



Pennsylvania Department of Environmental Protection

Rachel Carson State Office Building  
P. O. Box 8467  
Harrisburg, PA 17105-8467  
May 12, 2004

Bureau of Water Supply and Wastewater Management

717-705-4090

Todd A. Raish  
Vice President - Operations  
360water, Inc.  
2450 Advanced Business Center Dr.  
Columbus, Ohio 43228

Dear Mr. Raish:

I have completed review of the 26 courses shown below. Some of the courses were old submissions with unresolved applications and some were revisions with additional content under previous applications. These courses are approved under the Pennsylvania Water and Wastewater Operator Training Program for the contact hours shown.

Course ID#	Title	Approved Hours	Approved for	
			Water (X)	Wastewater (X)
101	Accident Investigation – WTR	1	X	X
108	Leadership and How to Affect Change In Public Organizations –WTR	1	X	X
160	Drinking Water Ion Exchange Softening	1	X	
140	Fundamentals of Coagulation and Flocculation	1	X	
125	Wastewater Treatment Theory Class 1	1		X
126	Wastewater Treatment Theory Class 2	1		X
127	Wastewater Treatment Theory Class 3	1		X
109	Ultraviolet Disinfection 1 – WTR	1	X	
111	How to Perform Total Coliform Analytical Test for Drinking Water Quality	1	X	
113	Biochemical Oxygen Demand (BOD) and Carbonaceous Biochemical Oxygen Demand	1		X



Course ID#	Title	Approved Hours	Approved for	
			Water (X)	Wastewater (X)
114	How to Perform Fecal Coliform Analytical Test For Wastewater Treatment Plant Effluent	1		X
120	Solids analysis	1		X
104	Blood Borne Pathogens	1	X	X
123	Trickling Filters	1		X
118	Microscopic Examination of Activated Sludge	1		X
520	Cross Connection Control	1	X	
528	Lock Out Tag Out – The Control of Hazardous Energy -WTR	1	X	X
122	Problems Caused By Roots In Sewers	1	X	X
522	Media Filtration for Drinking Water	1	X	
519	Basic Safety Fundamentals for the Water & Distribution System Operator	1	X	
524	Introduction to Membrane Operations for Small Utilities	1	X	
525	Membrane Unit Operations	1	X	
526	System Design and Flow Configurations for Membrane Operations	1	X	
521	Introduction to Distribution System Piping and Valving	1	X	
527	Terms and Equations for Membrane Operations	1	X	
523	Water Quality Management	1	X	

Please note that Pa. DEP considers the Wastewater Treatment Theory series (course IDs 125, 126, and 127) to be review material rather than actual training. However, due to the interaction involved and value of the material in helping to prepare an operator for a certification exam, those three courses are approved with the condition that they be marketed for pre-certification training. We request that those courses be targeted at operators studying to take the relevant certification exams, not at operators seeking continuing education.

For your information, I am also including an attachment showing the status of all of your courses within the framework of an earlier document with which you should be familiar. This provides you with a complete update of all 41 of your courses that are now approved by Pa. DEP.