Case Study:

Flushing Systems—VacFlush



Site: Barrow

End Client: United Utilities

Contractor: KMI



The tank and central flushing column during construction

Description:

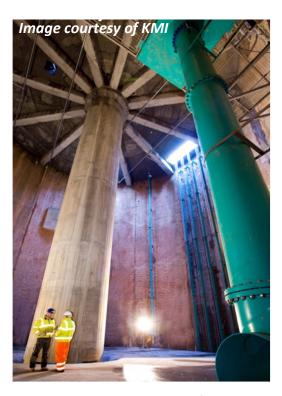
United Utilities (UU) have numerous Vacflush™ tank cleaning systems installed on their storm tanks and the system at Barrow is a good example. The system uses storm water to flush the tank, as water enters the storm tank the vacuum pump starts and draws a head of water into the central flushing column under a vacuum and is held there. Once the tank has emptied the vacuum is released and the tank is flushed radially, washing the accumulated sediment into the peripheral channel.

Benefits:

- No confined space entry required
- Utilises storm water to flush
- · No separate water supply required
- Full flush even after minor spills
- Low power consumption
- Minimal maintenance

Contract Start Date: 2009

Completion Date: 2009



The tank and central column after completion. Note the roof beams are supported on the central column.

Project Data:

Type of Tank:	Deep shaft circular
Diameter:	23m
Depth:	26m
Gradient:	1%

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