

# O'Reilly Oakstown WWTS SBAF 40-350PE Project Examples

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## **O'Reilly Oakstown**

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### 1.0 Waterside Hotel, Donabate

The Waterside Hotel commissioned O'Reilly Oakstown to design, build and install a Super BAF wastewater treatment system.

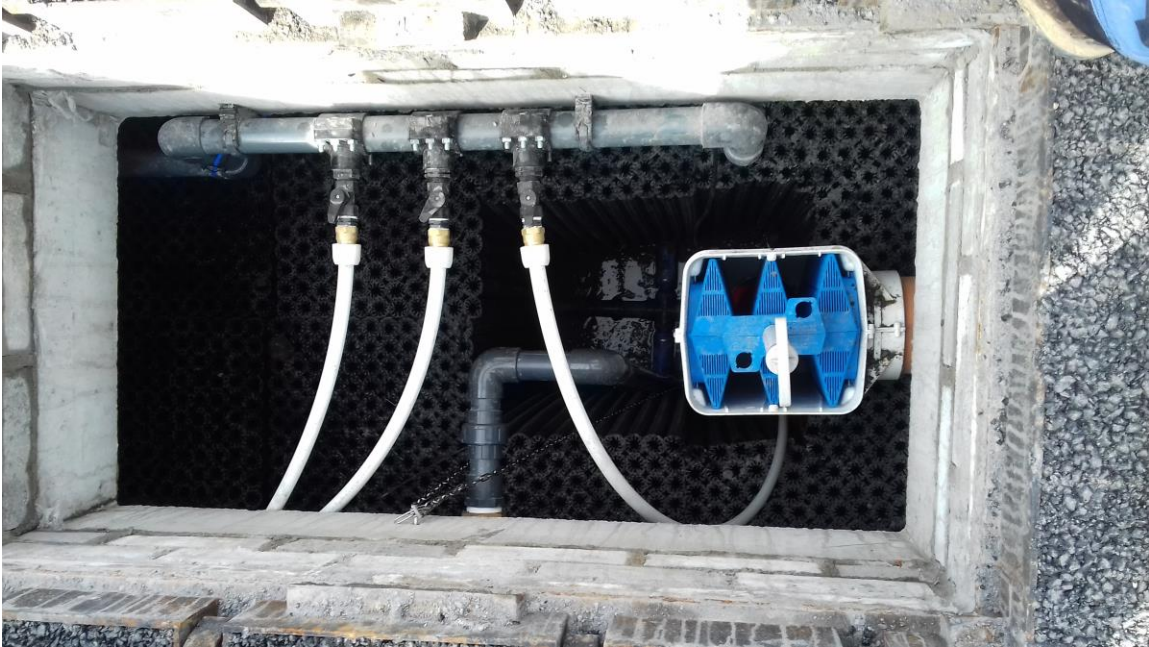
- Hydraulic Load -46m<sup>3</sup>/day
- BOD5 Load- 20kg/day

Total Volume of the WWTS 180m<sup>3</sup>











## 2.0 Lismullin Conference Centre, Navan

The following is the design for the 100 PE Oakstown Super BAF wastewater treatment system for Lismullin Conference Centre, Tara, Navan, County Meath.

Based on the EPA Recommended Wastewater Loading Rates, Table 3 the expected flows are as follows:

Hydraulic Loading 100 persons @ 180 litres/person/day = 18,000 litres/day

Organic Loading 100 persons @ 60 BOD/person/day = 6,000g BOD/day





**Figure 3 Before and After Photo at Lismullen Conference Centre**

### **3.0 Department of Education Clare Galway**

The Department of Education and Skills in Clare Galway commissioned O'Reilly Oakstown to design, build and install a Super BAF 124PE wastewater treatment system.



**Figure 4 Department of Education Clare Galway**



#### **4.0 Rathmore Country House & Holiday Village**

The Rathmore Country House commissioned O'Reilly Oakstown to design and upgrade a Super BAF wastewater treatment system.

- Hydraulic Load -13.5m<sup>3</sup>/day
- BOD5 Load- 5.4kg/day

Total Volume of the WWTS 50m<sup>3</sup>





### **5.0 Univet- manufacturing of veterinary pharmaceuticals**

The Univet commissioned O'Reilly Oakstown to design and upgrade a Super BAF wastewater treatment system.

- Hydraulic Load -4.4m<sup>3</sup>/day
- BOD5 Load- 2.2kg/day
- NH<sub>4</sub>N-366g/day

Total Volume of the WWTS 30m<sup>3</sup>



