

SOUTH WEST WATER

CASE STUDY.



How using Foamstream as an all-round solution to solve weed, moss and algae issues on wastewater filter beds can lead to cost reductions for water companies.

Client: South West Water, Devon.

Sector: Utilities – water and waste water site.

Background: South West Water operates in Southwest England and is the only water supplier in the region.

No of machines: 1 MW-Series.

Areas treated: Percolating filter beds, hard surfaces, walkways.

Previous methods used: Hand weeding.

Website: <https://www.southwestwater.co.uk/>

BACKGROUND

South West Water provide reliable, efficient and high-quality drinking water and waste water services throughout Cornwall and Devon and in small areas of Dorset and Somerset for a population of c. 1.7 million. It employs over 1300 people.

South West Water is the only water supplier in the region and as a result have a very strict system of regulation in place to safeguard the best interests of its customers and the environment. South West Water's use of filter beds is vital to their method of the biological sewage treatment process.

TESTIMONIAL

"Foamstream ticks so many boxes for us. Everything from the environmentally friendly credentials and improving health and safety for our workforce through to cost and time savings by reducing the number of treatment cycles needed and the efficiency of application."

Lewis Jones - Future Quality Obligations & R&D Manager, South West Water.

PROBLEM

1. Filter beds overgrow with moss if left untreated or dealt with poorly, leading to decreased performance from the percolating filter beds.
2. Traditional herbicides are not an effective option when cleaning the filter beds due to contaminating water courses.
3. Manual labour is time intensive, costly and ineffective long term – therefore they needed a solution to ensure a longer lifespan for their assets and better long-term functionality.
4. The solution needed to be safe to use around people and waterways.

ACTION

South West Water decided they needed a product that could allow them to become more effective when dealing with build-up of moss and fungi in their filter beds and chose to implement Foamstream on their site in Chacewater, WTW, Cornwall.

RESULTS AND CONCLUSION

Foamstream provided South West Water with the environmentally friendly solution that they were looking for to help control weed growth on their percolating filter beds. Something that was previously done by time intensive and costly manual labour. Denitrification filters traditionally were very difficult to maintain with the moss growth that prevailed. Manual methods were ineffective but Foamstream has allowed South West Water to tackle this problem simply and effectively.

RESULTS AND CONCLUSION (CONT.)

Foamstream was also used to help maintain walkways and surfaces by removing moss and algae which has helped eliminate slip and trip hazards for both employees and visiting personnel.

By implementing Foamstream, South West Water have found they have removed manual weeding practices, needed to treat filter beds less often and freed-up operator time to allow them to work on other process on the water site.

Overall, Foamstream has had a hugely positive effect to site treatments for South West Water by providing them with a sustainable, effective, environmentally friendly solution which has provided health and safety benefits along with time and cost savings across the business.



BEFORE APPLICATION



AFTER APPLICATION



BEFORE APPLICATION



AFTER APPLICATION