OFFICIAL TEST REPORT ON THE SUCCESSFUL TRIAL OF THE NMR PIPETECTOR

Anti-Corrosion Application, Hilton Portsmouth Hotel in UK

(Domestic Hot Water System)

NMR Corporation

*Appearance of Building and Installation Place



Appearance of the building

< Installation Purpose and Result>

The Hilton Hotel in Portsmouth is situated on the South Coast of England and belongs to one of the most prestigious hotel chains in the world having 120 bedrooms and was built in 1981. The hotel pipe work is also 25 years old, and for the prevention of the domestic hot water pipe work from corrosion, one NMR unit of 6 inch (PT-150DS) was installed onto 145mm outer diameter domestic hot water iron pipe header pipe.

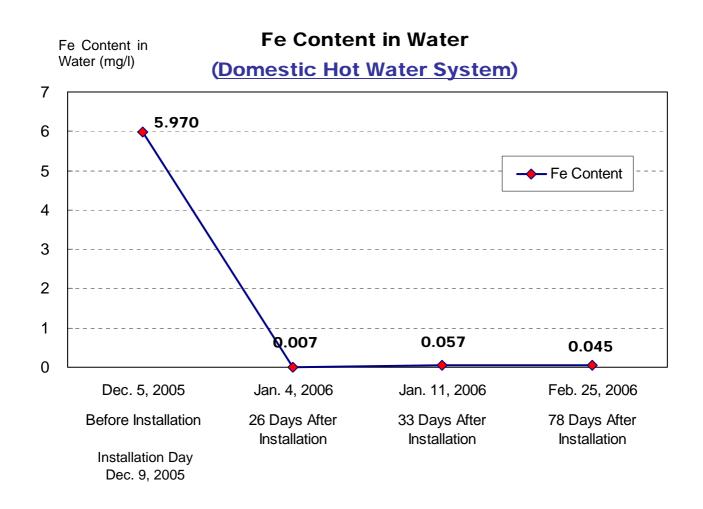
26 days after the installation of NMR Pipetector onto the domestic hot water pipe work, the Fe content drastically decreased from 5.97mg/l (before the installation of NMR Pipetector) to 0.007mg/l, stayed at the low of 0.057mg/l 33days after the installation, and 0.045mg/l 78 days after the installation. These data are far below 0.2 mg/l of the British Government Standard for Drinking Water. The decrease of Fe content means that new forming of corrosion (FeO(OH)) inside of the pipe work was terminated, and the existing corrosion was reduced to magnetite (Fe₃O₄) which is not dissolved into the water and protects the inside of the pipe from corrosion.

< Installation Summary>

Name of Building Address	Hilton Portsmouth Hotel			
Name of Building :Address	Eastern Road Farlington, Portsmouth PO6 1UN, United Kingdom			
Duilding Cummon	One of the prestigious hotels in the world.			
Building Summary	The hotel was built in 1981 and has 120 rooms.			
Installation Place	Header pipe of domestic hot water pipe work.			
Installation Day	December 9 th in 2005			
Number of installed	6 inch header pipe of domestic hot water pipe work (Iron pipe)			
NMR PIPETECTOR	PT-150DSx1 unit			

<Fe content in domestic hot water pipe (mg/l)>

	Before Installation Dec. 5, 2005	Installation Day Dec. 9,	26 Days After Installation Jan.4, 2006	33 Days After Installation Jan. 11,2006	78 Days After Installation Feb. 25, 2006	The British Government Standard for Drinking Water
Fe Content In Water	5.97 mg/l	2005	<0.007 mg/l	0.057 mg/l	0.045 mg/l	0.2 mg/l



Before Installation

Certificate of Analysis







1 Laboratory Number

186986

BR /315688/2005

Cambridge Water Company

Sample Point Description: Cambridgeshire Water Company Hilton Hotel Domestic

Sample Description :

Sample Date: 05 December 2005 Sample Received: 05 December 2005 Analysis Complete: 13 December 2005

Test Description Result Units Limit Accreditation Method Iron, Total as Fe 5970 ug/l 200

Accreditation Codes: " = Not URAS accredited, B = Analysed at STL thiogend, C = Analysed at STL Coventry, B = Analysed at STL Rundorn, L = Analysed at STL Midlands, S = 8tb-contraded For Microbiological determinands 0 or ND = Not Detected, DET = Detected, For Legionella ND=Not detected in volume of sample filtered

Hilton Portsmoutht 3-4(20080226)

26 Days After Installation

Certificate of Analysis





Sample 1 Laboratory Number

BR /320011/2006

Cambridge Water Company Sample Point Description: Cambridgeshire Water Company

Iron, Total as Fe

hilton portsmouth room 280

ug/l

<7

Issue 1

Sample Date: 04 January 2006 Sample Received: 04 January 2006 Analysis Complete: 11 January 2006

Accresision Codes: * * Not UKAS accredited, 8 * Analysed at STL Bridgend, C * Analysed at STL Covenity, R = Analysed at STL Runcon, L = Analysed at STL Millions, S = Subcontracted

For Microbiological determinance 0 or NO = Not Detected, DET = Detected, For Legislicia ND=Not detected in volume of sample filtered.

Severn Trent Laboratories Ltd

2 Technology Drive, Bridgend Science Park, Bridgend, Mid Glamorgan CF31 3NA Tel 016 5664 7557 Fax 016 5664 6525

33 Days After Installation

Certificate of Analysis





Laboratory Number Report Number :

226571

BR /321117/2006

Sample Source :

Cambridge Water Company Sample Point Description: Cambridgeshire Water Company

Sample Description:

HILTON DOMESTIC HOT WATER

Sample Date: 11 January 2006 Sample Received: 11 January 2006 Analysis Complete: 16 January 2006

57 ug/i

Accreditation Codes: * = Not UKAS accreditaty, B = Analysed at STL Bridgand, C = Analysed at STL Coventry, R = Analysed at STL Runcorn, L = Analysed at STL Midlands, S = Subcontracted

For Microbiological determinance 0 or ND = Not Detected, DET = Detected, For Legionalia ND=Not detected in volume of sample filtered.

Name: T. Down

17 January 2006

Production Manager

Hilton Portsmouth4-4(20080226)

78 Days After Installation

Certificate of Analysis





Laboratory Number : Report Number :

293848 BR/330952/2006

Sample Source

Cambridge Water Company Sample Point Description: Cambridgeshire Water Company

Sample Description

PORTSMOUTH DOMESTIC HOT WATER

45

Sample Date : 25 February 2006 Sample Received : 03 March 2006 Analysis Complete : 08 March 2006

Accreditation Codes: " = Not UKAS accredited, 8 = Analysed at STL Bridgend, C = Analysed at STL Covertry, R = Analysed at STL Runcorn, L = Analysed at STL Midlands, 8 = Sub-contrasted Par Microbiological determinands 0 or ND = Not Detected, DET = Detected, For Legionalia ND=Not detected in volume of sample littered.

Name: T. Down

Date: 10 March 2006

Title: Production Manager

ug/l