

# TREATMENT PERFORMANCE RESULTS

**McGiolla Quarries**  
Crolly, Letterkenny, Ireland

**EN 12566-3**

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

PIA-SR66-1611-1123

**bioTank**

Fluidised bed system

Nominal organic daily load	0.27 kg/d		
Nominal hydraulic daily load	0.90 m <sup>3</sup> /d		
Material	Concrete		
Watertightness	Pass		
Structural behaviour (vertical load test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	90.4 %	72 mg/l
	BOD <sub>5</sub>	93.3 %	20 mg/l
	NH <sub>4</sub> -N	94.6 %	1.5 mg/l
	SS	93.4 %	26 mg/l
Number of desludging	Not more than once		
Electrical consumption	1.3 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

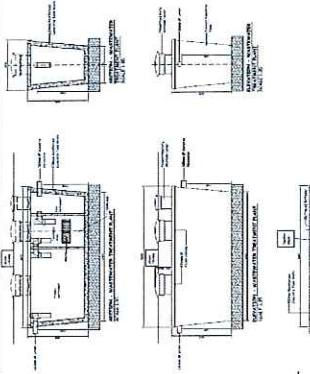


Prüfinstitut für Abwassertechnik GmbH  
*Geprüft - tested - teste*

Elmar Lancé

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Biotank 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
Initial Type Test (ITT)  6 PE		Pass  PIA2014-ST-BT-1310-1072.01	Pass  PIA2016-245B47	Pass  PIA2014-ST-BT-1310-1072.01  For wet ground conditions also, 0.75 m installation depth from inlet invert	Pass  PIA2016-DH-1611-1123.01

