

TREATMENT PERFORMANCE RESULTS

O'Reilly Oakstown Environmental Ltd.
Oakstown, Trim, Co. Meath, Ireland

EN 12566-3

Results corresponding to EN 12566-3 and S.R. 66

PIA-SR66-1603-1036

Oakstown BAF System

Submerged aerated fixed film bioreactor

| | | | |
|------------------------------------------|----------------------------|----------|---------|
| Nominal organic daily load | 0.38 kg/d | | |
| Nominal hydraulic daily load | 1.20 m ³ /d | | |
| Material | Concrete | | |
| Watertightness | Pass | | |
| Structural behaviour (Calculation) | Pass (also wet conditions) | | |
| Durability | Pass | | |
| Treatment efficiency (nominal sequences) | Efficiency | Effluent | |
| | COD | 93.0 % | 46 mg/l |
| | BOD ₅ | 97.5 % | 8 mg/l |
| | NH ₄ -N | 61.0 % | 13 mg/l |
| | SS | 96.7 % | 12 mg/l |
| Number of desludging | Not more than once | | |
| Electrical consumption | 2.0 kWh/d | | |

Performance tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

(PIA GmbH)

Hergenrather Weg 30
52074 Aachen, Germany

This document replaces neither the declaration
of performance nor the CE marking.



Notified Body
No.: 1739



Certified according to
ISO 9001:2008

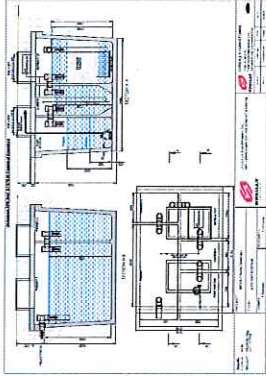
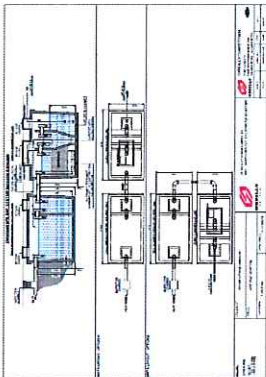
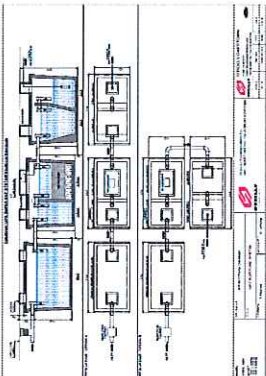


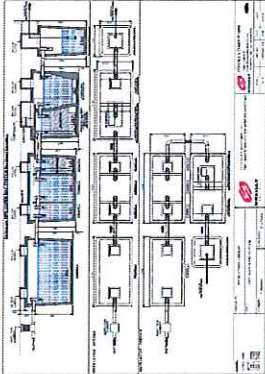
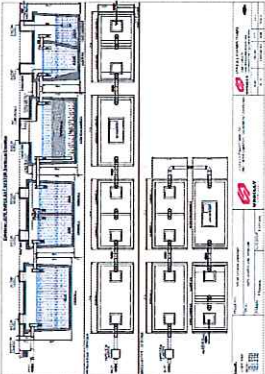
Prüfinstitut für Abwassertechnik GmbH
(Signature)
geprüft - tested - teste

Elmar Lancé

January 2017

Oakstown BAF range and its referring test reports:

| Population equivalent (PE) | Drawing of model of the range | Watertightness (EN 12566-3 Annex A) | Treatment Efficiency (EN 12566-3 Annex B) | Structural Behaviour (EN 12566-3 Annex C) | Durability |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------|
| 6 PE |  | Pass PIA2016-WD-1603-1036.02 | Pass Range conformity according to S.R. 66:2015 | Pass For wet ground conditions also, installation depth 1.50 m from inlet invert | Pass PIA2017-DH-1603-1036.01 |
| Initial Type Test (ITT) 8 PE |  | Pass PIA2012-WD/NC-1209-1059 | Pass PIA2008-094B04 | Pass PIA2009-ST-AT0809-1071 For wet ground conditions also, installation depth 1.50 m from inlet invert | Pass PIA2017-DH-1603-1036.01 |
| 12 |  | Pass PIA2016-WD-1603-1036.01 | Pass Range conformity according to S.R. 66:2015 | Pass For wet ground conditions also, installation depth 1.50 m from inlet invert | Pass PIA2017-DH-1603-1036.01 |

| Population equivalent (PE) | Drawing of model of the range | Watertightness (EN 12566-3 Annex A) | Treatment Efficiency (EN 12566-3 Annex B) | Structural Behaviour (EN 12566-3 Annex C) | Durability |
|----------------------------|------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|
| 16 |  | Pass PIA2016-WD-1603-1036.01 | Pass Range conformity according to S.R. 66:2015 | Pass For wet ground conditions also, installation depth 1.50 m from inlet invert | Pass PIA2017-DH-1603-1036.01 |
| 20 |  | Pass PIA2016-WD-1603-1036.01 | Pass Range conformity according to S.R. 66:2015 | Pass For wet ground conditions also, installation depth 1.50 m from inlet invert | Pass PIA2017-DH-1603-1036.01 |

