were installed and hydroxyl radicals forced into the well.

**Outcome:** The units have relatively low purchase and start-up costs while operating with very low energy consumption and low maintenance needs and so met local budgets. Units now being installed in satellite plants throughout the water treatment region.

