

DOCUMENT MANAGEMENT SYSTEM

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Doc# NSCS-M-P-7093-02-08
Title: pH Testing - Chrome Plant
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Desc: pH Testing - Chrome Plant
Loc: Midwest - Utilities-Midwest - Plant Maintenance-Midwest-Gary Works

STEPS**PROCEDURES**

The Pretreat Operator should use the following test procedure when testing the pH of the chrome treatment plant, interceptor, trench, waste pickle liquor or any other water or wastewater.

Testing pH

1. Check to ensure the combination pH electrode is connected to the pH input on the meter.
2. Turn on the instrument and clear the display.
3. Rinse off pH electrode with deionized water and blot with tissue paper.
4. Insert pH electrode into a 10.0 buffer standard.
 - Press Clear button.
 - Press pH button.
5. Press the **STD** key to lock in the 10.0 standard value.
6. Remove pH electrode from the 10.0 buffer standard, rinse off with deionized water and blot with tissue paper.
7. Insert pH electrode into 4.0 buffer standard.
8. Press the **STD** key to lock in the 4.0 standard value.
9. Remove pH electrode from the 4.0 buffer standard, rinse off with deionized water and blot with tissue paper.
10. Insert pH electrode into sample to be measured.
11. Press the **pH** key to measure the pH of the sample.
12. If necessary, test additional samples being sure to rinse off pH electrode and blot dry between each reading.
13. When all pH readings have been taken, rinse off pH electrode with deionized water and store in deionized water.

Reporting

Log all pH reading on the Pretreat Logsheet, Form # 7093-03.

Non-Compliance

Notify Manager if chemicals or supplies are needed or if there is an equipment problem.