Three Valleys Municipal Water District
2015 WATER QUALITY REPORT TO TVMWD MEMBER AGENCIES

WEYMOUTH refers to the Metropolitan Water District's Weymouth Water Treatment Plant in the city of La Verne.
MIRAMAR refers to the Three Valleys Municipal Water District's Miramar Water Treatment Plant in the city of Claremont.

		WEYMOUTH EFFLUENT Range/Average	MIRAMAR EFFLUENT Range/Average	REGULATORY STANDARDS State MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Major Sources in Drinking Water
SOURCE WATER							
% of State Project Water		0	*92.57*	NA	NA	NA	
% of Groundwater			*7.43*				
PRIMARY STANDARDS - Mandatory Health-Related Standards							
CLARITY							
Combined Filter Effluent Turbidity	NTU % ≤ 0.3	**(highest) 0.5 100%**	***(highest) 0.1 100%***	**TT=1 TT (a)**	**NA**	**NA**	Soil runoff
MICROBIOLOGICAL							
Total Coliform Bacteria (b)	%	**ND - 0.2 / ND** distribution system-wide	***ND*** distribution system-wide	**5.0**	**(0)**	**NA**	Naturally present in the environment
E.coli (c)	(c)	**ND** distribution system-wide	***ND*** distribution system-wide	**(C)**	**(0)**	**NA**	Human and animal fecal waste
Heterotrophic Plate Count (d)	CFU/ mL	**TT**	***TT***	**TT**	**NA**	**NA**	Naturally present in the environment
Cryptosporidium	Oocyst 200 L	**ND**	***ND***	**TT**	**(0)**	**NA**	Human and animal fecal waste
Giardia	Cysts 200 L	**ND**	***ND***	**TT**	**(0)**	**NA**	Human and animal fecal waste
ORGANIC CHEMICALS							
Pesticides/PCBs	*Units*						
Alachlor	ppb	**ND**	***ND***	**2**	**4**	**1**	Runoff from herbicide used on row crops
Atrazine	ppb	**ND**	***ND***	**1**	**0.15**	**0.5**	Runoff from herbicide used on row crops and along highways
Bentazon	ppb	**ND**	***ND***	**18**	**200**	**2**	Runoff/leaching from herbicide used on rice, alfalfa, grapes
Carbofuran	ppb	**ND**	***ND***	**18**	**1.7**	**5**	Leaching of soil fumigant used on rice, alfalfa and grapes
Chlordane	ppt	**ND**	***ND***	**100**	**30**	**100**	Residue of banned insecticide
2,4-D	ppb	**ND**	***ND***	**70**	**20**	**10**	Runoff from herbicide used on row crops, range land, lawns and aquatic weeds
Dalapon	ppb	**ND**	***ND***	**200**	**790**	**10**	Runoff from herbicide used on rights of way, crops and landscapes
Dibromochloropropane (DBCP)	ppt	**ND**	***ND***	**200**	**1.7**	**10**	Banned nematocide that may still be present in soils due to runoff/leaching
Dinoseb	ppb	**ND**	***ND***	**7**	**14**	**2**	Runoff from herbicide used on soybeans, vegetables and fruits
Diquat	ppb	**ND**	***ND***	**20**	**15**	**4**	Runoff from herbicide used for terrestrial and aquatic weeds
Endothall	ppb	**ND**	***ND***	**100**	**94**	**45**	Runoff from herbicide used for terrestrial and aquatic weeds
Endrin	ppb	**ND**	***ND***	**2**	**1.8**	**0.1**	Residue of banned insecticide and rodenticide
Ethylene dibromide (EDB)	ppt	**ND**	***ND***	**50**	**10**	**20**	Discharge from petroleum refineries; underground gas tank leaks
Glyphosate	ppb	**ND**	***ND***	**700**	**900**	**25**	Runoff from herbicide use
Heptachlor	ppt	**ND**	***ND***	**10**	**8**	**10**	Residue of banned insecticide
Heptachlor Epoxide	ppt	**ND**	***ND***	**10**	**6**	**10**	Breakdown product of heptachlor
Lindane	ppt	**ND**	***ND***	**200**	**32**	**200**	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	ppb	**ND**	***ND***	**30**	**0.09**	**10**	Runoff/leaching from insecticide uses
Molinate (Ordram)	ppb	**ND**	***ND***	**20**	**1**	**2**	Runoff/leaching from herbicide used on rice
Oxamyl (Vydate)	ppb	**ND**	***ND***	**50**	**26**	**20**	Runoff/leaching from insecticide uses
Pentachlorophenol (PCP)	ppb	**ND**	***ND***	**1**	**0.3**	**0.2**	Discharge from wood preserving factories, other insecticidal and herbicidal uses
Picloram	ppb	**ND**	***ND***	**500**	**500**	**1**	Herbicide runoff
Polychlorinated Biphenyls (PCBs)	ppt	**ND**	***ND***	**500**	**90**	**500**	Runoff from landfills; discharge of waste chemicals
Simazine	ppb	**ND**	***ND***	**4**	**4**	**1**	Herbicide runoff
2,4,5-TP (Silvex)	ppb	**ND**	***ND***	**50**	**3**	**1**	Residue of banned herbicide
Thiobencarb	ppb	**ND**	***ND***	**70**	**70**	**1**	Runoff/leaching from herbicide used on rice
Toxaphene	ppb	**ND**	***ND***	**3**	**0.03**	**1**	Runoff/leaching from insecticide used on cotton and cattle
Semi-Volatile Organic Chemicals							
Acrylamide	NA	**TT**	***NR***	**TT**	**(0)**	**NA**	Water treatment chemical impurities
Benzo(a)pyrene	ppt	**ND**	***ND***	**200**	**7**	**100**	Leaching from linings of water storage tanks and distribution mains
Di(2-ethylhexyl) adipate	ppb	**ND**	***ND***	**400**	**200**	**5**	Discharge from chemical factories
Di(2-ethylhexyl) phthalate	ppb	**ND**	***ND***	**4**	**12**	**3**	Discharge from chemical factories; inert ingredient in pesticides
Epichlorohydrin	NA	**TT**	***NR***	**TT**	**(0)**	**NA**	Water treatment chemical impurities
Hexachlorobenzene	ppb	**ND**	***ND***	**1**	**0.03**	**0.5**	Discharge from metal refineries & agrichemical factories; wastewater chlorination reaction by-product
Hexachlorocyclopentadiene	ppb	**ND**	***ND***	**50**	**2**	**1**	Discharge from chemical factories
2,3,7,8-TCDD (Dioxin)	ppq	**ND**	***ND***	**30**	**0.05**	**5**	Emissions from waste incineration; discharge from chemical factories

