

RESOLUTION NO. 10-02

LITTLE COLORADO SANITARY DISTRICT
APACHE COUNTY, ARIZONA

RESOLUTION ADOPTING INSPECTION AND PUMPING REQUIREMENTS
OF SOLIDS SEPARATION TANKS OPERATING WITH GREASE TRAPS

WHEREAS, the Board of Directors of the Little Colorado Sanitary has already adopted a rule mandating that solids separation tanks of all users of the Little Colorado Sanitary District be inspected, and serviced as recommended, every five (5) years; and

WHEREAS, the Board of Directors of the Little Colorado Sanitary District has determined that to ensure the integrity of the unique sewer disposal system utilized by the Little Colorado Sanitary District it is necessary to differentiate between users who have installed and/or operate a grease trap in their particular sewer system of the Little Colorado Sanitary District, and those users who do not utilize a grease trap; and

WHEREAS, the Board of Directors of the Little Colorado Sanitary District understand that those users of the Little Colorado Sanitary District who have installed and/or operate a grease trap in their particular sewer system typically create a dissimilar waste than users of the Little Colorado Sanitary District without grease traps; and

WHEREAS, the Board of Directors of the Little Colorado Sanitary District understand that because users of the Little Colorado Sanitary District who have installed and/or operate a grease trap in their particular sewer system typically create a dissimilar waste than users of the Little Colorado Sanitary District without grease traps, greater care and more frequent inspections and pumping of solids separation tanks is necessary; and

WHEREAS, pursuant to Arizona Revised Statutes Section 48-2001 the Board of Directors has the power to adopt such procedures.

THEREFORE, BE IT RESOLVED THAT:

The following inspection and pumping guidelines rules shall apply to all users of the Little Colorado Sanitary District who have installed and/or operate a grease trap in their particular sewer system:

1. Inspections of solids separations tanks shall occur every year;
2. Inspections shall be conducted by an Arizona licensed contractor qualified in sewer system inspections, or the Little Colorado Sanitary District's Operator; and
3. Inspectors shall utilize a devise known as a "Visual Tube Sludge Measuring Devise such as, but not limited to, "Sludge Judge" "Dipstick Pro", "Sludge Pro", or an electronic sludge measuring devise, such as "Sonic Sludge Stick", or any other sludge measuring tool approved by the District's engineer.
4. If an inspection reveals that the solids separation tank's capacity is compromised, either by a lack of free area to properly allow for settling of solids or excess scum, which may cause a discharge to the collection lines; then the solids separation tank shall be pumped at the time of inspection, or within 72 hours of the inspection.

Adequate free area shall be defined as the area between the sludge and scum layers and shall be 66% or greater of the original design volume.

Excess scum shall be defined as an encroachment of the scum layer or blanket that encroaches in the area of one (1) inch from the top of

the outlet tee or baffle and/or within three (3) inches of the bottom of the outlet tee or baffle.

This measurement level is shown on the diagram attached hereto.

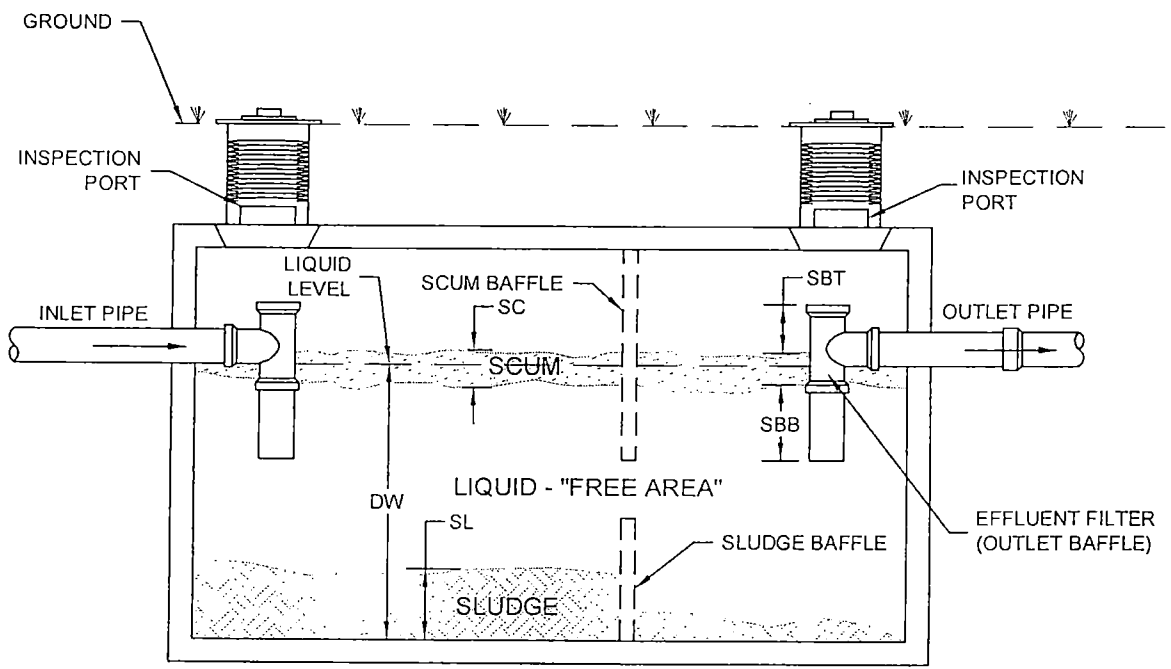
5. Documentation of an inspection, and/or service as recommended by an Arizona licensed contractor qualified in sewer system inspections, or the Little Colorado Sanitary District Operator, shall be documented on a Little Colorado Sanitary District Inspection and Pumping Form, as amended from time to time, and shall be submitted to the Little Colorado Sanitary District.
6. This Resolution shall become effective January 1, 2011.

ADOPTED this ^{13th} ~~9th~~ day of Sept., 2010.

LITTLE COLORADO SANITARY DISTRICT

By: M. Buzuel
Chairman

Tuesday, July 13, 2010 2:41:13 PM DRAWING: G:\Projects\0021\Solids Separation Tank.DWG LAYOUT: CAPACITY MEASUREMENTS USER NAME: PRINGLE, ROBBIE



When $(SC + SL) / DW > 33\%$ Tank must be pumped.
 example $(8" + 12") / 44" = 45\%$

When $(SC + SL) / DW < 33\%$ Tank does not need to be pumped.
 example $(4" + 5") / 44" = 20\%$

When the SCUM is less than 1" from the top of the Effluent Filter (SBT), then the tank must be pumped. (SBT<1"="Excess Scum")

When the SCUM is less than 3" from the bottom of the Effluent Filter (SBB) then the tank must be pumped. (SBB<3"="Excess Scum")

LEGEND

- SC Scum
- SL Sludge
- SBT Outlet Baffle Top
- SBT<1" Excess Scum
- SBB Outlet Baffle Bottom
- SBB<3" Excess Scum
- DW Depth of Water



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Drawing Description
**CAPACITY
 MEASUREMENT**

**LITTLE COLORADO
 SANITARY DISTRICT**

Project No.: 134P00021

Date: 06/10/2010

Designed By: DLB

Drawing No.
C100