



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

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

**West Train Neuros Blowers:** Check HMI screens; Check for temps, any noise or vibration.

**Headworks Area (upper/ground levels):** Inspect bar screens for proper operation; check bar screen motors for abnormal temps, vibrations, or noise; check inline pH meter check vortex grit basin for proper flow; check grit basin motor for temp., vibrations, or noise; if any noticeable colors/dyes of raw sewage or odors detected, record in computer logbook.

**Powerhouse #2:** Walk through; check temps.; electrical /panels/controls.

**East Train Aeration Basins #5 & #6:** Check for proper flow into anoxic basins/aeration basins; check for proper air flow and mixing; check DO meter readings; record any noticeable color or odor of the mixed liquor (foam), record in logbook.

**East Train Internal Recycle Pumps:** Check pumps for temps, noise, or vibrations.

**East Train Neuros Blowers:** Check for high temps, any noise or vibration, Check HMI screens.

**East Train Clarifiers Splitter Box:** Check level and for even flow over weirs to each secondary clarifier.

**East Train Secondary Clarifiers #5, #6:** 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.

**East Train Secondary Clarifiers Scum Pump Station:** Check sump for proper levels and pump operation.

**East 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.

**Alum Pumping Station:** Check for any leaks in piping or storage tank; check pumps/motors for abnormal temps, noise or vibrations.

**Potable Water System:** Check storage tank, piping, valves for any leaks; check well pump motor for abnormal temps, noise or vibrations.

**West Train Aeration Basins #1, #2, #3, #4:** Check for proper flow into basins; check for proper air flow and mixing; check DO meter readings; record any noticeable color or odor of the mixed liquor (foam), record in logbook.