Volatile Organic Chemicals

Benzene	ppb	**ND**	***ND***	**1**	**0.15**	**0.5**	Plastic factory discharge; gas tanks and landfill leaching
Carbon Tetrachloride	ppt	**ND**	***ND***	**500**	**100**	**500**	Discharge from chemical plants and other industrial activities
1,2-Dichlorobenzene	ppb	**ND**	***ND***	**600**	**600**	**0.5**	Discharge from industrial chemical factories
1,4-Dichlorobenzene	ppb	**ND**	***ND***	**5**	**6**	**0.5**	Discharge from industrial chemical factories
1,1-Dichloroethane	ppb	**ND**	***ND***	**5**	**3**	**0.5**	Extraction & degreasing solvent; fumigant
1,2-Dichloroethane	ppt	**ND**	***ND***	**500**	**400**	**500**	Discharge from industrial chemical factories
1,1-Dichloroethylene	ppb	**ND**	***ND***	**6**	**10**	**0.5**	Discharge from industrial chemical factories
cis -1,2-Dichloroethylene	ppb	**ND**	***ND***	**6**	**100**	**0.5**	Industrial chemical factory discharge; biodegradation byproduct of TCE/PCE groundwater contamination
trans -1,2-Dichloroethylene	ppb	**ND**	***ND***	**10**	**60**	**0.5**	Industrial chemical factory discharge; biodegradation byproduct of TCE/PCE groundwater contamination
Dichloromethane (methylene chloride)	ppb	**ND**	***ND***	**5**	**4**	**0.5**	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane	ppb	**ND**	***ND***	**5**	**0.5**	**0.5**	Discharge from industrial chemical factories; primary component of some fumigants
1,3-Dichloropropene	ppt	**ND**	***ND***	**500**	**200**	**500**	Runoff/leaching from nematocide used on croplands
Ethylbenzene	ppb	**ND**	***ND***	**300**	**300**	**0.5**	Discharge from petroleum refineries; industrial chemical factories
Methyl-*tert* -butyl-ether (MTBE)	ppb	**ND**	***ND***	**13**	**13**	**3**	Gasoline discharge from watercraft engines
Monochlorobenzene	ppb	**ND**	***ND***	**70**	**70**	**0.5**	Discharge from industrial, agricultural chemical factories and dry-cleaning facilities
Styrene	ppb	**ND**	***ND***	**100**	**0.5**	**0.5**	Rubber and plastics factories discharge, landfill leaching
1,1,2,2-Tetrachloroethane	ppb	**ND**	***ND***	**1**	**0.1**	**0.5**	Discharge from industrial, agricultural chemical factories; solvent uses
Tetrachloroethylene (PCE)	ppb	**ND**	***ND***	**5**	**0.06**	**0.5**	Discharge from factories, dry cleaners and auto shops
Toluene	ppb	**ND**	***ND***	**150**	**150**	**0.5**	Discharge from petroleum and chemical refineries
1,2,4-Trichlorobenzene	ppb	**ND**	***ND***	**5**	**5**	**0.5**	Discharge from textile-finishing factories
1,1,1-Trichloroethane	ppb	**ND**	***ND***	**200**	**1000**	**0.5**	Discharge from metal degreasing sites; manufacture of food wrappings
1,1,2-Trichloroethane	ppb	**ND**	***ND***	**5**	**0.3**	**0.5**	Discharge from industrial chemical factories
Trichloroethylene (TCE)	ppb	**ND**	***ND***	**5**	**1.7**	**0.5**	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane (Freon 11)	ppb	**ND**	***ND***	**150**	**1300**	**5**	Discharge from industrial factories; degreasing solvent; propellant
