

## Standard Operating Procedure for Continuous pH Monitoring

### EPA Method 150.2

Date: \_\_\_\_\_

Signature of Lab Supervisor: \_\_\_\_\_

Scope of Work: \_\_\_\_\_

Name and Type of Discharge: \_\_\_\_\_

Discharged to: \_\_\_\_\_

The permitted range for my discharge is \_\_\_\_\_ to \_\_\_\_\_ pH standard units.

### Equipment:

pH meter: Manufacturer Name: \_\_\_\_\_

pH probe: Manufacturer Name: \_\_\_\_\_

pH transmitter (if applicable): Manufacturer Name: \_\_\_\_\_

My probe **can or cannot** be removed for calibration. (Circle One)

We use the **direct or indirect** method for calibration. (Circle One)

The meter is capable of **temperature compensation**. **Yes or No** (Circle One)

### Reagents:

The pH buffers used at this facility are \_\_\_\_\_ and \_\_\_\_\_.

**Note: No third buffer check required for continuous pH monitoring with EPA 150.2.**

**Laboratory can perform a three point calibration if desired but only a 2 point calibration is required.**

Each buffer aliquot is fresh before calibration. **Yes or No** (Circle One)

Each aliquot is discarded after use. **Yes or No** (Circle One)

Buffers are discarded upon expiration. **Yes or No** (Circle One)

Expiration dates are on the bottles of buffer used at this facility. **Yes or No** (Circle One)

The dates received and first opened are marked on the pH buffer bottles. **Yes or No** (Circle One)

### Maintenance:

The procedure used for cleaning the pH monitoring system used at this facility is described below, including the frequency of cleaning.

Describe cleaning pH meter here:

### Calibration:

The meter is calibrated weekly (as a minimum). **Yes or No** (Circle One)

A step by step description of the calibration procedure used at this facility is described below.

Describe calibration procedure here:

A copy of the log used for recording the details of the pH calibration is attached to this SOP.

All records are retained for a minimum of five years. **Yes or No** (Circle One)

**Sign and date this Standard Operating Procedure. Return to the Office of Quality Assurance for our files.**