

# LOW COST COMPLIANT REMOVAL OF OIL AND WATER FROM BUNDS



**WHAT IS A BUND?**

A SECONDARY CONTAINMENT SYSTEM DESIGNED TO HOLD AT LEAST 110% OF THE CONTENTS OF A LIQUID STORAGE VESSEL

**COMMON PROBLEM?**

BUNDS FILL WITH RAINWATER REDUCING BUND CAPACITY MAKING THEM NON-COMPLIANT

ANY LOSS OF PRODUCT FROM STORAGE VESSEL REDUCES BUND CAPACITY AND CREATES A POLLUTION RISK

WASTE MANAGEMENT COSTS ARE INCURRED TO EMPTY AND DISPOSE OF BUND CONTENTS

**PRINCIPLES OF REGULATIONS INCLUDE:**

- PPG8: SAFE STORAGE AND DISPOSAL OF USED OILS
- PPG2: ABOVE GROUND OIL STORAGE TANKS
- ISO 14002: ENVIRONMENTAL BEST PRACTICE

IN LINE WITH DEFRA CONTROL OF POLLUTION (OIL STORAGE) (ENGLAND) REGULATIONS) 2001

**REQUEST:**

- FAIL SAFE AUTOMATIC PUMPING SYSTEMS THAT MONITOR OIL AND WATER, ONLY PUMPING OUT WATER
- TO DEWATER BUNDS TO ALLOW SPILLS FROM PRIMARY VESSELS TO BE CONTAINED
- MAINTAIN BUND CAPACITY OF 110%



**PRODUCT OVERVIEW**

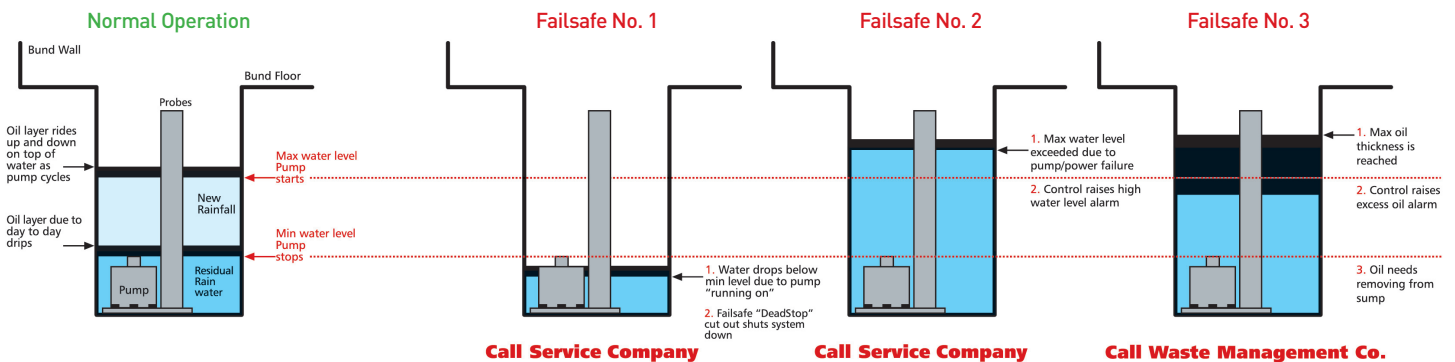
Low maintenance automatic pumping system that constantly monitors the contents of the bund, detects the difference between oil and water and safely pumps the water (rainwater containing less than 5mg of oil per litre) only out of the bund into the surface water drainage system.

When rainwater fills the sump to a pre-determined level the pump automatically operates to remove the water to the set minimum level.

If oil is detected the bund dewatering pumps ceases and an alarm will sound.

If floating oil is present this is automatically pumped from the sump to a recovery tank / IBC. Once the recovery tank is full an alarm will sound notifying that the tank requires emptying

The pump will still automatically remove rainwater.



## OIL STOP

- 1no 230v Water Pump
- 1no Junction Box
- 1no Control Panel
- 1no Float Switch and Probe set
- Patent applied for



Simple oil discriminating pump. Ideal for manned sites

## BUND WATER CONTROL UNIT

- 1no 230V Mains Powered Bund Water Control Unit Panel
- 1no Water Pump and Probe set (c/w 5m Flyleads)
- 1no Junction Box
- 1no 8m length of discharge hose



Control system sends alarm notification. For manned and unmanned sites

## BUND DEWATERING AND OIL RECOVERY SYSTEM

- 1no 230V Mains Powered Bund Water Control Unit Panel
- 1no Water Pump and Probe set (c/w 5m Flyleads)
- 1no Lifting Rope
- 1no Junction Box
- 1no 230v Oil only Pump
- 2no 8m length of discharge hose (1 Water / 1 Oil)
- Anti siphon device
- Pump assembly stand



For problem bunds and leaky storage. Significant reduction in waste disposal costs. Ideal for manned and unmanned sites.

## BENEFITS

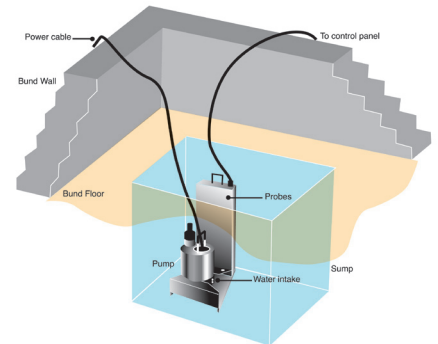
- Safe, dry working environment
- Maintains bund capacity
- Reduce maintenance and management time
- Potential to resell or re-use collected oil
- No civil works required
- Use in hazardous and non-hazardous zones
- Alarm situation relayed from remote locations
- 24/7 automated monitoring and dewatering
- Low maintenance
- Mains powered
- Standard and ATEX approved versions
- Claxon, beacon and GSM alarm notification
- Can be connected to business management systems

A bund containing 1,000 litres of rainwater would incur waste management costs of around £394 every time it needs emptying. Three visits per year would cost around £1,122.

Bund dewatering systems costing from £497 remove rainwater at no cost.

## TYPICAL INSTALLATION AND OPERATION:

Systems pump less than 1ppm meeting discharge levels

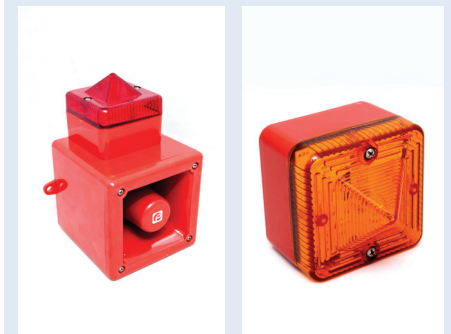


Source UKAS Independent Test House

## ACCESSORIES



GSM alarm notification



Beacon, sounder and installation kit

Beacon and installation kit

INVEST IN A BUND DEWATERING SYSTEM AND SAVE TIME, MONEY, PREVENT POLLUTION AND BE COMPLIANT.

Order now on 01622 715100 or online at [www.bunddewatering.co.uk](http://www.bunddewatering.co.uk)