

Case Story – Odor Control in Dubai



In Dubai, UAE, there are many houses in newly developed areas with sewage connections direct to the main sewage line. These main sewage lines contain high levels of H₂S due to the heat and the fact that the sewage travel long time in the system before reaching the STP's.

The high level of H₂S gives bad smell in the houses. In certain areas the smell is really bad and the odor is spreading in the houses, which is inconvenient for the ones living there. Dubai Municipality receives many complaints for this issue and has tried to solve the issue by installing p-traps between the house connection and the main sewage line. A solution with a half moon plate has also been tried. Both solutions resulted in extra maintenance by periodic cleaning and on top of that the two solutions were not solving the issue. Dubai Municipality had both unhappy clients and got an increased workload due to the extra maintenance.

Dubai Municipality was looking for a solution that solved the smelling problem and at the same time did not cause extra maintenance.

The solution was to install WaStop valves in the manholes in front of the houses with the smelling problem. The fact that the WaStop valves sealed the line from bad smell going backwards in the sewage system and the self-cleaning mode of the product, solved the situation for Dubai Municipality.

During the first six months of 2014, about 50 units of 6" WaStop valves have been involved in various manholes in Dubai. All installations have worked out well, solving the smelling issue and no maintenance has been required. Dubai Municipality plans to upgrade the whole sewage system the coming years with WaStop valves when there is an odor issue.