



DB ECOsystems

COST EFFECTIVE ENVIRONMENTAL SOLUTIONS

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Tiosan

Test Report

Corrie Plumbing Inverness

Introduction

Corrie is a major Heating and Plumbing contractor in the Scottish Highlands. They are part of the Tulloch Group. Corrie has previous experience of using Tiosan and has carried out many successful disinfections for Highlands Council and other organisations using the product.

This trial was carried out at a drug rehabilitation centre, **Beechwater House in Inverness** on 14th April 2005. The trial was conducted on a Cold water storage tanks (CWST) supplying water to the calorifier and cold outlets of the residential accommodation.

The CWST were inspected and cleaned and the system volume calculated and based on this 4 litres of Tiosan (3% of Silver catalysed Hydrogen peroxide) being added to the tank. The chemical was mixed with the water in the tank and the treated water taken to the furthest and then subsequently to all the hot and cold water outlets (including showers) in the building. Each outlet was checked with test strips until it was confirmed that a level of 100ppm hydrogen peroxide had reached each outlet.

At this point the system was left without flushing out.

Samples for TVC, Coliforms and Legionella pneumophila were carried out by Alcontrol Ltd., A UKAS approved laboratory

Results

Legionella

Sample Dates 13/04/05: 18/04/05

Samples received by laboratory 21/04/05

Reported date 03.05/2005

Batch No 0015968:015997

Lab No 01597

Sample from Cold water system Beechwater House Inverness

Method BP50.9 Determination Legionella SP Result **Not detected in either sample**

TVC and Coliforms

Sample taken from cold water tap on 13/04/2005 Batch no 0015969

Method	Determination	Result	Units
BP50.15	Total Coliforms	0	CFU /100ml
BP50.15	Escherichia coli	0	CFU /100ml
BP50.5	Colonies 2 day 37 ⁰ C	0	CFU /ml
BP 50.5	Colonies 3 says at 22 ⁰ C	1	CFU /ml

This disinfection was carried out using Tiosan to the satisfaction of the customer (Beechwater House) and the Contractor (Corrie Plumbing)