

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**BUREAU OF LABORATORIES
LABORATORY ACCREDITATION PROGRAM**



Certifies That

03-00457

CWM Environmental Inc

101 Parkview Drive Extension, Kittanning, PA 16201

Having duly met the requirement of
The act of June 29, 2002 (P.L. 596, No. 90)
dealing with Environmental Laboratories Accreditation
(27 Pa. C.S. §§4104-4113) and the
National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

Accredited Laboratory

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

Expiration Date: 01/31/2018

Certificate Number: 016

A handwritten signature in black ink, appearing to read "Aaren Alger".

Conditional accreditation status depends on successful ongoing participation in the program
Certificate not transferable. Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body

**Aaren S. Alger, Chief
Laboratory Accreditation Program
Bureau of Laboratories**

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 016-001 expiration date January 31, 2018. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

DEP Laboratory ID: 03-00457

EPA Lab Code: PA00180

TNI Code: TNI02123

(724) 543-3011

PADWIS ID: 03457

CWM Environmental Inc

101 Parkview Drive Extension

Kittanning, PA 16201

Matrix: Drinking Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
EPA 180.1		Turbidity	NELAP	PA	9/9/2013
EPA 200.7	4.4	Aluminum	NELAP	PA	9/9/2013
EPA 200.7	4.4	Barium	NELAP	PA	11/15/2011
EPA 200.7	4.4	Beryllium	NELAP	PA	11/15/2011
EPA 200.7	4.4	Cadmium	NELAP	PA	11/15/2011
EPA 200.7	4.4	Calcium	NELAP	PA	11/7/2003
EPA 200.7	4.4	Chromium	NELAP	PA	11/15/2011
EPA 200.7	4.4	Copper	NELAP	PA	9/25/2003
EPA 200.7	4.4	Iron	NELAP	PA	9/9/2013
EPA 200.7	4.4	Magnesium	NELAP	PA	8/28/2012
EPA 200.7	4.4	Manganese	NELAP	PA	9/9/2013
EPA 200.7	4.4	Nickel	NELAP	PA	6/3/2013
EPA 200.7	4.4	Potassium	NELAP	PA	9/9/2013
EPA 200.7	4.4	Silver	NELAP	PA	9/9/2013
EPA 200.7	4.4	Sodium	NELAP	PA	9/9/2013
EPA 200.7	4.4	Zinc	NELAP	PA	9/9/2013
EPA 300.0	2.1	Bromide	NELAP	PA	2/1/2010
EPA 300.0	2.1	Chloride	NELAP	PA	9/9/2013
EPA 300.0	2.1	Fluoride	NELAP	PA	9/25/2003
EPA 300.0	2.1	Nitrate as N	NELAP	PA	9/25/2003
EPA 300.0	2.1	Nitrite as N	NELAP	PA	9/25/2003
EPA 300.0	2.1	Sulfate	NELAP	PA	9/25/2003
EPA 524.2	4.1	1,1,1-Trichloroethane	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,1,2-Trichloroethane	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,2,4-Trichlorobenzene	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,2-Dichloroethane	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,2-Dichloropropane	NELAP	PA	1/11/2012
EPA 524.2	4.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	1/11/2012
EPA 524.2	4.1	Benzene	NELAP	PA	1/11/2012
EPA 524.2	4.1	Bromodichloromethane	NELAP	PA	11/22/2011
EPA 524.2	4.1	Bromoform	NELAP	PA	11/22/2011
EPA 524.2	4.1	Carbon tetrachloride	NELAP	PA	1/11/2012
EPA 524.2	4.1	Chlorobenzene	NELAP	PA	1/11/2012
EPA 524.2	4.1	Chloroform	NELAP	PA	11/22/2011
EPA 524.2	4.1	Dibromochloromethane	NELAP	PA	11/22/2011
EPA 524.2	4.1	Ethylbenzene	NELAP	PA	1/11/2012
EPA 524.2	4.1	Methylene chloride (Dichloromethane)	NELAP	PA	1/11/2012



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.

