



Client

Gee Dee Ltd

Project

Gas Holder Demolition Waste Treatment & Disposal – Bootle, Liverpool

Scope

Receipt, stabilisation, solidification, and disposal of waste generated from gas holder cleaning and demolition works.

Volume

Waste generated from six gas holders across the Bootle demolition programme.

Highlights

- + Successful treatment and disposal of complex demolition waste streams.
- + Flexible stabilisation approach adapted to changing waste conditions.
- + Full compliance with Waste Acceptance Criteria (WAC) requirements.
- + Positive client feedback leading to further project opportunities in London.

Overview

Augean played a key role in supporting the demolition and cleaning of six gas holders in Bootle, Liverpool, by providing specialist waste treatment and disposal services through its Port Clarence facility.

The project involved the management of waste generated during tank cleaning operations carried out by Gee Dee Ltd. Due to the challenging nature of the material, the waste required stabilisation prior to disposal to ensure compliance with Waste Acceptance Criteria (WAC).

By combining operational flexibility with technical expertise, Augean successfully managed changing waste conditions throughout the project, helping maintain programme continuity while ensuring full environmental compliance.

Operational Delivery

Throughout the project, Augean worked closely with Gee Dee Ltd to provide a reliable and responsive service that aligned with the demands of the demolition programme.

The ability to adapt treatment methods in real time proved critical to maintaining operational efficiency and avoiding unnecessary disruption. Augean's technical capability, combined with the capacity of the Port Clarence facility, ensured the safe and compliant management of complex waste streams generated during the works.

Solution

The waste generated during the gas holder cleaning process presented several treatment challenges throughout the project. Although the material was initially dewatered on-site in Bootle, fluctuating moisture content occasionally prevented the waste from meeting Waste Acceptance Criteria (WAC) following standard treatment.

Dewatered gas holder waste generated during the decontamination and cleaning of the six gas holders was transported to Augean's Port Clarence facility using a combination of filter skips and DISAB tankers, where specialist stabilisation and treatment processes were applied prior to final disposal.

Where the dewatering process had been effective, Augean stabilised the waste using a standard 1:1 mix ratio. In instances where higher moisture content prevented the waste from passing WAC requirements, the treatment process was adjusted to include additional solidification and stabilisation measures using a 1:4 mix ratio.

This flexible approach enabled Augean to respond quickly to varying waste conditions without disrupting project progress, ensuring all material achieved the necessary compliance standards for landfill acceptance.



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Key success factors

- + Augean safely treated and disposed of waste arising from six gas holders as part of the Bootle demolition programme.
- + The team adapted stabilisation and solidification methods in response to changing waste conditions, ensuring compliance was consistently achieved.
- + All waste was processed to meet Waste Acceptance Criteria requirements prior to landfill disposal.
- + Gee Dee Ltd expressed high satisfaction with the service provided by Augean, leading to further collaboration opportunities on future gas holder demolition projects in London.

Conclusion

This project demonstrates Augean's ability to deliver flexible and technically robust waste treatment solutions for complex industrial demolition projects.

By adapting quickly to variable waste conditions and maintaining full regulatory compliance throughout the programme, Augean provided Gee Dee Ltd with a dependable disposal solution that supported efficient project delivery from start to finish.

The success of the Bootle project has since led to further opportunities to support similar gas holder demolition works, reinforcing Augean's reputation as a trusted partner for challenging waste management projects.

