1. **DETERMINE THE DAILY WASTEWATER FLOW**
   The daily wastewater flow is equal to the number of bedrooms x 150 gal per bedroom.
   
   **Daily Wastewater Flow**

2. **DETERMINE THE SOIL OR SAPROLITE HYDRAULIC LOADING RATES**
   a. **Soil Loading Rate**
      
      The soil loading rate is determined by using R317-4-13 Table 5 for percolation rate, or Table 6 for soil texture and structure.
      
      **Soil Loading Rate**
   
   b. **Saprolite Loading Rate**
      
      The saprolite loading rate is determined by using R317-4-13 Table 5 and the percolation rate of the suitable saprolite.
      
      **Saprolite Loading Rate**

3. **DETERMINE THE ABSORPTION AREA REQUIREMENT**
   
   The absorption area requirement is calculated by dividing the daily wastewater flow by the hydraulic loading rate.
   
   **Absorption Area Requirement**

4. **LINEAL FEET OF ABSORPTION TRENCH**
   
   Sand-lined trenches must be 3’ (36”) wide. Divide absorption area requirement by 3 feet.
   
   **Lineal Feet or Absorption Trench**