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ppm	**ND**	***ND***	**1.2**	**4**	**0.01**	Discharge from metal degreasing sites and other factories; dry-cleaning solvent; refrigerant
Vinyl chloride	ppt	**ND**	***ND***	**500**	**50**	**500**	Leaching from PVC piping; plastics factory discharge; biodegradation byproduct of TCE/PCE biodegradation
Xylenes	ppm	**ND**	***ND***	**1.75**	**1.8**	**0.0005**	Discharge from petroleum and chemical refineries; fuel solvent

INORGANIC CHEMICALS

Aluminum	ppb	**88 - 200 / 156**	***ND***	**1000**	**600**	**50**	Residue from water treatment process; erosion of natural deposits
Antimony	ppb	**ND**	***ND***	**6**	**20**	**6**	Discharge from petroleum refineries; fire retardant; solder; electronics
Arsenic	ppb	**2.1**	***ND***	**10**	**0.004**	**2**	Erosion of natural deposits; glass & electronics production wastes
Asbestos (e)	MFL	**ND**	***ND***	**7**	**7**	**0.2**	Internal corrosion of asbestos cement pipes; erosion of natural deposits
Barium	ppb	**ND**	***ND***	**1000**	**2000**	**100**	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium	ppb	**ND**	***ND***	**4**	**1**	**1**	Discharge from metal refineries; aerospace and defense industries
Cadmium	ppb	**ND**	***ND***	**5**	**0.04**	**1**	Internal corrosion of galvanized pipes; erosion of natural deposits
Chromium	ppb	**ND**	***ND***	**50**	**(100)**	**10**	Discharge from steel and pulp mills; erosion of natural deposits
Chromium VI (f)	ppb	**ND**	***1***	**10**	**0.02**	**1**	Runoff/leaching from natural deposits; discharge from industrical waste factories
Copper (g)	ppm	**ND**	***ND***	**AL=1.3**	**0.3**	**0.05**	Internal corrosion of household pipes; erosion of natural deposits
Cyanide	ppb	**ND**	***ND***	**150**	**150**	**100**	Discharge from steel/metal, plastic and fertilizer factories
Fluoride (h)	ppm	**0.6 - 1.0 / 0.8** (treatment related)	***0.21*** (naturally occurring)	**2**	**1**	**0.1**	Erosion of natural deposits; water additive that promotes strong teeth
Lead (g)	ppb	**ND**	***ND***	**AL=15**	**0.2**	**5**	Internal corrosion of household pipes; erosion of natural deposits
Mercury	ppb	**ND**	***ND***	**2**	**1.2**	**1**	Erosion of natural deposits; discharge from factories; runoff from landfills
Nickel	ppb	**ND**	***ND***	**100**	**12**	**10**	Erosion of natural deposits; discharge from metal factories
Nitrate (as Nitrogen) (i)	ppm	**ND**	***0.67***	**10**	**10**	**0.4**	Runoff & leaching from fertilizer use; septic tank and sewage; erosion of natural deposits
Nitrite (as Nitrogen)	ppm	**ND**	***ND***	**1**	**1**	**0.4**	Runoff & leaching from fertilizer use; septic tank and sewage; erosion of natural deposits
Perchlorate (j)	ppb	**ND**	***ND***	**6**	**1**	**4**	Industrial waste discharge
Selenium	ppb	**ND**	***ND***	**50**	**30**	**5**	Refineries, mines and chemical waste discharge; runoff from livestock lots
Thallium	ppb	**ND**	***ND***	**2**	**0.1**	**1**	Leaching from ore-processing sites; factory discharge

