



SMILLIE McADAMS SUMMERLIN LTD.

900 McKAY ROAD, UNIT 1, PICKERING, ONTARIO, CANADA L1W 3X8 • Phone: (905) 428-6900 • Fax: (905) 428-6598

## **S.M.S. ACID NEUTRALIZING SYSTEMS** **MAINTENANCE INSTRUCTIONS**

- S.M.S. Ltd. recommends that initially, for a period of 3 to 4 months, the acid neutralizing systems be inspected monthly. The frequency of inspection can then be adjusted to suit the activity of the particular installation.
- If the pH monitoring panel is equipped with a 30-day chart recorder, set up inspection schedule for maximum 30 day interval, ideally every 4 weeks. Change chart recorder paper (30 day roll) and store used roll for record of pH level of system discharge.
- Maintenance and inspection are to be performed at a time when the tank has no activity. Prior to opening inspection port or tank cover, flush tank for an appropriate period of time with potable water. This will aid in removing foul odour from various chemicals or from stagnation during dormant periods.
- When opening inspection port or removing tank cover; wear an appropriate breathing apparatus, this to be determined by investigation of system use with lab and safety personnel at your facility. Protective clothing, eye-wear, and gloves should also be worn. Ensure area is free of sparks and open flame; and allow tank to vent of fumes before proceeding.
- Clean tank of any debris or foreign matter which may have entered with acid waste. (if excessive debris is entering tank, or backing up flow at the inlet, contact S.M.S. re: sediment interceptors.)
- Add limestone neutralizing chips as required to raise their level up to the invert (lower level) of outlet.
- Inspect pH electrode and flush with clean water to remove any silt or debris.
- A pH electrode will provide accurate and quick-response readings for a period of 12-18 months. to ensure a suitable signal to the monitoring panel, S.M.S. recommends scheduled replacement of electrodes on an annual basis.
- For more information and to order limestone or chart recorder paper; contact: S.M.S. Ltd., 905-428-6900, fax: 905-428-6598.

**NOTE:** most municipalities allow waste with a pH between approximately 5.5 and 10. This panel is set to alarm at 5. The reason is that due to natural dilution with sanitary waste the pH of waste leaving the tank will be much higher when it reaches the city connection.

- **IF THE PANEL ALARMS, THE TANKS CAPACITY IS BEING EXCEEDED, LIKELY DUE TO EXCESSIVE USE OF WATER WHICH WILL FORCE WASTE THROUGH THE TANK PREMATURELY, OR THE LIMESTONE LEVEL MAY BE LOW AND REQUIRE SERVICE.**

## **S.M.S. LTD SEDIMENT INTERCEPTORS**

### **MAINTENANCE**

S.M.S. Ltd. Recommends that initially, for a period of a couple of months, interceptors be inspected on a weekly basis. The frequency of inspection can then be adjusted to suit the activity of the particular installation.

Prior to opening interceptor, flush with potable water for an appropriate period of time; this will aid in removing foul odors from various chemicals or from stagnation during dormant periods.

Protective eye-wear, clothing, and gloves should be worn when inspecting and/or servicing interceptors.

Those responsible for service should establish the nature of wastes passing through the interceptors before performing any maintenance. Special precautions may have to be taken in handling the collected solids; and in cases where contaminated materials are involved, a suitable industrial waste disposal firm should be contacted.

To service the interceptors, remove the bolted, gasketed cover and inner sediment basket. Once the basket has been emptied and thoroughly cleaned, replace basket in outer sump. Ensure the inlet is properly oriented so that incoming waste will be discharged into the basket. Replace cover and tighten bolts securely.

For more information on Sediment Interceptors and Neutralizing Tanks; contact S.M.S. Ltd at: Tel: (905) 428-6900, Fax: (905) 428-6598.