NMR INSTALLATION REPORT

Anti-Corrosion Application, Royal Garden Hotel in UK

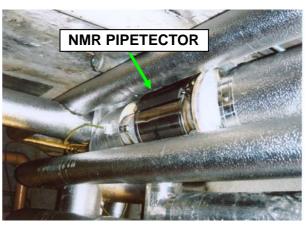
(Domestic Hot Water System)

NMR Corporation

*Appearance of Building and Installation Place



Appearance of the building



Domestic hot water pipe work

< Installation Purpose and Result>

The Royal Garden Hotel in Kensington England belongs to one of the most prestigious hotel chains in the world was built in 1965, renovated from 1994 to 1996, and has 400 bedrooms. For the prevention of the domestic hot water pipe work from the internal corrosion that the hotel has, one NMR Pipetector of 8 inch (PT-200DS) and one NMR unit of 4 inch (PT-100DS) were installed onto two separate domestic hot water pipe works in the main hotel.

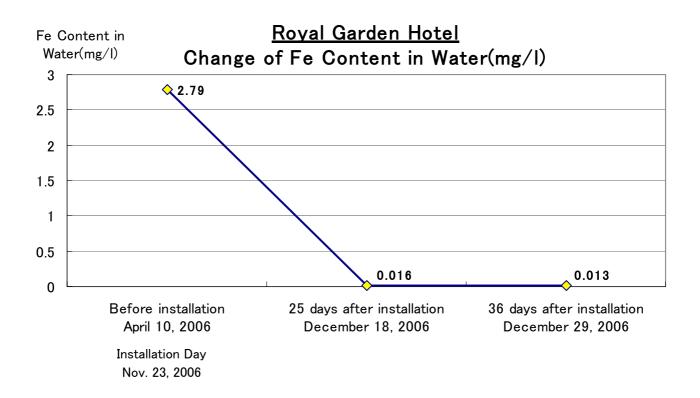
25 days after the installation of NMR Pipetector onto the domestic hot water pipe work in the main hotel, the Fe content drastically decreased from 2.79mg/l (before the installation of NMR Pipetector) to 0.016mg/l, stayed at the low of 0.013mg/l 36 days after the installation, and these data are far below 0.2mg/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	Royal Garden Hotel				
Address	2-24 Kensington High Street, London W8 4PT, England				
	One of the prestigious hotels in the world.				
Building Summary	The hotel was built in 1965, renovated from 1994 to 1996, and has 400				
	rooms.				
Installation Place	Domestic hot water pipe works in the main hotel and the hotel's staff				
	hotel.				
Installation Day	November 23 rd in 2006				
Number of installed	8 inch, 4 inch, and 3 inch domestic hot water pipe works (Iron pipe)				
NMR PIPETECTOR	PT-200DSx1 unit, PT-100DSx1 unit, PT-75DSx1 unit				

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

	Before Installation April 10, 2006	Installation Day Nov. 23, 2006	25 Days After Installation December 18, 2006	36 Days After Installation December 29, 2006	The British Government Standard for Drinking Water
Fe Content in Water (mg/l)	2.79mg/l		0.016 mg/l	0.013 mg/l	0.2 mg/l



Before Installation

25 Days After Installation

36 Days After Installation

Certificate of Analysis





Laboratory Number

BR/338626/2006 Issue 1

Cambridge Water Company Sample Source Sample Point Description : Cambridgeshire Water Company

OTH FLOOR DOMESTIC HOT WATER PLAN HOTEL Sample Description :

For Microbiological determinance 0 or ND w Not Detected, DEY = Detected, For Legionette ND=Not detected in volume of sample illnered

Sample Date Sample Received

Iron, Total as Fe

1/3 - Insufficient sample

Iron, Total as Fe

Sample Source

Accreditation Codes : " = Not UKAS accredited, B = Analysed at STL Bridgend, C = Analysed at STL Coverty, R = Analysed at STL Runcorn, L = Analysed at STL Midlands, S = Sub-contracted . For Microbiological determinands 0 or ND = Not Detected, DET = Detected, For Legionella ND-Not detected in volume of sample filtered

BR/395109/2006 Cambridge Water Company

Sample Point Description: Cambridgeshire Water Company ROYAL GARDEN HOTEL-10TH KITCHEN TOILET

Certificate of Analysis

Laboratory Number

Sample Date: 18 December 2006 Sample Received: 18 December 2006 Analysis Complete: 20 December 2006

Certificate of Analysis Report Number : BR/396964/2006 Sample Source Cambridge Water Company Sample Point Description: Cambridgeshire Water Company Sample Description RGH 10TH LOO KITCHEN Sample Date: 29 December 2006 Sample Received: 29 December 2006 Analysis Complete: 05 January 2007

Iron, Total as Fe

Accreditation Codes : " » Not UKAS accredited, B = Analysed at STL Bridgend, C = Analysed at STL Coventry, R = Analysed at STL Runcom, L = Analysed at STL Midlands, S = Sub-contracted For Microbiological determinands 0 or ND = Not Detected, DET = Detected, For Legionella ND=Not detected in volume of sample filtered.