

The Commonwealth of Massachusetts



Department of Environmental Protection

*Division of Environmental Analysis
Senator William X. Wall Experiment Station*

certifies

M-MA153

**MWRA CENTRAL LABORATORY
DEER IS TREATMENT PLANT
190 TAFTS AVE
WINTHROP, MA 02152-0000**

Laboratory Director: **Michael F. DELANEY, PH.D.**

for the analysis of **NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (RADIOCHEMISTRY)
NON POTABLE WATER
(MICROBIOLOGY)
POTABLE WATER (MICROBIOLOGY)
POTABLE WATER (CHEMISTRY)**

pursuant to **310 CMR 42.00**

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.



Director, Division of Environmental Analysis

Issued: **01 JUL 2012**

Expires: **30 JUN 2013**

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 01 JUL 2012

**M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA**

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2012 Expiration Date 30 JUN 2013

Analytes

E. COLI	AMBIENT WATER
ENTEROCOCCI	AMBIENT WATER
FECAL COLIFORM	WASTEWATER
E. COLI	WASTEWATER
ENTEROCOCCI	WASTEWATER

Methods

SM 9223B-COLILERT
ENTEROLERT
MF-SM9222D
SM 9223B-COLILERT
ENTEROLERT

POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2012 Expiration Date 30 JUN 2013

Analytes

HETEROTROPHIC PLATE COUNT	
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
FECAL COLIFORM	SOURCE WATER (ENUMERATION)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	SOURCE WATER (ENUMERATION)
ENTEROCOCCI	SOURCE WATER (P/A)

Methods

SM9215B
ENZ. SUB. SM9223
MF-SM9222D
ENZ. SUB. SM9223
SM 9223B-COLILERT
ENTEROLERT

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2012**

**M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA**

NON POTABLE WATER (CHEMISTRY)	Effective Date	01 JUL 2012	Expiration Date	30 JUN 2013
<u>Analytes</u>			<u>Methods</u>	
ALUMINUM			EPA 200.7	
ALUMINUM			EPA 200.8	
ANTIMONY			EPA 200.7	
ANTIMONY			EPA 200.9	
ANTIMONY			EPA 200.8	
ARSENIC			EPA 200.7	
ARSENIC			EPA 200.9	
ARSENIC			EPA 200.8	
BERYLLIUM			EPA 200.7	
BERYLLIUM			EPA 200.8	
CADMIUM			EPA 200.7	
CADMIUM			EPA 200.9	
CADMIUM			EPA 200.8	
CHROMIUM			EPA 200.7	
CHROMIUM			EPA 200.9	
CHROMIUM			EPA 200.8	
COBALT			EPA 200.7	
COBALT			EPA 200.8	
COPPER			EPA 200.7	
COPPER			EPA 200.9	
COPPER			EPA 200.8	
IRON			EPA 200.7	
LEAD			EPA 200.7	
LEAD			EPA 200.9	
LEAD			EPA 200.8	
MANGANESE			EPA 200.7	
MANGANESE			EPA 200.8	
MERCURY			EPA 245.1	
MERCURY			EPA 245.7	
MOLYBDENUM			EPA 200.7	
MOLYBDENUM			SM 3113 B	
MOLYBDENUM			EPA 200.8	
NICKEL			EPA 200.7	
NICKEL			EPA 200.9	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.7	
SELENIUM			EPA 200.9	
SELENIUM			EPA 200.8	
SILVER			EPA 200.9	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
THALLIUM			EPA 200.7	
THALLIUM			EPA 200.9	

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2012**

**M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA**

NON POTABLE WATER (CHEMISTRY)	Effective Date	01 JUL 2012	Expiration Date	30 JUN 2013
<u>Analytes</u>			<u>Methods</u>	
THALLIUM			EPA 200.8	
TITANIUM			EPA 200.7	
VANADIUM			EPA 200.7	
VANADIUM			EPA 200.8	
ZINC			EPA 200.7	
ZINC			EPA 200.8	
PH			SM 4500-H-B	
SPECIFIC CONDUCTIVITY			SM 2510B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
HARDNESS (CaCO3), TOTAL			SM 2340B	
CALCIUM			EPA 200.7	
MAGNESIUM			EPA 200.7	
SODIUM			EPA 200.7	
POTASSIUM			EPA 200.7	
ALKALINITY, TOTAL			SM 2320B	
CHLORIDE			EPA 300.0	
SULFATE			EPA 300.0	
AMMONIA-N			EPA 350.1	
NITRATE-N			EPA 353.2	
KJELDAHL-N			EPA 351.2	
ORTHOPHOSPHATE			EPA 365.1	
PHOSPHORUS, TOTAL			EPA 365.1	
CHEMICAL OXYGEN DEMAND			HACH METHOD 8000	
BIOCHEMICAL OXYGEN DEMAND			SM 5210B	
TOTAL ORGANIC CARBON			SM 5310B	
CYANIDE, TOTAL			EPA 335.4	
CYANIDE, TOTAL			LACHAT 10-204-00-1-X	
NON-FILTERABLE RESIDUE			SM 2540D	
CHLORINE, TOTAL RESIDUAL			SM 4500-CL-G	
OIL AND GREASE			EPA 1664	
VOLATILE HALOCARBONS			EPA 624	
VOLATILE AROMATICS			EPA 624	
CHLORDANE			EPA 608	
ALDRIN			EPA 608	
ALPHA-BHC			EPA 608	
BETA-BHC			EPA 608	
GAMMA-BHC			EPA 608	
DELTA-BHC			EPA 608	
DIELDRIN			EPA 608	
DDD			EPA 608	
DDE			EPA 608	
DDT			EPA 608	
ENDOSULFAN I			EPA 608	

