West Virginia
Bottled Water Program
SANITARIANS TRAINING CLASS

BY

STACY KING, MPH R.S.
BOTTLED WATER EMERGED AS THE SECOND LARGEST COMMERCIAL BEVERAGE CATEGORY BY VOLUME IN THE U.S. IN 2003


IN 2019 THE PER CAPITA CONSUMPTION OF BOTTLED WATER WAS 44 GALLONS WHILE CARBONATED SOFT DRINKS WAS 37 GALLONS
# Global Bottled Water Market

## Leading Countries’ Consumption and Compound Annual Growth Rates

**2014 – 2019**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Countries</th>
<th>2014</th>
<th>2019</th>
<th>CAGR* 2014/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>China</td>
<td>18,227.9</td>
<td>29,569.7</td>
<td>10.2%</td>
</tr>
<tr>
<td>2</td>
<td>United States</td>
<td>10,709.4</td>
<td>14,350.4</td>
<td>6.0%</td>
</tr>
<tr>
<td>3</td>
<td>Mexico</td>
<td>7,972.8</td>
<td>9,747.4</td>
<td>4.1%</td>
</tr>
<tr>
<td>4</td>
<td>Indonesia</td>
<td>6,102.4</td>
<td>8,892.9</td>
<td>7.8%</td>
</tr>
<tr>
<td>5</td>
<td>India</td>
<td>4,553.3</td>
<td>6,492.7</td>
<td>7.4%</td>
</tr>
<tr>
<td>6</td>
<td>Brazil</td>
<td>5,151.3</td>
<td>6,436.6</td>
<td>4.6%</td>
</tr>
<tr>
<td>7</td>
<td>Thailand</td>
<td>3,358.7</td>
<td>4,256.4</td>
<td>4.9%</td>
</tr>
<tr>
<td>8</td>
<td>Italy</td>
<td>2,826.6</td>
<td>3,154.2</td>
<td>2.2%</td>
</tr>
<tr>
<td>9</td>
<td>Germany</td>
<td>3,017.0</td>
<td>3,143.6</td>
<td>0.8%</td>
</tr>
<tr>
<td>10</td>
<td>France</td>
<td>2,329.5</td>
<td>2,536.1</td>
<td>1.7%</td>
</tr>
<tr>
<td></td>
<td><strong>Top 10 Subtotal</strong></td>
<td><strong>64,248.8</strong></td>
<td><strong>88,580.1</strong></td>
<td><strong>6.6%</strong></td>
</tr>
<tr>
<td></td>
<td><strong>All Others</strong></td>
<td><strong>18,508.4</strong></td>
<td><strong>22,425.0</strong></td>
<td><strong>3.9%</strong></td>
</tr>
<tr>
<td></td>
<td><strong>WORLD TOTAL</strong></td>
<td><strong>82,757.2</strong></td>
<td><strong>111,005.1</strong></td>
<td><strong>6.0%</strong></td>
</tr>
</tbody>
</table>

* Compound annual growth rate

Source: Beverage Marketing Corporation
Copyright © 2020 by Beverage Marketing Corporation
"Forget lemonade. The real money's in bottled water."
Categories of Bottled Water

SPRING WATER

MINERAL WATER
Source Types

PUBLIC WATER SUPPLIES WITH OR WITHOUT ADDITIONAL TREATMENT

WELLS

GLACIERS
MOST STATES ARE CAREFUL TO VERIFY THAT THOSE PRODUCTS LABELED SPRING WATER ACTUALLY COME FROM SPRINGS

WATER-WATER DERIVED FROM AN UNDERGROUND FORMATION FROM WHICH WATER FLOWS NATURALLY TO THE SURFACE OF THE EARTH
ONE CONTROVERSIAL INDUSTRY PRACTICE IS THE USE OF BOREHOLES

BOREHOLES ARE SHALLOW WELLS DRILLED JUST UPHILL OF THE SPRING OUTBREAK
GEOLOGISTS REPORT ON ROCK FORMATION TO VERIFY WATER IN BOREHOLE IS COMING FROM THE SAME AQUIFER AS THE SPRING

CHEMICAL ANALYSIS OF THE BOREHOLE WATER AND SPRING WATER MUST BE THE SAME

FDA AND MOST STATES AGREE WITH THIS VERIFICATION PROCEDURE, THOUGH SOME WILL NOT APPROVE WATER FROM BOREHOLES AS SPRING WATER
WATER CONTAINING NOT LESS THAN 250 PARTS PER MILLION (PPM) TOTAL DISSOLVED SOLIDS (TDS), COMING FROM A SOURCE TAPPED AT ONE OR MORE BORE HOLES OR SPRINGS, ORIGINATING FROM A GEOLOGICALLY AND PHYSICALLY PROTECTED UNDERGROUND WATER SOURCE, MAY BE "MINERAL WATER."
Bottled Water Permitting