RADIOLOGICALS

		2014 (k)	2015				
Gross Alpha Particle Activity	pCi/L	**ND - 4 / ND**	***ND (p)***	**15**	**(0)**	**3**	Erosion of natural deposits
Gross Beta Particle Activity	pCi/L	**4 - 6 / 5**	***ND - 4.4 / 1.1***	**50 (l)**	**(0)**	**4**	Decay of natural and man-made deposits
Combined Radium (i)	pCi/L	**ND**	***ND (p)***	**5**	**(0)**	**NA**	Erosion of natural deposits
Radium 226	pCi/L	**ND**	***ND (p)***	**NA**	**0.05**	**1**	Erosion of natural deposits
Radium 228	pCi/L	**ND**	***ND (p)***	**NA**	**0.019**	**1**	Erosion of natural deposits
Strontium-90	pCi/L	**ND**	***0.680***	**8**	**0.35**	**2**	Decay of natural and man-made deposits
Tritium	pCi/L	**ND**	***40.4***	**20,000**	**400**	**1,000**	Decay of natural and man-made deposits
Uranium	pCi/L	**2 - 3 / 3**	***ND (p)***	**20**	**0.43**	**1**	Erosion of natural deposits

DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BY-PRODUCTS PRECURSORS

Total Trihalomethanes (TTHM)	ppb	**17 - 66 / 39** Distribution system-wide (m)	***26.2 - 68.6*** Distribution system-wide (m)	**80**	**NA**	**1**	By-product of drinking water disinfection
Haloacetic Acids (HAA5)	ppb	**1.7 - 20 / 17** Distribution system-wide (m)	***5.36 - 17.40*** Distribution system-wide (m)	**60**	**NA**	**1**	By-product of drinking water disinfection
Total Chlorine Residual	ppm	**1.1 - 3.0 / 2.4** Distribution system-wide	***2.32 - 2.97*** Distribution system-wide	**[4.0]**	**[4.0]**	**NA**	Drinking water disinfectant added for treatment
DBP Precursor Control (TOC)	ppm	**TT**	***TT***	**TT**	**NA**	**0.30**	Various natural and man-made sources; TOC sa a medium for the formation of disinfection byproducts

SECONDARY STANDARDS - Aesthetic Standards

Aluminum	ppb	**88 - 200 / 156**	***ND***	**200**	**600**	**50**	Residue from water treatment processes; natural deposits erosion
Chloride	ppm	**98 - 102 / 100**	***75***	**500**	**NA**	**NA**	Runoff/leaching from natural deposits; seawater influence
Color	units	**1**	***ND***	**15**	**NA**	**NA**	Naturally occurring organic materials
Copper (g)	ppm	**ND**	***ND***	**1**	**0.3**	**0.05**	Internal corrosion of household pipes; natural deposits erosion; wood preservatives leaching
Foaming Agents-MBAS	ppb	**ND**	***ND***	**500**	**NA**	**NA**	Municipal and industrial waste discharges
Iron	ppb	**ND**	***ND***	**300**	**NA**	**100**	Leaching from natural deposits; industrial wastes
Manganese	ppb	**ND**	***ND***	**50**	**NL=500**	**20**	Leaching from natural deposits
Methyl tert-butyl-ether (MTBE) (e,f)	ppb	**ND**	***ND***	**5**	**13**	**3**	Gasoline discharges from watercraft engines
Odor Threshold	TON	**2**	***1***	**3**	**NA**	**1**	Naturally occurring organic materials
Silver	ppb	**ND**	***ND***	**100**	**NA**	**10**	Industrial discharges
Specific Conductance	µS/cm	**1,030 - 1,060 / 1,040**	***560***	**1,600**	**NA**	**NA**	Substances that form ions when in water; seawater influence
Sulfate	ppm	**252 - 261 / 257**	***75***	**500**	**NA**	**0.5**	Runoff/leaching from natural deposits; industrial wastes
Thiobencarb (e)	ppb	**ND**	***ND***	**1**	**70**	**1**	Runoff/leaching from rice herbicide
Total Dissolved Solids	ppm	**654 - 665 / 660**	***320***	**1,000**	**NA**	**NA**	Runoff/leaching from natural deposits; seawater influence
Turbidity (a)	NTU	**ND**	***ND***	**5**	**NA**	**NA**	Soil runoff
Zinc	ppm	**ND**	***ND***	**5.0**	**NA**	**0.05**	Runoff/leaching from natural deposits; industrial wastes

