

# TREATMENT PERFORMANCE RESULTS

**Delaney Concrete Ltd.**  
Clonroche, Enniscorthy, Co. Wexford, Ireland

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

PIA-SR66-1602-1015

**Bio-Crete**  
Fixed film treatment system

Nominal organic daily load	0.31 kg/d		
Nominal hydraulic daily load	1.08 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	92.8 %	49 mg/l
	BOD <sub>5</sub>	96.6 %	10 mg/l
	NH <sub>4</sub> -N	89.8 %	14 mg/l
	SS	95.8 %	3.7 mg/l
Number of desludging	Not more than once		
Electrical consumption	1.8 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



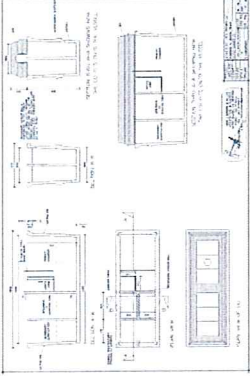
Certified according to  
ISO 9001:2008

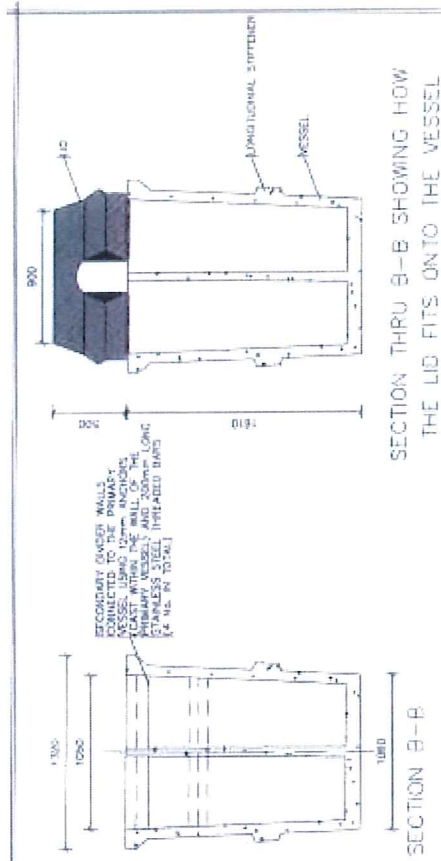


Elmar Lancé

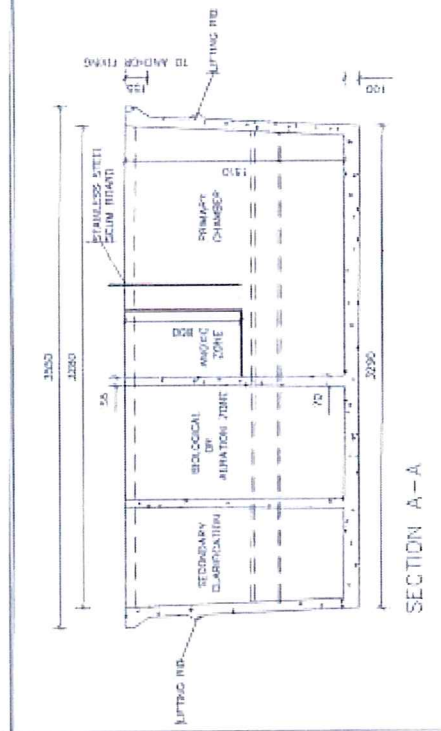
July 2016

Bio-Crete range and its referring test reports:

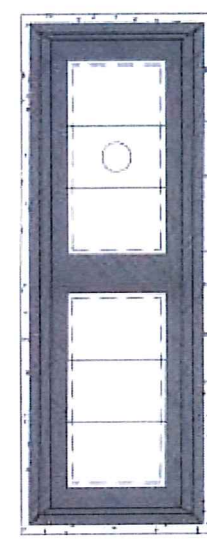
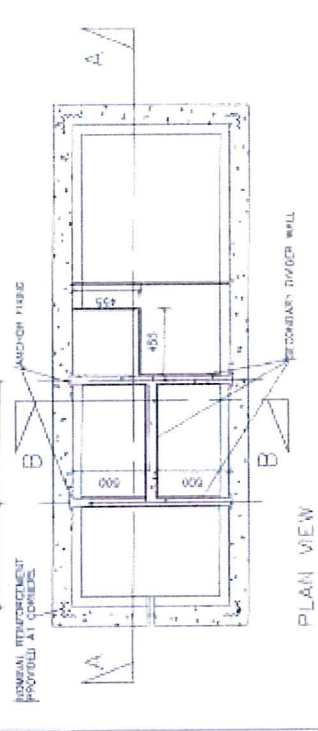
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 7 PE		Pass  PIA2012-WD/NC-1207-1047	Pass  PIA2008-084B21	Pass  PIA2012-ST-BT-0807-1045  For wet ground conditions also, 2.00 m installation depth from inlet invert	Pass  PIA2016-DH-1602-1015.01



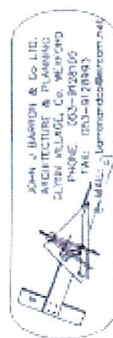
SECTION THRU B-B SHOWING HOW THE LID FITS ONTO THE VESSEL



SECTION THRU A-A SHOWING HOW THE LID FITS ONTO THE VESSEL



PLAN VIEW OF LID



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PROJECT	DETAILS OF 800 - ONE'S TREATMENT UNIT
LOCATION	COMBORG, Co. WEXFORD, IRLAND
CLIENT	WALTON GROUP LTD
DRAWING	WALTON GROUP LTD
DATE	20 / 09 / 08
SCALE	A05: 1:20
DRAWN	P. HINDLE
DATE	20 / 09 / 08