

APPENDIX C

Water (Chlorine and Fluoride) Test Results

Irish Town Bend Investigation

Sample Date: August 15, 2014 & October 10, 2014

Sample Taken by: M. Ohanian

It was requested that water samples be extracted from the Irish town bend site and underground subway tunnel that is located under Detroit Ave. and West 25th in Cleveland Ohio. The samples were first tested for chlorine and ph in August and Fluoride in October. Sample #1 was collected from the south tunnel wall infiltration and Sample #2 was collected in the middle of the tunnel basin. Sample #3 is City of Cleveland tap water obtained at 2271 Scranton Road. Sample #4 can be considered a baseline from purified bottled water. Sample #5 was collected from a leaking fire hydrant along Riverbed Street and Sample #6 was taken from a fire hydrant on Franklin Road. Sample #7 was taken from the raised manhole adjacent to the subway tunnel and Detroit Superior Avenue. Sample #8 was taken from a fire hydrant on Detroit Superior Avenue. Sample #9 was extracted from the toe of the slope adjacent to the Detroit Superior Bridge along River Bed Street. Sample #10 was collected from the raised manhole before termination of the dewatering operation.

CL & PH Sample Results:

Sample No.	CL	PH	Location
#1	0	7.2	Tunnel
#2	0	8.2	Tunnel
#3	2-4	6.8	Tap Water
#4	0	7.0	Bottle Water
#5	0	8.0	FH 1
#6	>.5	7.2	FH 2
#7	0	7.2	Manhole
#8	0	7.2	FH 3
#9	0	7.2	Toe of Slope
#10	0	7.4	Btm Manhole

Pictures of the test sample are provided below.

Fluoride Sample Results: (results in PPM)

Sample No.	Fluoride	Location
#1	0.20	Tunnel
#2	0.00	Tunnel
#3	0.85	Tap Water
#4	0.00	Bottle Water
#5	2.00	FH 1
#6	2.00	FH 2
#7	2.00	Manhole
#8	0.59	FH 3
#9	0.31	Toe of Slope
#10	0.20	Btm Manhole