OTHER PARAMETERS

Alkalinity	ppm	**123 - 129 / 126**	***81 - 88 /84.5***	**NA**	**NA**	**NA**	Measure of water quality
Boron	ppb	**120**	***210***	**NL=1,000**	**NA**	**100**	Runoff/leaching from natural deposits; industrial wastes
Calcium	ppm	**77 - 78 / 78**	***30***	**NA**	**NA**	**NA**	Measure of water quality
Chlorate	ppb	**104**	***ND***	**NL=800**	**NA**	**20**	By-product of drinking water chlorination; industrial processes
Corrosivity (o) (as Aggressiveness Index)	AI	**12.5**	***11.83***	**NA**	**NA**	**NA**	Elemental balance in water; affected by temperature, other factors
Corrosivity (n) (as Saturation Index)	SI	**0.57**	***0.01***	**NA**	**NA**	**NA**	Elemental balance in water; affected by temperature, other factors
Hardness (as $CaCO_3$)	ppm	**296 - 304 / 300**	***100***	**NA**	**NA**	**NA**	Measure of water quality
Magnesium	ppm	**26 - 28 / 27**	***7.2***	**NA**	**NA**	**NA**	Measure of water quality
pH	pH units	**8.1**	***8.27 - 8.79 / 8.57***	**NA**	**NA**	**NA**	Measure of water quality
Potassium	ppm	**4.8 - 5.0 / 4.9**	***2.2***	**NA**	**NA**	**NA**	Measure of water quality
Radon (k)	pCi/L	**ND**	***NR***	**NA**	**NA**	**100**	Naturally occurring, comes from decay of uranium in nearly all soils
Sodium	ppm	**97 - 102 / 100**	***72***	**NA**	**NA**	**NA**	Measure of water quality
Total organic carbon (TOC)	ppm	**2.4 - 2.8 / 2.6**	***1.2***	**TT**	**NA**	**0.30**	Various natural and man-made sources;TOC as the formation of disinfection byproducts
Vanadium	ppb	**ND**	***5.4***	**NL=50**	**NA**	**3**	Naturally occurring; industrial waste discharge
N-Nitrosodimethylamine (NDMA)	ppt	**ND**	***ND***	**NL=10**	**3**	**2**	By-product of drinking water chlorination; industrial processes
Dichlorodifluoromethane (Freon 12)	ppb	**ND**	***ND***	**NL=1,000**	**NA**	**0.5**	Industrial waste discharge
Ethyl-*tert*-butyl-ether (ETBE)	ppb	**ND**	***ND***	**NA**	**NA**	**3**	Used as gasoline additive
tert-Amyl-methyl-ether (TAME)	ppb	**ND**	***ND***	**NA**	**NA**	**3**	Used as gasoline additive
tert-Butyl alcohol (TBA)	ppb	**ND**	***ND***	**NL=12**	**NA**	**2**	MTBE breakdown product; used as gasoline additive
Trichloropropane (1,2,3-TCP)	ppb	**NC**	***ND***	**NL=.005**	**0.0007**	**0.005**	Industrial solvent anddegreasing/ cleaning agent; found in