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2012**

**M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA**

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2012 Expiration Date 30 JUN 2013

<u>Analytes</u>	<u>Methods</u>
ENDOSULFAN II	EPA 608
ENDOSULFAN SULFATE	EPA 608
ENDRIN	EPA 608
ENDRIN ALDEHYDE	EPA 608
HEPTACHLOR	EPA 608
HEPTACHLOR EPOXIDE	EPA 608
SVOC-ACID EXTRACTABLES	EPA 625
SVOC-BASE/NEUTRAL EXTRACTABLES	EPA 625
POLYCHLORINATED BIPHENYLS (WATEF	EPA 608

POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2012 Expiration Date 30 JUN 2013

<u>Analytes</u>	<u>Methods</u>
ANTIMONY	EPA 200.8
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.8
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BARIUM	EPA 200.8
BERYLLIUM	EPA 200.7
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.7
CADMIUM	EPA 200.8
CADMIUM	EPA 200.9
CHROMIUM	EPA 200.7
CHROMIUM	EPA 200.8
CHROMIUM	EPA 200.9
COPPER	EPA 200.7
COPPER	EPA 200.8
COPPER	EPA 200.9
LEAD	EPA 200.8
LEAD	EPA 200.9
MERCURY	EPA 245.1
MERCURY	EPA 200.8
NICKEL	EPA 200.7
NICKEL	EPA 200.8
NICKEL	EPA 200.9
SELENIUM	EPA 200.8
SELENIUM	EPA 200.9
SILVER	EPA 200.8
THALLIUM	EPA 200.8
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2012

M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA

POTABLE WATER (CHEMISTRY)

Effective Date 01 JUL 2012

Expiration Date 30 JUN 2013

Analytes

Methods

NITRITE-N

EPA 353.2

FLUORIDE

SM 4500-F-C

SODIUM

EPA 200.7

SULFATE

EPA 300.0

CYANIDE, TOTAL

EPA 335.4

CYANIDE, TOTAL

LACHAT 10-204-00-1-X

TURBIDITY

SM 2130B

CHLORINE, RESIDUAL FREE

SM 4500-CL-G

CALCIUM

EPA 200.7

ALKALINITY, TOTAL

SM 2320B

TOTAL DISSOLVED SOLIDS

SM 2540C

PH

SM 4500-H-B

HEPTACHLOR EPOXIDE

EPA 505

TRIHALOMETHANES

EPA 524.2

VOLATILE ORGANIC COMPOUNDS

EPA 524.2

HALOACETIC ACIDS

EPA 552.2

BROMATE

EPA 300.1

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2012

M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA

POTABLE WATER (RADIOCHEMISTRY) Effective Date 01 JUL 2012 Expiration Date 30 JUN 2013

Analytes

URANIUM

Methods

EPA 200.8



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

William X. Wall Experiment Station • 37 Shattuck Street, Lawrence MA 01843 • 978-682-5237

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

RICHARD K. SULLIVAN JR.
Secretary

KENNETH L. KIMMELL
Commissioner

June 30, 2012

RE: Renewal of Massachusetts DEP Certification of Massachusetts Laboratory

Dear Environmental Laboratory Director:

Enclosed is your renewed Massachusetts certificate for environmental analysis. This certificate with the accompanying certified parameter list is in effect through June 30, 2013 and is subject to revision throughout the year to reflect your laboratory's performance in proficiency tests (PTs) and on-site inspections. **Be sure to successfully perform PT studies for the analytes and methods that are on the parameter list.**

Please **EXAMINE** the certificate and the certified parameter list **VERY CAREFULLY** to ensure that the categories, analytes, and methods for which your laboratory is approved appear correct. Please verify the accuracy of your laboratory's name, address, and director and notify me **in writing** within 10 days of receipt of this letter of any corrections to be made.

Please display the certified parameter list with your certificate. Your certificate is valid only when accompanied by the latest dated certified parameter list as issued by MassDEP.

Remember to notify this office of any significant changes at your laboratory within the prescribed time lines in accordance with 310 CMR 42.13.

Please note that, pursuant to 310 CMR 42.12(2)(d), the Department may issue written notice of revocation of certification to a laboratory that has had its certification status downgraded to provisional certification status and that fails to satisfactorily correct deficiencies within six months of the notice of downgrading to provisional certification status.

Pursuant to 310 CMR 42.12(2)(e), a laboratory that has had its certification status revoked and that fails to satisfactorily correct deficiencies within six months of the notice of revocation must comply with the permit application process, including payment of the application fee, if it wishes to secure certification. **Note that this regulation applies to revocations of certification for any deficiency, including failed proficiency tests.**

If you intend to modify methods or analytical requirements pursuant to 40 CFR Part 136.6, please notify this office prior to making any changes.

If you have any questions regarding the Massachusetts Laboratory Certification Program, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Marie Allen".

Ann Marie Allen
Director, Laboratory Certification Office

2012isrenew.doc