WEST VIRGINIA PERMITS:

232 BOTTLED WATER PLANTS IN:

16 countries

39 U.S. states

8 located in West Virginia
Bottled Water Plants

THE 232 PERMITTED PLANTS PRODUCE:

2196 INDIVIDUALLY LABELED PRODUCTS

37 WEST VIRGINIA LABELED PRODUCTS
Allegheny Products
TO OBTAIN A PERMIT, PLANTS MUST SUBMIT:

A COMPLETED APPLICATION

CHEMICAL ANALYSIS OF RAW & FINISHED WATER (OVER 90 TEST PARAMETERS)

WEEKLY BACTERIOLOGICAL TEST RESULTS

COPIES OF ALL PRODUCT LABELS
FOR OUT-OF-STATE PLANTS, A COPY OF THEIR STATE-ISSUED PERMIT

FOR IN-STATE PLANTS, COPIES OF PLANT DESIGN PLANS AND BOTTLE SOURCE INFORMATION

PERMIT FEE
APPLICATION FOR A PERMIT TO DISTRIBUTE BOTTLED WATER IN THE STATE OF WEST VIRGINIA

New □ Renewal □ (Check One)  WV Permit No. (Renewal) ____________________________

COMPANY NAME: ________________________________________________________________

F. E. I. N. NUMBER: ___________________ TELEPHONE: ______________ FAX: __________

ADDRESS: (Mailing Address) ___________________ (City) __________ (State) __________ (Zip) __________

PERMIT CONTACT PERSON: ___________________ Title: ______________________________

CONTACT E-MAIL ADDRESS: __________________________________________________________

PERMIT MAILING ADDRESS: __________________________________________________________

(If different than above address)

OWNER:

NAME OF WATER BOTTLING PLANT: ______________________________________________________

PLANT ADDRESS: ___________________ FAX: ___________________

PLANT TELEPHONE: ___________________

APPROXIMATE VOLUME PRODUCED PER YEAR (GALLONS): ____________________________

PART A. PRODUCT

SOURCE OF WATER (Please check the source(s) used in Bottle Water production):

[ ] Artesian Well
[ ] Drilled Well
[ ] Spring

NUMBER OF WELL(S)/SPRING(S) LOCATION(S) OF WELL(S) OR SPRING(S) (PLEASE BE SPECIFIC REGARDING EACH WELL OR SPRING)

WELL/SPRING Location

LIST NAME(S) OF PUBLIC WATER SYSTEM

[ ] Public Water
[ ] Other (specify):

LISTING OF TYPE AND SIZE CONTAINER(S) DISTRIBUTED IN WEST VIRGINIA

<table>
<thead>
<tr>
<th>Type of Container (Plastic, Glass, etc.)</th>
<th>Container Size</th>
<th>Container Size</th>
<th>Container Size</th>
<th>Container Size</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

Please attach samples of all labels.
Part B. Distribution

Location of distribution warehouse(s) in West Virginia: (Please include complete address)

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

Will your company distribute bottled water in West Virginia for any other bottled water processor/distributor? [ ] Yes [ ] No

Processor/Distributor Name

Processor/Distributor Location

List any other companies that will be distributing your bottled water product:

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Company Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

Part C. Laboratory Analysis:

1. The results of a recent chemical analysis on both raw water and finished product Must Be Submitted with This Application. (New Plants may submit finished product analysis after startup)

2. Name and address of certified laboratory which will conduct analysis of water processed by your plant:
   Name: __________________________
   Address: ________________________

   NOTE: A minimum of one sample per week must be collected for bacteriological analysis and the laboratory results submitted to this office by the 10th day of the month following the month in which the samples were collected.

Part D. In-State Plants

See Application Requirements sheet (attached).

Part E. Out-of-State Plants

Attach a copy of your most recent Permit to Operate from your state regulatory agency.

Permit Fee

[ ] In State Bottlers: see attached letter for amount of permit fee.

[ ] Out of State Bottlers Distributing in West Virginia: A check in the amount of $100, made payable to the West Virginia Department of Health & Human Resources, must accompany this application.