KEY TO ABBREVIATIONS			
Ai	Aggressiveness Index	ND	= None Detected
AL	= Action level	NL	= Notification Level
CFU/ml	= Colony Forming Units per milliliter	NR	= Not Required
DBP	= Disinfection By-Products	NTU	= Nephelometric Turbidity Units
DLR	= Detection Limits for Purposes of Reporting	pCi/L	= PicoCuries per liter
LRAA	= Locational Running Annual Average; highest LRAA is the highest of all Locational Running Annual Averages calculated as average of all samples collected within a 12-month period	PHG	= Public Health Goal
		ppb	= parts per billion or micrograms per liter (ug/L)
		ppm	= parts per million ormilligrams per liter (mg/L)
		ppq	= parts per quadrillion or picograms per liter (pg/L)
MCL	= Maximum Contaminant Level	ppt	= parts per trillion or nanograms per liter (ng/L)
MCLG	= Maximum Contaminant Level Goal	RAA	= Running Annual Average; highest RAA is the highest of all Running Annual Averages calculated as average of all the samples collected within a twelve-month period.
MFL	= million fibers per liter		
MRDL	= Maximum Residual Disinfectant Level	Si	= Saturation Index (Langelier)
MRDLG	= Maximum Residual Disinfectant Level Goal	TON	= Threshold Odor Number
MPN	= Most Probable Number	TT	= Treatment Technique is a required process intended to reduce the level of a contaminant in
NA	= Not Applicable	µS/cm	= microSiemen per centimeter; or micromho per centimeter (µS/cm
NC	= Not Collected		

a)	As a Primary Standard, the turbidity level of the filtered water were less than or equal to 0.3 NTU in 95% of the measurements taken each month and shall not exceed 1.0 NTU at anytime. Turbidity is a measure of the cloudiness of water and is a good indicator of treatment performance.
b)	Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform positive. Compliance is based on the combined distribution system. sampling. In 2015, 7,509 samples were analyzed from MWD (3 samples were positive for total colifoms) and samples were analyzed from TVMWD (0 samples were positive for
c)	*E. coli* MCL: The occurrence of two consecutive total coliform-positive samples, one of which contained *E. coli* , constitutes an acute MCL violation. The MCL was not
d)	All distribution system samples collected had detectable total chlorine residuals and no HPC was required. HPC reporting level is 1 CFU/ml. Values are based on
e)	Data are from samples collected in 2011 for MWD and are reported once every nine-year compliance cycle until the next samples are collected. Data for TVMWD is
f)	MWD's chromium VI reporting level is 0.03 ppb which is below the state DLR of 1 ppb. Data above MWD's reporting level and below the DLR are reported as ND in this report-available upon request.
g)	As a wholesaler, MWD and TVMWD are not required to collect samples at the consumers' tap under the Lead and Copper Rule. Lead and copper results are from
h)	MWD and TVMWD were in compliance with all provisions of the State's Fluoridation System Requirements. Starting June 1, 2015 the fluoride leves at the Weymouth Plant was adjusted to achieve an optimal fluoride level of 0.7 ppm and a control range of 0.6 ppm to 1.2 ppm to comply with the existing Stat's Water Fluoridation
i)	State MCL is 45 ppm as nitrate, which is the equivalent of 10 ppm as N.
j)	MWD's perchlorate reporting level is 0.1 ppb which is below the state DLR of 4 ppb. Data above MWD's reporting level and below the DLR are reported as ND in this report-available upon request.
k)	MWD data are from samples collected (triennially) during four consecutive quarters of monitoring in 2014 and reported for three years until the next samples are collected.
l)	DDW considers 50 pCi/L to be the level of concern for beta particles.
m)	Compliance was based on the highest Locational Running Annual Average (LRAA) of all data collected at distribution system-wide monitoring locations. Results are
n)	SI measures the tendency for a water to precipitate or dissolve calcium carbonate (a natural mineral in water). Water with SI <-2.0 is highly corrosive and would be corrosive to almost all materials found in a typical water system. SI between -2.0 to 0 indicates a balanced water and SI >0.5 is scale forming.
o)	AI measures the aggressiveness of water transported through pipes. Water with AI <10.0 is highly aggressive and would be very corrosive to almost all materials found in a typical water system. AI ≥ 12.0 indicates non-aggressive water. AI between 10.0 and 11.9 indicates moderately aggressive water.
p)	TVMWD data are from samples collected (triennially) during four consecutive quarters of monitoring in 2014 and reported for three years until the next samples are collected. Gross Beta, Strontium and Tritum are done annually.

revised 3/30/16