



PERFORMANCE TEST SUPPLEMENT

LOCATION: Richmond Sanitary District – Wm. E. Ross WWTP
Kokosing P.O. # 2506319

PHI Personnel: Larry L. Bell, VP Email: Larry@phiwater.com
FACO Personnel: Jeremy VanErman, Sales, Email: Jeremy@facollc.com

Equipment Tested: Section 11365 – Big Bubble Mixing System
Anoxic Selector Basins-Cells 2-1, 6-1, 9-1 (3 corners)

Date Tested: April 22, 2022

TEST RESULTS

<u>BASIN-CELL</u>	<u>CORNER</u>	<u>TSS (mg/l) at</u>			<u>C. V.</u>	<u>D.O. @ All Depths</u>	<u>PASS / FAIL</u>
		<u>1-foot</u>	<u>9-foot</u>	<u>17-foot</u>			
2-1	NE	2,700	2,650	2,600	0.018	< 0.1 ppm	PASS
2-1	SE	2,650	2,600	2,550	0.019	< 0.1 ppm	PASS
2-1	NW	2,700	2,650	2,600	0.018	< 0.1 ppm	PASS
6-1	NE	2,700	2,350	2,750	0.084	< 0.1 ppm	PASS
6-1	SE	2,550	2,250	2,300	0.068	< 0.1 ppm	PASS
6-1	NW	2,680	2,650	2,550	0.026	< 0.1 ppm	PASS
9-1	NE	2,550	2,650	2,450	0.039	< 0.1 ppm	PASS
9-1	SE	2,650	2,550	2,450	0.039	< 0.1 ppm	PASS
9-1	NW	2,700	2,650	2,700	0.011	< 0.1 ppm	PASS

The measurement location was 3 feet from each corner wall. Only 3 corners per basin could be accessed since there is no walkway on the west side of the Pass A activated sludge basins. One basin per mixing control panel (381-LCP-0730, 351-LCP-0530, and 321-LCP-0430) was tested. This supplemental test followed a 4-month evaluation by

PHI to determine recommended operating parameters for this plant's anoxic mixing system. The recommendations are provided in a separate report.