

[PROPOSED]

TITLE 64
LEGISLATIVE RULES
DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY OPERATOR REGULATIONS

SERIES 4

198__

Modifications Requested by the Legislative
Rule-Making Review Committee
August 29, 1988

FILED

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SECRETARY OF STATE

LEGISLATIVE RULES
DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY OPERATOR REGULATIONS

64 CSR 4

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(PROPOSED)
TITLE 64
LEGISLATIVE RULES
DEPARTMENT OF HEALTH

SERIES 4
PUBLIC WATER SUPPLY OPERATOR REGULATIONS

§64-4-1. General

1.1. Scope - These legislative rules establish This legislative rule establishes the rules and regulations of the West Virginia State Board of Health governing the examination and certification of operators of public water supplies.

1.2. Authority and Related - W. Va. Code §16-1-7(2).

1.3. Filing Date -

1.4. Effective Date -

1.5. Final Approval - This rule was approved by the State Board of Health on April 29, 1988.

§64-4-2. Application and Enforcement

2.1. Application - These legislative rules apply This rule applies to all persons who own and operate a public water supply system.

2.2. Enforcement - Enforcement of these legislative rules this rule is vested with the director of the West Virginia department of health or his lawful designee.

§64-4-3. Supersession or Repeal of Former Regulations - These legislative rules supersede This rule supersedes and repeal repeals the West Virginia Board of Health Regulations--Chapter 17, Article--5A Public Water Supply Operator Regulations, West Virginia Department of Health Legislative Rules, 64 CSR 4, 1974. Series-4-

§64-4-4. Definitions - The following definitions shall apply in the interpretation and enforcement of these regulations, this rule.

4.1. Certified Operator - An individual holding a public water supply operator certificate issued by the director.

4.2. Chief Operator - The certified operator designated by the owner to supervise the operation of a public water system's treatment plant.

4.3. Continuing Education Unit - Ten (10) contact hours of participation in an organized continuing education experience under responsible sponsorship and approved by the director. (See Section-9-2-of-these-regulations.)

4.4. Drinking Water - Water free from biological, chemical,

TABLE 64-4D

<u>CLASS</u>	<u>EDUCATION REQUIRED</u>	<u>EXPERIENCE REQUIRED</u>
ID	Eighth Grade	3 months at a Class ID water treatment plant or higher
I	High School	1 year at a Class ID water treatment plant or higher
II	High School	3 years at a Class ID water treatment plant or higher <u>with-a-minimum of which at least 1 year must be at a Class I water treatment plant or higher</u>
III	High School and 90 Continuing Education Units	5 years at a Class I water treatment plant or higher <u>higher-with-a-minimum of which at least 1 year must be at a Class II water treatment plant or higher</u>
IV	High School and 180 Continuing Education Units	6 years at a Class I water treatment plant or higher <u>with a-minimum of which at least 1 year must be at a Class III water treatment or higher</u>

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 STATE OF OHIO
 DEPARTMENT OF NATURAL RESOURCES

TABLE 64-4A

POINT SYSTEM FOR CLASSIFICATION OF PUBLIC WATER SYSTEMS

Assign points for every item that applies:

<u>Size</u>	<u>Item</u>	<u>Points</u>	
	Maximum population served, peak day	1 pt. per 10,000 or part	<u> </u> (Max 10)
	Design flow (avg. day) or peak month's production (avg. day), whichever is larger	1 pt. per MGD or part	<u> </u> (Max 10)
	<u>Water Supply Source</u>	1 pt. per source	<u> </u>
	Groundwater	3	<u> </u>
	Surface water	10	<u> </u>
	Average raw water quality (good to poor). . .	0-10	<u> </u>
	<u>Treatment</u> (Note: Most plants will fit into only one of the four treatment categories below)		
	<u>Iron or Iron/Mn Removal</u> (nominal 10)		
	Chemical oxidation by KMnO ₄	6	<u> </u>
	Chemical oxidation by Cl ₂	5	<u> </u>
	Aeration	4	<u> </u>
	Filtration	6	<u> </u>
	<u>Ion Exchange Softening</u> (nominal 10)		
	Ion exchange softening	5-10	<u> </u>
	<u>Coag., Sed., Filtr'n. (w/o softening)</u> (nominal 15)		
	Presettling	2	<u> </u>
	Addition of coagulants	4	<u> </u>
	Mixing, flocculation, setting,	5	<u> </u>
	or upflow solids contact	8	<u> </u>
	Filtration	6	<u> </u>

TABLE 64-4A (Cont'd)

Coag., Sed., Filtr'n with Softening (nominal 20)

Presetting	2	_____
Addition of chemicals/coagulants.	6	_____
Mixing, flocculation, settling,	5	_____
or upflow solids contact.	8	_____
Recarbonation	3	_____
Filtration.	6	_____

Adjustment (Note: Assign points here only for treatment in addition to those listed above, or where it is the only treatment provided.)

