



Bio-Organic Catalyst Sewer Odor Control

Attleboro, Ma

City of Attleboro, Massachusetts was suffering from elevated H₂S gases from a junction siphon that was causing neighborhood odor complaints, along with long term corrosion concerns to the municipality. CDM Smith, a global engineering firm, requested Bio-Organic Catalyst to evaluate and recommend a solution. In conjunction with the client, an upstream location was identified where EcoCatalyst® could be injected on a constant basis to mitigate the evolution of H₂S gases from the sewage water 3 miles downstream.

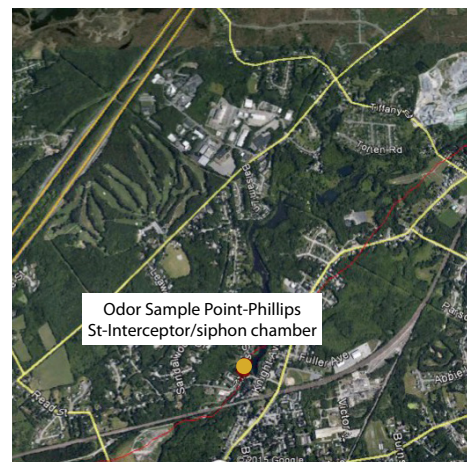
Attleboro, Ma, Collection System H₂S Odor Control/FOG Reduction Program

- The BOC injection point is 15,800 Feet, 3 miles (4.82 Kilometers) upstream at the end of Grant St, into 42" gravity main flowing to an interceptor/siphon chamber located at Phillips St.
- The flow rate is ~ 3.5 MGD. H₂S Odor coming from interceptor/siphon chamber was reduced from 50 ppm to less than 4 ppm on average.
- They have eliminated community odor complaints since August of 2014. The accumulation of FOG's has been eliminated.

The City of Attleboro municipal wastewater operators have reported that, as represented in the chart, H₂S readings have dropped significantly, resulting in minimal readings at the junction siphon location. They have been able to, at a relatively low cost, solve their odor and corrosion issues.



Sewer Odor Control Shed



Attleboro, MA
H₂S Odor Control/FOG Reduction Program



Capacity 5 drums



The BOC line exits through the floor inside a piece of insulated 6" SDR35 sewer pipe, then after it is below frost level we transition into a 1-1/4" polyethylene pipe that we ran into the manhole.

Equipment Set Up



Electrical/Pump Set up



Storage Shed Heater

Attleboro Collection System: Results From BOC H₂S Odor Control/FOG Reduction Program