Laboratory Scope of Accreditation

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DEP Laboratory ID: 03-00457

EPA Lab Code: PA00180

TNI Code: TNI02123

(724) 543-3011

PADWIS ID: 03457

Matrix: Drinking Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
EPA 524.2	4.1	Styrene	NELAP	PA	1/11/2012
EPA 524.2	4.1	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	1/11/2012
EPA 524.2	4.1	Toluene	NELAP	PA	1/11/2012
EPA 524.2	4.1	Total trihalomethanes (TTHMs)	NELAP	PA	11/22/2011
EPA 524.2	4.1	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	1/11/2012
EPA 524.2	4.1	Vinyl chloride (Chloroethene)	NELAP	PA	1/11/2012
EPA 524.2	4.1	Xylenes, total	NELAP	PA	1/11/2012
EPA 524.2	4.1	cis-1,2-Dichloroethene	NELAP	PA	1/11/2012
EPA 524.2	4.1	trans-1,2-Dichloroethene	NELAP	PA	1/11/2012
EPA 552.2	1.0	Bromoacetic acid (Monobromoacetic acid, MBAA)	NELAP	PA	11/22/2011
EPA 552.2	1.0	Chloroacetic acid (Monochloroacetic acid, MCAA)	NELAP	PA	11/22/2011
EPA 552.2	1.0	Dibromoacetic acid (DBAA)	NELAP	PA	11/22/2011
EPA 552.2	1.0	Dichloroacetic acid (DCAA)	NELAP	PA	11/22/2011
EPA 552.2	1.0	Total haloacetic acids (HAA)	NELAP	PA	11/22/2011
EPA 552.2	1.0	Trichloroacetic acid (TCAA)	NELAP	PA	11/22/2011
SM 2320 B		Alkalinity as CaCO ₃	NELAP	PA	9/25/2003
SM 2510 B		Conductivity	NELAP	PA	9/9/2013
SM 2540 C		Residue, filterable (TDS)	NELAP	PA	9/25/2003
SM 2540 D		Residue, nonfilterable (TSS)	NELAP	PA	9/9/2013
SM 2550 B		Temperature, deg. C	NELAP	PA	9/9/2013
SM 4500-H+ B		pH	NELAP	PA	11/7/2003
SM 5310 B		Total organic carbon (TOC)	NELAP	PA	2/1/2010
SM 9215 B		Heterotrophic bacteria (Enumeration)	NELAP	PA	3/31/2008
SM 9223 Colilert		E. coli (Enumeration)	NELAP	PA	12/15/2015
SM 9223 Colilert		Total coliform & E. coli (P/A)	NELAP	PA	6/2/2010

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
ASTM D1385-88		Hydrazine	NELAP	PA	10/9/2007
Colilert 18/Quantitray		Fecal coliform (Enumeration)	NELAP	PA	12/15/2015
EPA 120.1		Conductivity	NELAP	PA	4/11/2003
EPA 1664	A	Oil and grease	NELAP	PA	8/18/2003
EPA 180.1		Turbidity	NELAP	PA	7/12/2006
EPA 200.7	4.4	Aluminum	NELAP	PA	7/12/2006
EPA 200.7	4.4	Antimony	NELAP	PA	7/8/2009
EPA 200.7	4.4	Arsenic	NELAP	PA	7/8/2009
EPA 200.7	4.4	Barium	NELAP	PA	3/12/2007
EPA 200.7	4.4	Beryllium	NELAP	PA	7/8/2009
EPA 200.7	4.4	Boron	NELAP	PA	7/8/2009
EPA 200.7	4.4	Cadmium	NELAP	PA	7/8/2009
EPA 200.7	4.4	Calcium	NELAP	PA	8/18/2003
EPA 200.7	4.4	Chromium	NELAP	PA	3/12/2007



