

**Monthly Water Quality Analysis
Result Summary
December 2017**

	<u>Federal/ NJ MCL</u>	<u>Brick Twp Delivered</u>	<u>Analysis Date</u>
Monthly (reporting)			
Turbidity (Clarity) (Units)	0.3 (NTU)	0.030 (NTU)	12/2017
Microbiological			
Total coliform bacteria (Units)	5 (%+ samples)	0 (%+ samples)	12/2017
Heterotrophic plate count (Units)	<500 (CFU)	0 (CFU)	12/2017
Quarterly			
Trihalomethanes chloroform bromoform bromodichloromethane dibromochloromethane (Units)	80 Locational Running Annual Average (LRAA) (ppb)	35.4 (max) (ppb)	12/2017
Haloacetic Acids monochloroacetic acid monobromoacetic acid dichloroacetic acid dibromoacetic acid trichloroacetic acid (Units)	60 Locational Running Annual Average (LRAA) (ppb)	23.3 (max) (ppb)	12/2017
Nitrate/Nitrite (Units)	10 (ppm)	0.13 (ppm)	12/2017
Annually			
Regulated Inorganics			
Antimony	0.006	<0.0003	12/2017
Arsenic	0.05	<0.0005	12/2017
Barium	2	0.095	12/2017
Beryllium	0.004	<0.0003	12/2017
Cadmium	0.005	<0.0005	12/2017
Chromium	0.1	0.0008	12/2017
Copper	1.3*	0.0029	12/2017
Lead	0.015*	0.0055	12/2017
Mercury	0.002	<0.0001	12/2017
Nickel	0.1	0.0007	12/2017
Selenium	0.05	<0.0005	12/2017
Thallium	0.002	<0.0003	12/2017
Fluoride	4	0.060	12/2017

(Units)	(ppm)	(ppm)	
*action level			
Regulated Volatile Organics			
benzene	5/1	<0.5	12/2017
carbon tetrachloride	5/2	<0.5	12/2017
1,2-dichlorobenzene	600	<0.5	12/2017
1,3-dichlorobenzene	none/600	<0.5	12/2017
1,4-dichlorobenzene	75	<0.5	12/2017
1,2-dichloroethane	5/2	<0.5	12/2017
1,1-dichloroethane	none/50	<0.5	12/2017
1,1-dichloroethene	7/2	<0.5	12/2017
cis-1,2-dichloroethene	70	<0.5	12/2017
trans-1,2-dichloroethene	100	<0.5	12/2017
dichloromethane	5/3	<0.5	12/2017
1,2-dichloropropane	5	<0.5	12/2017
ethylbenzene	700	<0.5	12/2017
chlorobenzene	100/50	<0.5	12/2017
styrene	100	<0.5	12/2017
tetrachloroethene (PCE)	5/1	<0.5	12/2017
toluene	1000	<0.5	12/2017
1,2,4-trichlorobenzene	70/9	<0.5	12/2017
1,1,1-trichloroethane	200/30	<0.5	12/2017
1,1,2-trichloroethane	5/3	<0.5	12/2017
trichloroethene (TCE)	5/1	<0.5	12/2017
1,1,2,2-tetrachloroethane	none/1	<0.5	12/2017
vinyl chloride	2	<0.5	12/2017
xylene (total)	1000	<0.5	12/2017
naphthalene	none/300	<0.5	12/2017
methyl tert-butyl ether (MTBE)	70	<0.5	12/2017
(Units)	(ppb)	(ppb)	
Synthetic Organic Compounds			
Acenaphthylene		<0.015	9/2016
Acetochlor		<0.022	9/2016
Aldrin		<0.01	9/2016
Alpha-Chlordane	0.5	<0.012	9/2016
Anthracene		<0.01	9/2016
Atrazine	3	<0.019	9/2016
Benzo(a)anthracene		<0.014	9/2016
Benzo(a)pyrene	0.2	<0.012	9/2016
Benzo(b)fluoranthene		<0.01	9/2016
Benzo(g,h,i)perylene		<0.011	9/2016
Benzo(k)fluoranthene		<0.017	9/2016
BHC-gamma		<0.01	9/2016
Butylbenzyl Phthalate		1.04	9/2016
Chrysene		<0.014	9/2016
Di(2-ethylhexyl)adipate	400	<0.022	9/2016
Di(2-ethylhexyl)phthalate	6	0.07	9/2016
Di-n-butyl Phthalate		0.19	9/2016
Dibenzo(a,h)anthracene		<0.019	9/2016

Dieldrin		<0.013	9/2016
Diethyl phthalate		<0.022	9/2016
Dimethyl phthalate		<0.024	9/2016
Endrin	2	<0.02	9/2016
Fluorene		<0.012	9/2016
Gamma-Chlordane	0.5	<0.013	9/2016
Heptachlor	0.4	<0.014	9/2016
Heptachlor Epoxide	0.2	<0.019	9/2016
Hexachlorocyclopentadiene	50	<0.019	9/2016
Ideno(1,2,3-cd)pyrene		<0.02	9/2016
Alachlor	2	<0.01	9/2016
Methoxychlor	40	<0.005	9/2016
Phenanthrene		<0.013	9/2016
Pyrene		<0.013	9/2016
Simazine	4	<0.028	9/2016
Spectracide		<0.014	9/2016
Trans-Nonachlor		<0.014	9/2016
(Units)	(ppb)	(ppb)	

Secondary Drinking Water Standards/Additional Testing

Aluminum	0.2	0.063	12/2017
MBAS (surfactants)	0.5	< 0.1	5/2017
Chloride	250	19	12/2017
Color (Pt-Co units)	15	1	5/2017
Corrosivity (LI)	+/-1	-0.72	12/2017
Hardness	50-250	88	12/2017
Iron	0.3	< 0.10	12/2017
Manganese	0.05	<0.0005	12/2017
Odor (TON)	3	4.0	12/2017
pH	6.5-8.5	7.72	12/2017
Silver	0.1	<0.0005	12/2017
Total dissolved solids	500	136	12/2017
Zinc	5	0.64	12/2017
Sodium	50	17	12/2017
Sulfate	250	20	12/2017
Temperature (C)	none	21	12/2017
Residual chlorine	4	1.62	12/2017
(Units)	(ppm)	(ppm)	

Nine Year Interval

Radiological			
Gross alpha activity (includes Ra224)	15	2.1	8/2014
Asbestos			
(Units)	(MFL)	(MFL)	8/2013

Brick performs analyses for the Synthetic Organic Compounds (SOCs) shown under ann a waiver for these analyses is in place.

ABBREVIATIONS:

ppm = parts per million = mg/l
ppb = parts per billion = ug/l
ppt = parts per trillion = ng/l
MCL = maximum contaminant level
NTU = nephelometric turbidity unit
CFU = colony forming unit
MCL = maximum contaminant level
pCi/l = picocuries per liter
MFL = million fibers per liter, >10 micron
+ sample = positive sample
ND = not detected
TON = threshold odor number
LI = Langlier Index
SDWA = Safe Drink Water Act
> = greater than
< = less than (also means "not detected")