

## SEWAGE TREATMENT – SUMMARY

- 1) Prelim treatment
  - a. Bar screen – removal of debris
  - b. Grit chamber – settling of grit
  
- 2) Primary treatment - primary clarifier tank  
three layer separation (grease, clarified wastewater, raw sludge)
  - a. Grease – drawn off and discarded
  - b. Wastewater – further treatment in steps 3-6
  - c. Sludge – further treatment in step 7
  
- 3) Secondary(biological) treatment – removal of colloidal/dissolved organics
  
- 4) BNR/tertiary treatment – biological nutrient removal
  
- 5) Final treatment – removal of pathogens
  
- 6) Advanced treatment if necessary – removal of N/P nutrients
  
- 7) Sludge treatment
  - a. Anaerobic digestion
  - b. Composting
  - c. Water removal