I hereby certify that the above information is correct to the best of my knowledge:

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Date
IN-STATE BOTTLING PLANTS
APPLICATION REQUIREMENTS

In addition to the Application for a Permit to Distribute Bottled Water in West Virginia, information regarding the bottling plant, if located in West Virginia, is also required. Prior to any construction, installation of equipment, or operation, complete plans must be submitted to and approved by the West Virginia Division of Health. Plans must include the following data:

A. Floor plan, equipment list, and detailed layout of the complete operation including:
   - bottling room
   - return bottle washroom (if applicable)
   - toilet rooms
   - storage rooms (warehouse)
   - water treatment facilities
   - sewage treatment facilities
   - solid waste storage facilities

B. Source of single service packaging (if applicable).

Please forward completed plans to:

West Virginia Department of Health and Human Resources
Office of Environmental Health Services
Public Health Sanitation Division
350 Capital Street Room 313
Charleston, WV 25301-3713

RENEWAL APPLICANTS: Submit any changes in A or B above which have not been previously reported. If no changes, submit a signed statement that no changes have been made in the prior year.
“BOTTLED WATER DESIGN STANDARDS”
WEST VIRGINIA STATE DEPARTMENT OF HEALTH
FOR
PROCESSING AND BOTTLING OF
BOTTLED DRINKING WATER

These design standards shall apply in determining whether the facilities, methods, practices, controls used in the processing, bottling, holding, transporting and shipping of bottled drinking water are in compliance to assure a safe water product.

A. Plant Construction and Design

1. The bottling room shall be separated from other plant operations or storage areas by tight walls, ceilings, and self-closing doors.

2. Adequate ventilation shall be provided in processing rooms, bottling rooms, and in container washing and sanitizing areas.

3. The washing and sanitizing of containers for bottled drinking water shall be performed in an enclosed room.

4. Rooms in which product water is handled, processed, or held or in which containers, utensils, or equipment are washed or held shall not open directly into any room used for domestic household purposes.

B. Equipment and Utensils

1. All plant equipment and utensils shall be suitable for their intended use. This includes all collection and storage tanks, piping, fittings, connections, bottle washers, fillers, cappers, and other equipment which may be used to store, handle, process, package or transport product water.

2. All product water-contact surfaces shall be constructed to be adequately cleaned and sanitized.

3. Storage tanks shall be of the type that can be closed and shall be adequately vented.
C. **Sanitary Operations**

1. The product water-contact surfaces of all multisurface containers, utensils, pipes, and equipment used in the transportation, processing, handling, and storage of product water shall be clean and adequately sanitized.

2. After cleaning, all multiservice containers, utensils, and disassembled piping and equipment shall be stored to assure drainage and shall be protected from contamination.

3. Single-service containers and caps or seal shall be stored in sanitary closures and kept clean therein in a clean dry place until used. Prior to use they shall be examined, and as necessary, washed, rinsed, and sanitized and shall be handled in a sanitary manner.

4. Filling, capping, closing, sealing and packaging of containers shall be done in a sanitary manner so as to preclude contamination of the bottle drinking water.

5. Multiservice primary containers shall be adequately cleaned, sanitized, and inspected just prior to being file, capped and sealed.

6. Sanitizing operations, including those performed by chemical means or by any other means such as circulation of live steam or hot water, shall be adequate to effect sanitization of the intended product water-contact surfaces and any other critical area.

D. **Bacteriological Sampling Compliance**

At least one (1) water sample per week for bacteriological analysis shall be collected in standard sterilized water containers by a responsible official of the plant from representative points in the bottled water supply system and submitted to the West Virginia State Hygienic Laboratory or other certified laboratory. In-state plants may obtain sterilized water containers from the West Virginia State Hygienic Laboratory.
**BOTTLED WATER – INITIAL ANALYSIS AND RENEWALS**

Water intended for use as bottled drinking water must be tested for the following contaminants and parameters. Analysis must be performed by a laboratory certified by the Bottled Water Plants Home State to analyze drinking water samples.

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Testing Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coliform Bacteria</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Hardness</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Alkalinity</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Turbidity</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Nitrate (as nitrogen)</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>TDS</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Nitrite</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Combined Radon 226 &amp; Radium 228</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Gross Alpha Particle Activity</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Gross Beta Particle Activity</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Uranium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Arsenic</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Barium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Cadmium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Chromium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Selenium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Antimony</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Beryllium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Cyanide</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Nickel</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Thallium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Sodium</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Sulfate</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Copper</td>
<td>Byproduct Testing Required:</td>
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<tr>
<td>Lead</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Silver</td>
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</tr>
<tr>
<td>Iron</td>
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<tr>
<td>Manganese</td>
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<tr>
<td>Zinc</td>
<td>Byproduct Testing Required:</td>
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<tr>
<td>Phenols</td>
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<tr>
<td>Mercury</td>
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</tr>
<tr>
<td>Benzene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Carbon Tetrachloride</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>p-Dichlorobenzene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>1,1-Dichloroethylene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>1,1,1-Trichloroethane</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Vinyl Chloride</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>o-Dichlorobenzene</td>
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</tr>
<tr>
<td>Cis-1,2-Dichloroethylene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Trans-1,2-Dichloroethylene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>1,2-Dichloropropane</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Byproduct Testing Required:</td>
</tr>
<tr>
<td>Monochlorobenzene</td>
<td>Byproduct Testing Required:</td>
</tr>
</tbody>
</table>

Municipal Source Water - Not required if PWS has it. Otherwise finished product test.

