



**Mud Creek WPCP STANDARD OPERATING PROCEDURE (SOP):  
PLANT OPERATIONS/EQUIPMENT INSPECTION ROUNDS**

Issue Date: 4/2011      Revision: 2      Review Frequency: Annual

**West Train Secondary Clarifiers #1, #2, #3, #4:** Check for proper flow from splitter box; check for proper activated sludge settling, if any solids or pin floc rising and going over weirs record in log book; check drive motors for abnormal temps, noise, or vibration; check operation of scum arm and boxes.

**West Train RAS Pump Station:** Check pumps/motors for abnormal temps, noise, or vibrations; check packing for proper leakage; check flow meter for proper flows; check WAS valve for proper operation and flow when wasting sludge to digester.

**Potable Water System Pressure Tank/Hypochlorite Feed Pump:** Check tank and piping for any leaks; check pressure gauge; Check hypo feed pump for proper operation.

**Disk Filters #1, #2, #3, #4, #5:** Check HMI screens; Check flow/level in filters; check for proper operation; check valves and piping for leaks.

**Re-Aeration Basin/Blowers:** When in operation: Check level and mixing in basin; Check blower for abnormal temps, noise or vibrations.

**UV Disinfection System/Basin:** Check UV control panel for any alarms; Check flow and level in basins.

**Reuse Water Pump Station:** Check pumps/motors for abnormal temps, noise, or vibrations; Check pump packing for proper leakage; check control panel for proper operation.

**Reuse Water Hypochlorite Feed System:** Check level in tank; check pumps for proper operation; check pumps/piping for leaks.

**Emergency Deisel Generator:** Check generator area for any issues; check fuel level.

**Main Electrical/Switchgear Room:** Check for any issues in room; check panels for proper voltage; ensure electrical feed/switchgear in proper mode of operation.

**Mechanical Room:** Check room for any issues.

**Plant Grounds:** Ensure main gate is closed after hours; ensure back gate closed after hours; ensure security fence in good condition.

**Composite Samplers (Influent/Effluent):** Check operation & inside temperatures of samplers every two (2) hours and record in log on computer.

**NPDES PERMIT SAMPLING AND PROCESS SAMPLING**

All sampling is performed in accordance with Mud Creek WPCP NPDES Permit and Mud Creek WPCP Sampling Plan. (See Attachment C. Mud Creek Sampling record sheet.)