## UNIT PROCESS: Imhoff Tank

1. Number of units: In operation:

2. Proper flow distribution between units: [ ] Yes [ ] No [ ] NA

3. Sedimentation chamber:
   - A. Influent, effluent baffle systems working properly: [ ] Yes [ ] No*
   - B. Evidence of settling problems:
     1. scum floating on surface [ ] Yes* [ ] No
     2. rising or floating sludge [ ] Yes* [ ] No
     3. short circuiting and/or overloads [ ] Yes* [ ] No
   - C. Effluent weirs level: [ ] Yes [ ] No*
     Clean: [ ] Yes [ ] No*
   - D. Effluent characteristics:
   - E. Solids retained in sedimentation chamber moved to digestion chamber: [ ] Yes [ ] No*
     Frequency:
   - F. Frequency of slot cleaning:
     Method:

4. Digestion chamber:
   - A. Sludge withdrawal:
     1. method: [ ] Gravity [ ] Pumping
     2. amount/frequency:
     3. frequency of flushing riser pipe:
   - B. Digester chamber pH adjustment:
     1. practiced: [ ] Yes [ ] No
     2. chemical used:
     3. amount/frequency:
   - C. Process control testing:
     1. reduction of volatile solids [ ] Yes [ ] No %
     2. volatile acids [ ] Yes [ ] No mg/L
     3. pH [ ] Yes [ ] No s.u.
     4. temperature [ ] Yes [ ] No ºF
     5. alkalinity [ ] Yes [ ] No mg/L
     6. depth of sludge [ ] Yes [ ] No
       distance below slot:
       frequency of test:
D. Gas vent/gas dome:

1. gas collection provided: [ ] Yes [ ] No
   if yes, method of utilization:

2. frequency of scum breakup and wetting:

3. evidence of foaming: [ ] Yes* [ ] No

E. Mechanical Equipment (as applicable):

1. digester heated: [ ] Yes [ ] No
   heaters operating properly: [ ] Yes [ ] No [ ] NA
   recirculating equipment operating properly: [ ] Yes [ ] No [ ] NA

2. sludge collector rakes operating properly: [ ] Yes [ ] No [ ] NA

5. General condition: [ ] Good [ ] Fair [ ] Poor

Comments: