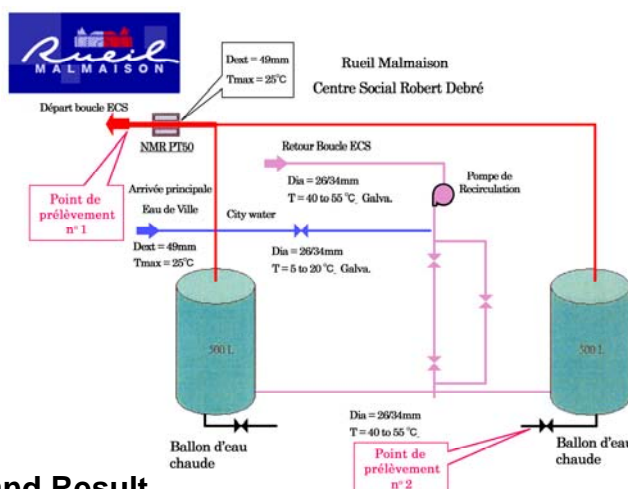


# NMR PIPETECTOR Test Report

## Anti-Corrosion Application, Hot Water Pipeworks, Hospital Mother and Child Medical Care Center (France)

**NMR Corporation**

### ◆ Installation Place



### ◆ Installation Purpose and Result

Mother and Child Medical Care Center is one of the medical center owned by Malmaison city in France. The NMR unit has been fitted to hot water pipework of the facility which has been built more than 20 years ago.

For the protection of the hot water pipework from corrosion, one unit of NMR Pipetector was installed on the outlet pipe of the boiler. Before the installation of NMR Pipetector, Fe ion content was **0.79 mg/l** and discoloured water was coming out of the faucet. However, 6 weeks after the installation of NMR PIPETECTOR, Fe ion content decreased to **0.29mg/l**, and, 12 weeks after, it decreased to **0.04mg/l** which is below French Government standard of drinking water (0.2mg/l) This is because that the corrosion (FeO(OH)) inside of the pipework was terminated and reduced to magnetite (Fe<sub>3</sub>O<sub>4</sub>) which is not dissolved into the water.

### ◆ Installation Summary

Name of the Building	Mother and Child Medical Care Center owned by Malmaison city, France
Building Summary	More than 20years after being built Obstetrics and gynecology , Pediatrics
Method of Water Supply	Hot water pipeworks
Installation Day	July 24 ,2003
Installation Place Number of Installed NMR PIPETECTOR	On outlet of hot water boiler ( <b>SGP 40A</b> ) NMR PIPETECTOR PT- 50DSx1unit

### ◆ Results of Water Examinations

Item	Before the installation Jul. 22,2003	6 weeks after the installation Sep. 4, 2003	12weeks after the installation Oct. 14, 2003	French Government Regulation for Drinking Water
Fe ion content (mg/l)	<b>0.79 mg/l</b>	<b>0.29mg/l</b>	<b>0.04 mg/l</b>	<b>0.2 mg/l</b>

(Analyzed by Monsieur Saintoyant pour les services techniques)

Fe ion content  
in water (mg/l)

