



CUSTOMER: Tiffin WWTP
Tiffin, OH

ENGINEER: URS/AECOM
Columbus, OH

PROJECT DESCRIPTION:

Mix three 25' x 16' x 18' anoxic basins.

SPECIAL REQUIREMENTS:

TSS readings cannot exceed 10% variance from test stations located 1' from the top and 1' from the bottom. D.O. must not exceed .5 mg/L.

PHI SOLUTION:

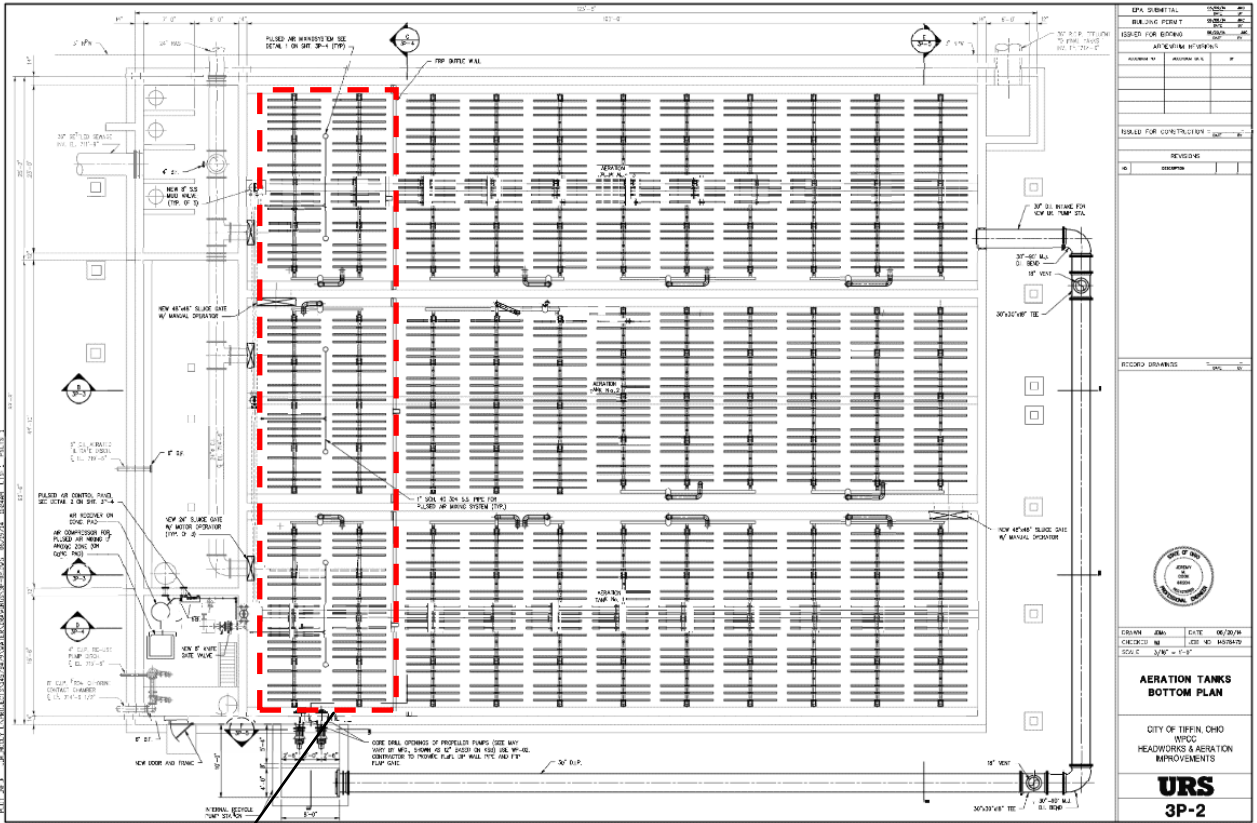
Provide two bubble forming plates in each basin located in the tank pursuant to the CFD model and provide one 3-valve mixer controlled by an Allen-Bradley PLC. PHI also supplied a 10 hp rotary screw compressor with enough power to mix all three basins.

RESULTS:

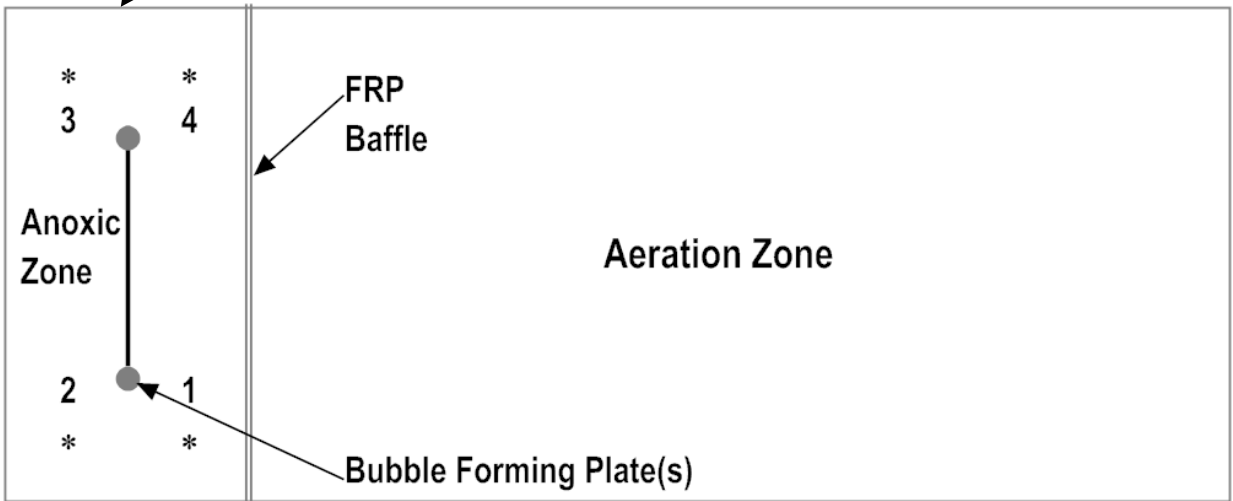
PHI took 12 readings in each basin with customer's engineer. Highest D.O. measurement in all three basins was .05 mg/L and the highest TSS variance was 2%.



(See Reverse for Application Drawing)



*Location of Sample Stations



BNR Tank (Typical of 3)