

## Case Study:

### *Flushing Systems—Flushing Drum*



**Site:** Mallow Bridge

**Contract Start Date:** July 2021

**End Client:** Uisce Eireann (nee Irish Water)

**Completion Date:** December 2021

**Contractor:** Glanua



#### **Description:**

We were contacted by Glanua who needed a flushing system for this very shallow covered tank. We put forward the BGU flushing drum system which is ideal for shallow tank applications where there is minimal freeboard and insufficient supply of external flushing water. Unlike a tipping bucket the flushing drum can be installed below top water level so a lack of freeboard, as on this project, did not present a problem. The tank was divided into 6 almost equal widths and a 700 l/m capacity drum installed in each lane. Although the drums can be supplied with a float system, that does not require any power to operate, this system was hydraulically operated. As Water flows into the tank the drum is filled with storm water and held in position by a hydraulically controlled ratchet mechanism, when the tank is empty the ratchet is release and the eccentric drum tips against the back wall and flushes the tank, Each bucket is flushed in sequence to minimise the size of the receiving sump.

**For more information, please contact us:**

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#### **Benefits:**

- Very effective flushing
- No separate wash water supply needed
- Power free option available
- Suitable for very shallow tanks
- No noise
- Suitable for use in hazardous areas in accordance with directive 94/9 EC (ATEX) Zone 1

#### **Project Data:**

Type of Tank:	Rectangular
Length:	12.4m
Width:	7.3m
No. of flushing lanes/ drums:	6
Depth:	4.6
Fall:	1.6-1.8%
Flushing Volume:	700l/m
Drum model:	SST-B11-100