Natural Source Water - No Disinfection. No monitoring.

Natural Source Water - Ozone treated - bromate, HAA (5), TTHMs.

Natural Source Water - Chlorine based disinfection - HAA (5), TTHMs.

Final Products - Chlorine Chloramine, Chlorine Dioxide Bromate, Chlorite, HAA (5), TTHMs.
Chemical Testing Required for Those
RENEWING Permits
to Bottle or distribute Bottled Water
in West Virginia

1. Chemical tests results must be submitted each year for each source used.

2. Chemical tests results must be submitted each year from 1 finished product from each source (not one from each label).

3. Chemical tests required each year shall be the same as on the Initial Chemical Test List except as noted below:
   
   A. Radiological testing is required once every 4 years after the initial permit.
   
   B. Asbestos testing is required once every 3 years after the initial permit.
   
   C. Plants bottling in the states that do not require testing for Phase V VOC’s or Phase V SOC’s are not required to test for those chemicals but must submit a letter from their state regulatory agency that this is the case.
   
   D. Plants bottling in states that issue exemptions from testing for certain pesticides, etc., after initial tests or series of tests showing “none detected” are not required to submit the exempted tests but must submit a letter or statement from their state regulatory agency that the exemption has been granted and its requirements.

4. Plants requesting variations from testing as shown on the Initial Chemical Test Required are responsible for submitting the proper documentation required.
   
   A. If not submitting radiological testing results, a statement must be submitted saying “Radiological testing results were last submitted ____________.”
   
   B. If not submitting asbestos testing results, a statement must be submitted saying “Asbestos testing results were last submitted ____________.”
   
   C. If not submitting chemical tests results under 3C above, a letter from your regulatory agency must be submitted stating that they do not require these tests.
   
   D. If not submitting chemical tests results under 3D above, then a copy of your exemption letter or notice from your state regulatory agency must be submitted with your application.
MEMORANDUM

TO: WV Bottled Water Companies
    Companies shipping Bottled Water into WV

FROM: Stacy King, MPH R.S.,
      Bottled Water Program

DATE: November 1, 2016

RE: Chemical Water Testing

West Virginia Public Water Supplies have been issued the following waivers on chemical testing. Therefore, I am extending it to the bottled water facilities.

State-wide waivers are being granted for:

1. Dioxin
2. Diquat - a pesticide
3. Endothall - a pesticide
4. Glyphosate - a pesticide

However, I would remind you that if you ship out of state you may want to check with that state before eliminating this testing because they may not accept our waiver and may require these tests to ship into their states.

Out of state bottlers shipping into West Virginia must have an exemption from their home state for their area to be exempt from these requirements. I will accept their exemption for shipping into West Virginia (an exemption is not a state saying they have no chemical testing requirements for bottled water, specific chemicals can be exempted due to prior testing in the state).

If further clarification is needed, please contact me at 304-356-5068.
April 24, 2017

Due to the length of the Certified Water Quality Laboratories document, and to ensure availability of the most current edition of the listing, please obtain this document via the internet site of the West Virginia Office of Laboratory Services:


Bottled water plants are required to use the laboratories included in the listing, a laboratory that is certified by the FDA or the lab’s home state to conduct microbiological and/or chemical examinations of drinking water pursuant to the requirements of the Safe Drinking Water Act.

If using a lab other than one included in the above listing, please submit the State or Country Certification Number as well as the name and address of the laboratory at the proper location on the application.
§64-3.3. Definitions.

3.1. Bottled Water. — All water which is sealed in bottles, packages or other containers and offered for sale for human consumption, including bottled mineral water.

3.2. Bottled Water Distributor. — A person who buys and sells bottled water on a wholesale basis.

3.3. Commissioner. — Commissioner of the bureau for public health or his or her designee.

3.5. Person. — An individual, partnership, association, syndicate, company, firm, trust, corporation, government corporation, institution, department, division, bureau, agency, federal agency or any other entity recognized by law.


7.1. Disinfection with chlorine, chlorine dioxide, chloramine or ozone is required of all public water systems provided the requirements of Subsection 7.6 of this section are met.