Chemical addition for stabilization (polyphosphate, soda, lime, pH adjustment, etc.)	4	_____
--	---	-------

Taste and odor or color control (KMnO ₄ , activated carbon, etc.)	8	_____
---	---	-------

<u>In-Plant Treatment of Plant Sludge.</u>	6	_____
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<u>Advanced Treatment (Demineralization)</u>	15	_____
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<u>Fluoridation.</u>	5	_____
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<u>Disinfection.</u>	5	_____
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Chlorination or comparable.	5	_____
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On-site generation of disinfectant.	5	_____
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Laboratory Control by Plant Personnel

Bacteriological (complexity).	0-10	_____
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Chemical/physical (complexity).	0-10	_____
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TOTAL		_____
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TABLE 64-4B

CLASSIFICATION OF PUBLIC WATER SYSTEMS

BASIS OF CLASSIFICATION	CLASSES ⁽¹⁾				
	1D	I	II	III	IV
WATER SYSTEM TOTAL POINT RATING	1 - 20	21 - 30	31 - 55	56 - 75	76 - GREATER
POPULATION SERVED	500 and LESS	501 - 1500	1501 - 15,000	15,000 - 50,000	50,001 and GREATER

(1) In cases where the total point rating and population served differ, the higher classification shall be used.

TABLE 64-4C

PUBLIC WATER SYSTEM CHIEF OPERATOR CLASSIFICATION TABLE

PUBLIC WATER SYSTEM CLASSIFICATION	MINIMUM CERTIFICATION REQUIREMENTS FOR CHIEF OPERATORS
CLASS 1D	CLASS 1D or HIGHER
CLASS I	CLASS I or HIGHER
CLASS II	CLASS II or HIGHER
CLASS III	CLASS III or HIGHER
CLASS IV	CLASS IV

TABLE 64-4D

<u>CLASS</u>	<u>EDUCATION REQUIRED</u>	<u>EXPERIENCE REQUIRED</u>
1D	Eighth Grade	3 months at a Class 1D water treatment plant or higher
I	High School	1 year at a Class 1D water treatment plant or higher
II	High School	3 years at a Class 1D water treatment plant or higher of which at least 1 year must be at a Class I water treatment plant or higher
III	High School and 90 Continuing Education Units	5 years at a Class I water treatment plant or higher of which at least 1 year must be at a Class II water treatment plant or higher
IV	High School and 180 Continuing Education Units	6 years at a Class I water treatment plant or higher of which at least 1 year must be at a Class III water treatment plant or higher

TABLE 64-4E

<u>EDUCATION</u>	<u>Continuing Education Units</u>
1 Public Water Supply Operators Short Course (sponsored by the director - credit not allowed for repeating same course)	4.0
1 Public Water Supply Operators Seminar (sponsored by the director)	1.0
1 Quarter Hour College Credit	1.0
1 Semester Hour College Credit	1.5
1 Month Operating Experience (acceptable to the director)	3.75



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(Plus all the volunteer
help we can get)

STATE OF WEST VIRGINIA

SECRETARY OF STATE

Building 1, Suite 157-K
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TO: Kay Howard

AGENCY: Health

FROM: JUDY COOPER, DIRECTOR, ADMINISTRATIVE LAW DIVISION

DATE: July 6, 1992

THE ATTACHED RULE RECENTLY FILED BY YOUR AGENCY HAS BEEN ENTERED INTO OUR COMPUTER SYSTEM. PLEASE REVIEW, PROOF AND RETURN IT WITH ANY CORRECTIONS. IF THERE ARE NO CORRECTIONS, PLEASE SIGN THIS MEMO AND RETURN IT TO THIS OFFICE. YOU WILL BE SENT A FINAL VERSION OF THE RULE FOR YOUR RECORDS.

PLEASE RETURN EITHER THE CORRECTED RULE OR THIS FORM WITHIN TEN (10) WORKING DAYS OF THE DATE YOU RECEIVED THIS REQUEST. CALL IF YOU HAVE ANY QUESTIONS.

SERIES: 4 TITLE: 64 Health

* THE ATTACHED RULE HAS BEEN REVIEWED AND IS CORRECT.

SIGNED: _____

TITLE OF PERSON SIGNING: _____

DATE: _____

* THE ATTACHED RULE HAS BEEN REVIEWED AND NEEDS CORRECTING. THE CORRECTIONS HAVE BEEN MARKED.

SIGNED: Kay Howard

TITLE OF PERSON SIGNING: Director, Regulatory Development

DATE: 8/12/92

NOTE: IF YOU ARE NOT THE PERSON WHO HANDLES THIS RULE, PLEASE FORWARD TO THE CORRECT PERSON.