

S.M.S. ACID NEUTRALIZING SYSTEMS

MAINTENANCE INSTRUCTIONS

- S.M.S. Ltd. Recommends that initially, for a period of 3-4 months, the acid neutralizing systems be inspected monthly. The frequency of inspection can then be adjusted to suit the activity of the particular installation.
- Maintenance and inspections 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 the inspection port or removing the tank cover; wear an appropriate breathing apparatus, this is to be determined by investigating system use with lab and safety personnel at your facility. Personal protective equipment such as clothing, eye wear and gloves should also be worn. Ensure area is free of sparks and open flame; and allow tank fumes to vent 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. Ltd. (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 contact S.M.S. Ltd. directly, at 1-905-576-6900

NOTE: Most municipalities allow waste with a pH between 5.5 and 10 (approx.). 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 TANK 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 INSTRUCTIONS**

- S.M.S. Ltd. recommends that initially, for a period of a couple months, interceptors should 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 odours from various chemicals or from stagnation during dormant periods.
- Personal Protective Equipment, including protective eye-wear, clothing and gloves, should be worn when inspecting or servicing interceptors.
- Those responsible for service should establish the nature of wastes passing through the interceptors before performing any maintenance. Special precautions may need 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 directly at 905-576-6900.