TREATMENT PERFORMANCE RESULTS

PIA-SR66-1704-1038

Harrington Concrete & Quarries
Cloghvoley, Kilkelly, Ireland

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

Hydro Klenze
Biological aerated filter system

Nominal organic daily load (influent)	0.28 kg BOD_5/d		
Nominal hydraulic daily load	0.90 m^3/d		
Material	Concrete		
Watertightness	Pass		
Crushing resistance (calculation)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	90.3 %	63 mg/l
	BOD_5	95.2 %	14 mg/l
	NH_4-N*	84.9 %	5.4 mg/l
	SS	93.3 %	21 mg/l
Electrical consumption	1.8 kWh/d		
Number of desludging	Not more than once		

** determined for temperatures ⩾ 12 ° C in the bioreactor*

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.

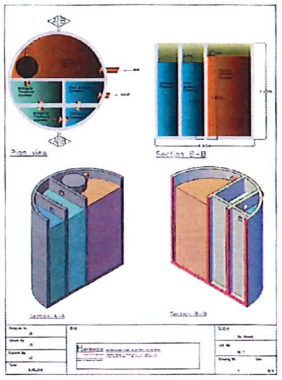
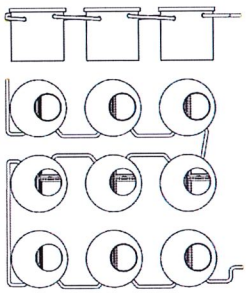
PIA – Sustainable Certification · EN 12566 · NB 1739 · PIA · geprüft · tested · testé

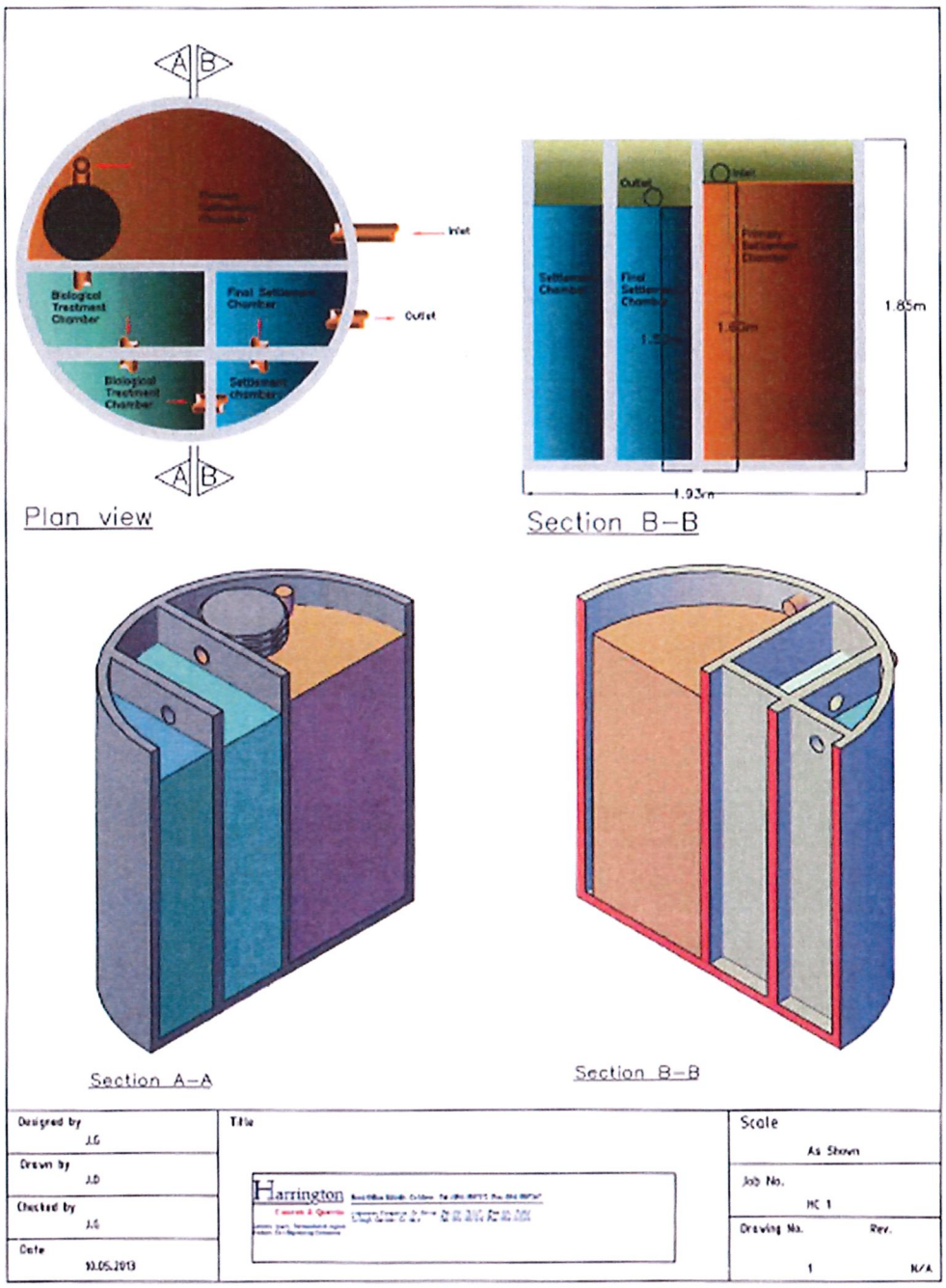
March 2024

Notified Body No.: 1739

Certified according to ISO 9001:2015

Hydro Klenze range and its referring test reports:

Name of the model and/or 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		Pass PIA2014-211B41	Pass PIA2014-211B41	Pass PIA2008-ST-AT0808-1058 For wet ground conditions also, installation depth 0.35 m from inlet invert	Pass PIA2017-DH-1704-1038.01
50		Pass PIA2014-211B41	Pass Range conformity according to S.R.66 checked	Pass PIA2008-ST-AT0808-1058 For wet ground conditions also, installation depth 0.35 m from inlet invert	Pass PIA2017-DH-1704-1038.01


A
B
Inlet
Outlet
Biological Treatment Chamber
Final Settlement Chamber
Biological Treatment Chamber
Settlement chamber
Plan view
Outlet
Inlet
Settlement Chamber
Final Settlement Chamber
Primary Settlement Chamber
1.85m
1.93m
Section B-B
Section A-A
Section B-B
Designed by
J.G
Drawn by
J.D
Checked by
J.G
Date
10.05.2013
Title
Harrington
Scale
As Shown
Job No.
HC 1
Drawing No.
1
Rev.
N/A