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EPA Lab Code: PA00180

TNI Code: TNI02123

(724) 543-3011

PADWIS ID: 03457

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
EPA 200.7	4.4	Cobalt	NELAP	PA	7/8/2009
EPA 200.7	4.4	Copper	NELAP	PA	7/12/2006
EPA 200.7	4.4	Iron	NELAP	PA	8/18/2003
EPA 200.7	4.4	Lead	NELAP	PA	7/8/2009
EPA 200.7	4.4	Magnesium	NELAP	PA	8/18/2003
EPA 200.7	4.4	Manganese	NELAP	PA	8/18/2003
EPA 200.7	4.4	Molybdenum	NELAP	PA	7/8/2009
EPA 200.7	4.4	Nickel	NELAP	PA	3/12/2007
EPA 200.7	4.4	Potassium	NELAP	PA	8/18/2003
EPA 200.7	4.4	Selenium	NELAP	PA	8/27/2009
EPA 200.7	4.4	Silver	NELAP	PA	7/8/2009
EPA 200.7	4.4	Sodium	NELAP	PA	8/18/2003
EPA 200.7	4.4	Strontium	NELAP	PA	10/6/2011
EPA 200.7	4.4	Thallium	NELAP	PA	7/8/2009
EPA 200.7	4.4	Tin	NELAP	PA	7/8/2009
EPA 200.7	4.4	Titanium	NELAP	PA	7/8/2009
EPA 200.7	4.4	Zinc	NELAP	PA	7/12/2006
EPA 300.0	2.1	Chloride	NELAP	PA	7/12/2006
EPA 300.0	2.1	Sulfate	NELAP	PA	11/8/2005
EPA 335.4		Cyanide	NELAP	PA	12/15/2015
EPA 350.1		Ammonia as N	NELAP	PA	11/20/2014
EPA 624		1,1,1-Trichloroethane	NELAP	PA	4/16/2013
EPA 624		1,1,2,2-Tetrachloroethane	NELAP	PA	4/16/2013
EPA 624		1,1,2-Trichloroethane	NELAP	PA	4/16/2013
EPA 624		1,1-Dichloroethane	NELAP	PA	4/16/2013
EPA 624		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	4/16/2013
EPA 624		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/16/2013
EPA 624		1,2-Dichloroethane	NELAP	PA	4/16/2013
EPA 624		1,2-Dichloropropane	NELAP	PA	4/16/2013
EPA 624		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/16/2013
EPA 624		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/16/2013
EPA 624		2-Chloroethyl vinyl ether	NELAP	PA	4/16/2013
EPA 624		Acrolein (Propenal)	NELAP	PA	4/16/2013
EPA 624		Acrylonitrile	NELAP	PA	4/16/2013
EPA 624		Benzene	NELAP	PA	4/16/2013
EPA 624		Bromodichloromethane	NELAP	PA	4/16/2013
EPA 624		Bromoform	NELAP	PA	4/16/2013
EPA 624		Bromomethane (Methyl bromide)	NELAP	PA	4/16/2013
EPA 624		Carbon tetrachloride	NELAP	PA	4/16/2013
EPA 624		Chlorobenzene	NELAP	PA	4/16/2013
EPA 624		Chloroethane	NELAP	PA	4/16/2013
EPA 624		Chloroform	NELAP	PA	4/16/2013
EPA 624		Chloromethane (Methyl chloride)	NELAP	PA	4/16/2013
EPA 624		Dibromochloromethane	NELAP	PA	4/16/2013
EPA 624		Ethylbenzene	NELAP	PA	4/16/2013



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PADWIS ID: 03457

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
EPA 624		Methylene chloride (Dichloromethane)	NELAP	PA	4/16/2013
EPA 624		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	4/16/2013
EPA 624		Toluene	NELAP	PA	4/16/2013
EPA 624		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	4/16/2013
EPA 624		Trichlorofluoromethane (Freon 11)	NELAP	PA	4/16/2013
EPA 624		Vinyl chloride (Chloroethene)	NELAP	PA	4/16/2013
EPA 624		Xylenes, total	NELAP	PA	4/16/2013
EPA 624		cis-1,3-Dichloropropene	NELAP	PA	4/16/2013
EPA 624		trans-1,2-Dichloroethene	NELAP	PA	4/16/2013
EPA 624		trans-1,3-Dichloropropene	NELAP	PA	4/16/2013
HACH 8000		Chemical oxygen demand (COD)	NELAP	PA	9/19/2007
SM 2310 B		Acidity as CaCO ₃	NELAP	PA	10/9/2007
SM 2320 B		Alkalinity as CaCO ₃	NELAP	PA	11/7/2003
SM 2540 C		Residue, filterable (TDS)	NELAP	PA	4/10/2007
SM 2540 D		Residue, nonfilterable (TSS)	NELAP	PA	4/10/2007
SM 3500-Cr B	20-22	Chromium VI	NELAP	PA	11/8/2007
SM 4500-Cl G		Total residual chlorine	NELAP	PA	12/11/2012
SM 4500-H+ B		pH	NELAP	PA	11/7/2003
SM 4500-NH ₃ B		Ammonia distillation	NELAP	PA	4/10/2007
SM 4500-O G		Oxygen (dissolved)	NELAP	PA	3/1/2006
SM 4500-P E		Phosphorus, total	NELAP	PA	11/8/2007
SM 5210 B		Biochemical oxygen demand (BOD)	NELAP	PA	7/12/2006
SM 5210 B		Carbonaceous BOD (CBOD)	NELAP	PA	3/23/2006
SM 5310 B		Total organic carbon (TOC)	NELAP	PA	2/1/2010



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