



CASE STUDY

Bund-Sep® Class 1 above ground Oil/Water Separator

In 2011 the Bund-Sep® was developed specifically to meet the environmental requirement of Substation Transformer bund dewatering.

Since 2000, the intelligent sump pump had been installed on hundreds of Substation sites providing an automatic means of discharging rainwater from the Transformer bund, in many cases without the use of an associated Oil/Water Separator.

Often there was simply insufficient space to install a sustainable underground drainage system and designers used this as mitigating circumstances to discharge direct to surface in remote areas.

Nevertheless the intelligent sump pump alone has never been compliant and development of a true Class 1 Oil/Water Separator (to complement the intelligent sump pump) was undertaken to provide full compliance with Environmental Regulations while maintaining automatic operation.

The first Bund-Sep® systems were installed in 2011 across the Republic of Ireland during a massive retrofit bunding program and to date over 400 units are installed there and UK.

In January 2012 the first Bund-Sep® systems were installed in Australia. At this time Essential Energy of New South Wales were looking for a system which could be used in their Substation Transformer bunds employing a 'Closed Drainage PPS system' arrangement.

The Bund-Sep® system offered everything that was required at a fraction of the cost of other systems available. This meant that many more bunds could be protected under the same budget and achieving far greater Environmental compliance.

The first of the systems installed in NSW were the two at Mulwala, close to the Victoria State border and in an area of outstanding beauty.



