

NMR PIPETECTOR Installation Report (No.6)

Anti-Corrosion Application, Factory

Shiratori pharmaceutical company Chiba factory (Manufacture of Anti-Corrosion chemicals)

NMR Corporation

◆ Appearance of Building



◆ Building Summary

It has been 27 years since the building was built. The main water supply pipe of the factory was changed to the new vinyl pipes (PV). However, the pipes of the other buildings have been used steel galvanized pipes (SGP) and the red colored water appeared from the water supply pipes. Especially a cafeteria of public welfare building had a serious red colored water problem.

◆ Results of Water Examinations

Before the installation of NMR PIPETECTOR (January 25), Fe content in water, which was taken early morning as first 500ml, was **5.0mg/l** and colored was 40 degrees. According to Japanese regulation for drinking water, Fe content in water and colored should be less than 0.3mg/l and 5 degrees, but the results of water examinations were much worse than Japanese regulation. Nevertheless, only 2 weeks after the installation of NMR PIPETECTOR, Fe content decreased to **1.8mg/l** and colored decreased to 30 degrees. 10 weeks after the installation of NMR PIPETECTOR, Fe ion content decreased to **0.2mg/l** and colored decreased to 5 degrees, and the results passed Japanese regulation. The results prove high effect of NMR PIPETECTOR for anti-corrosion.

◆ Installation Summary

Name of Building Address	Shiratori pharmaceutical company, Chiba City, Chiba Prefecture
Building Summary	Reinforced 2-story building, 27 years after being built
Method of Water Supply	Pressure pump method
Installation Day	January 28, 1999
Installation Place Number of Installed NMR PIPETECTOR	On outlet of pressure water tank (Vinyl pipe 40mm) PT- 50DS x1unit

◆ Results of Water Examinations

Item	Before the installation January 25	2 weeks after the installation February 8	10 weeks after the installation April 5	Japanese regulation
Fe content in water (mg/l)	5.0 mg/l	1.8 mg/l	0.2 mg/l	0.3 mg/l
Colored (degree)	40	30	5	Under 5 degrees

Before the installation

No.14442-5
February 3, 1999

Water Examination Report

To: NMR Corporation
Analyzed by Metropolitan Research
Laboratory of Public Health

The following is the water examination results based on material given out on January 27,1999

Name of Material	Tap water		
Place of Water Taken	Chiba Factory, Cafeteria of public welfare		
Date of Water Taken	January 25,1999		
Water Examination Results			
Item			
Fe content (mg/l) 5.0			
Colored (degree) 40			

2 weeks after the installation

No.14691-5
February 18, 1999

Water Examination Report

To: NMR Corporation
Analyzed by Metropolitan Research
Laboratory of Public Health

The following is the water examination results based on material given out on February 10,1999

Name of Material	Tap Water		
Place of Water Taken	Chiba Factory Cafeteria of public welfare		
Date of Water Taken	February 8,1999		
Water Examination Results			
Item			
Colored(degree) 30			
Fe content(mg/l) 1.8			

10 weeks after the installation

No.10098-3
April 14, 1999

Water Examination Report

To: NMR Corporation
Analyzed by Metropolitan Research
Laboratory of Public Health

The following is the water examination results based on material given out on April 7,1998

Name of Material	Tap Water		
Place of Water Taken	Chiba Factory Cafeteria of public welfare		
Date of Water Taken	April 5, 1999		
Water Examination Results			
Item			
Colored(degree) 5			
Fe content(mg/l) 0.20			