

## **Terre Kleen Maintenance Procedure**

### **Maintenance Inspection and Documentation Record**

When a Terre Kleen™ unit is installed, quarterly inspections should be performed for the purpose of documenting the rate of pollutant capture: oil, grease, trash, debris, vegetation and sediment.

### **Sediment Measurement**

To determine sediment accumulation, a stadia rod or similar measuring device may be used. Cleaning is recommended when the accumulated sediment is at a depth of **three (3) inches**.

### **Maintenance Cleaning**

A vacuum truck, or similar trailer mounted equipment, can be used to clean both chambers by lowering the suction hose through the openings.

After the oil and litter is removed, the grit chamber can be cleaned out. Water can be sprayed into the chambers as necessary to loosen debris

Oil absorption booms are added to the primary chamber prior to installation. These booms should be replaced when they become saturated with oil and no longer appear above the water surface.

After the clean-out procedure is complete, replace the manhole covers securely to the frames for safety purposes.

### **Sludge dispersion manifold**

Each Terre Kleen™ water quality device contains a “Sludge Dispersion Manifold”. The manifold pipes are mounted to the floor underneath the inclined plates and connect to a hose that leads to the clean out opening at grade level. This hose is pressurized by the vacuum truck’s spray nozzle. While the suction nozzle removes the captured pollutants, the pressurized manifold sprays water through the small horizontal holes in the manifold pipes. This water lifts and disperses the sludge blanket causing it to drain to the suction nozzle.

### **Disposal of Removed Pollutants**

Material removed from the Terre Kleen™ must be handled according to local, state, and federal regulations.

### **Cold Weather Concerns**

The depth of the structure in the soil insulates it from freezing. When inlets are integrated into the Terre Kleen™, exposure to freezing may become an issue.

### **Confined Space Entry**

Regular maintenance and clean out does not require confined space entry into the Terre Kleen™ unit. If confined entry is required, it will need to be performed by qualified personnel who are properly trained for confined space activity using proper equipment as per the latest OSHA regulations.