

Prüfinstitut für Abwassertechnik GmbH

*Prüfeinrichtung des Prüf- und Entwicklungsinstituts
für Abwassertechnik an der RWTH Aachen*

PIA
Prüfinstitut für
Abwassertechnik
GmbH



DIN EN ISO 9001:2000

**Report on the treatment efficiency test
according to EN 12566-3 of the small
wastewater treatment plant**

BusseMF-HKA 4 P plus

by

Busse Innovative Systeme GmbH

Test report – No PIA2009-100B60P

Aachen, June 2009

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Dipl.-Ing. Elmar Lancé

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1 Introduction

The company

Busse Innovative Systeme GmbH
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Germany

assigned the

Prüfinstitut für Abwassertechnik (PIA GmbH)
Hergenrather Weg 30
52074 Aachen
Germany

to perform a practical evaluation of the treatment efficiency of the BusseMF-HKA 4 P plus – small wastewater treatment plant for 4 PT with a daily hydraulic flow of 0.6 m³/d based on the standard EN 12566-3 Annex B.

The evaluation began on 14th of January 2008, subsequent to a biomass start up period. The test ended on 5th of October 2008.

The PIA GmbH has a certified quality management system according to DIN EN ISO 9001:2000 for the field “testing of wastewater equipment” and is approved by the European Commission as a testing authority “Notified Body” (NB 1739) according to the Construction Products Directive (CPD) for small wastewater treatment systems for up to 50 PT according to EN 12566-1 and EN 12566-3.

The test results contained in this report refer solely to the tested objects. This report may only be reproduced – completely or in parts – if written consent has been given by PIA GmbH.

2 Description of the small wastewater treatment plant BusseMF-HKA 4 P plus

The small wastewater treatment plant BusseMF-HKA 4 P plus is part of a range of systems consisting of three GRP-tanks and two PE-tanks for the P-Elimination. The small wastewater treatment plant is designed for surface installation and for installation in closed frost-free rooms. Hence it does not meet precisely the scope of the standard EN 12566-3 which is specified for small wastewater treatment plants buried in the ground. However for the evaluation of the treatment efficiency the respective parts of the EN 12566-3 can be consulted. According to the EN 12566-3 Annex B requirements, the tested BusseMF-HKA 4 P plus unit is the smallest model of the range. During the test the BusseMF wastewater treatment system was installed and operated in an occasionally heated insulating container.

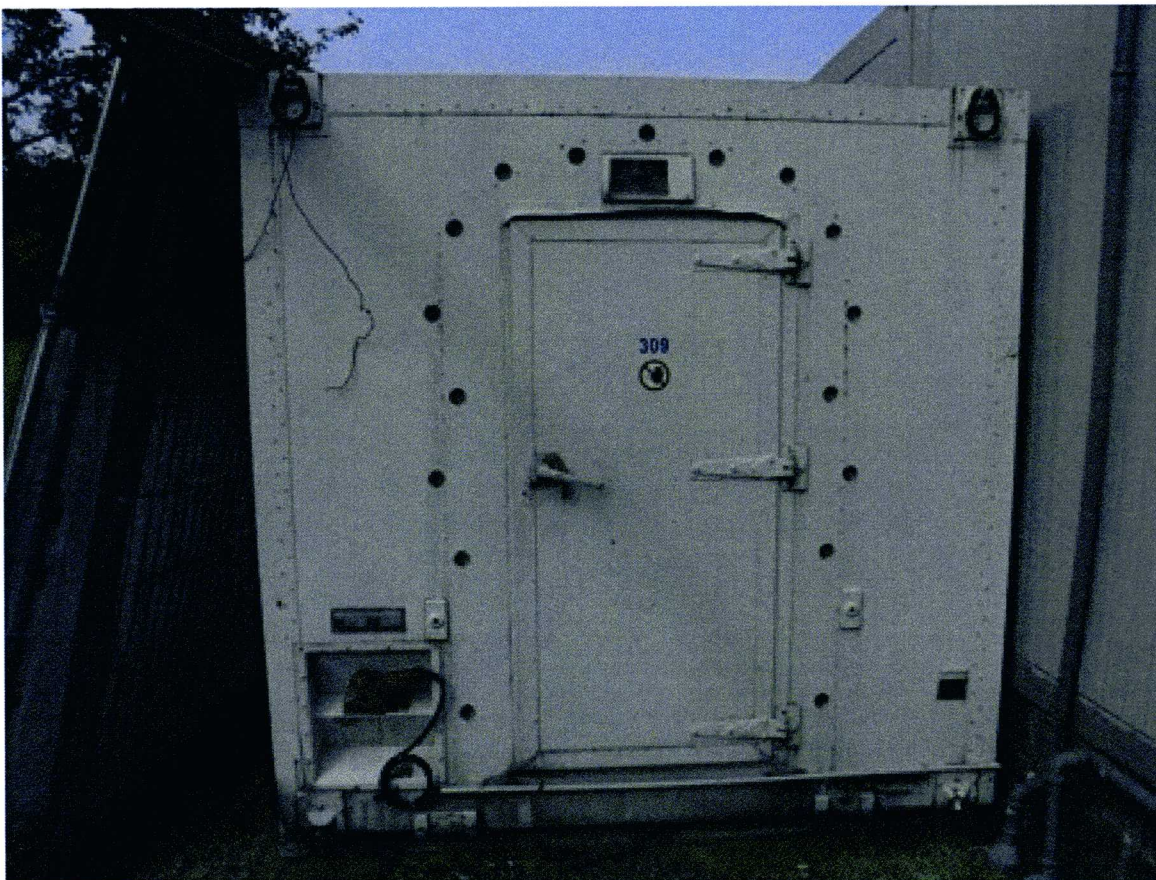


Figure 1: Test-Container