7.6. For all public water systems, at least 0.2 milligrams per liter of total chlorine residual shall be maintained throughout the distribution system at all times.
§64-3-11. Bottled Water Treatment Plants and Distributors.

11.1. No person shall operate a bottled water treatment plant in this State without first receiving from the commissioner a permit to bottle and distribute water.

11.2. No person shall distribute bottled water in this State without first receiving from the commissioner a permit to distribute bottled water.

11.3. Application for a permit to bottle and distribute water shall be made to the commissioner on forms prescribed by the commissioner. A completed application and a set of plans and specifications for the treatment plant shall be submitted to the commissioner for approval at least forty-five (45) days prior to the date on which a permit from the commissioner is desired.

11.4. The source of the water to be bottled and the bottled water shall comply with Beverages, 21 CFR, §165 final regulations promulgated and published as final rules prior to the adoption of this rule, with the exception of Sections 165.3(b), 165.110(a)(2)(ii) and 165.110(b)(2).

11.4.a. The name of the water from a subsurface saturated zone that is under a pressure equal to or greater than atmospheric pressure is "ground water." Ground water found to be under the direct influence of surface water as defined in 40 CFR §141.2, as adopted by this rule, shall be treated by a method approved by the commissioner.

11.4.b. The bottler shall conduct microbiological monitoring not less than weekly on the finished product. The bottler shall determine microbiological acceptability in accordance with 40 CFR §141.63, as adopted by this rule.

11.5. A bottled water treatment plant shall be operated in accordance with the provisions of the federal standards, Current Good Manufacturing Practice in Manufacturing, Packaging or Holding Human Food, 21 CFR Part 110, and Processing and Bottling of Bottled Drinking Water, 21 CFR §129.

11.6. The commissioner shall inspect each in-state bottled water treatment plant every twelve (12) months or as he or she otherwise determines.

11.7. An out-of-state bottled water treatment plant desiring to distribute bottled water in West Virginia shall apply for a permit to bottle and distribute bottled water on forms approved by the commissioner. The out-of-state treatment plant shall comply with the requirements of this rule and the federal regulations adopted in this rule for in-state bottled water treatment plants. Subsequent to the initial evaluation, monitoring of the treatment plant by the regulatory agency of the state in which the treatment plant is
located is considered acceptable for the purposes of this rule. The out-of-state treatment plant shall notify the commissioner of any corrective action it is required to take by its state regulatory authority and shall notify the commissioner of any change in ownership or in the event that it closes.

11.8. A person wishing to distribute bottled water in the State who does not operate a bottled water treatment plant shall apply for a permit to distribute bottled water on a form approved by the commissioner. The applicant shall identify the location of the plants from which the bottled water is obtained and any distributor other than the bottled water plant from which the bottled water is obtained and shall provide other information required by the commissioner. The commissioner shall grant a permit to distribute bottled water if the bottled water complies with the requirements of this rule.

11.9. The commissioner may revoke a permit for failure to comply with provisions of this rule.

§64-3-14. Penalties.

Any person who violates any provision of this rule or orders issued under this rule is subject to injunction, criminal prosecution, and criminal, civil and administrative fines, all as provided in W. Va. Code §§116-1-9, 16-1-9a, 16-1-17 and 16-1-18.


Those persons adversely affected by the enforcement of this rule desiring a contested case hearing to determine any rights, duties, interests or privileges shall do so in accordance with the Division of Health rule, “Rules and Procedures for Contested Case Hearings and Declaratory Rulings,” §64CSR1.

NOTE: The full Public Water Systems Legislative Rule can be found at: http://www.wvsos.com/csr/verify.asp?TitleSeries=64-03
ALL OF THE FORMS THAT HAVE BEEN DISCUSSED CAN BE FOUND ON THE PHS WEB SITE AT:

HTTP://WWW.WVDHHR.ORG/PHS/BOTTLEDWATER
I NEED YOUR HELP IN FINDING NEW BOTTLED WATER BRANDS COMING INTO WEST VIRGINIA!

WHEN CONDUCTING FOOD SERVICE ESTABLISHMENT INSPECTIONS, WRITE DOWN THE NAMES OF BOTTLED WATER BEING SOLD.

CHECK YOUR LIST AGAINST THE BOTTLED WATER LIST ON THE WEB SITE AND PLEASE LET ME KNOW IF A NEW BRAND IS DISCOVERED.
Information Needed

NAME OF BOTTLED WATER (BRAND)
DISTRIBUTOR AND/OR BOTTLER
WATER SOURCE
SIZE OF CONTAINER
TELEPHONE NUMBER ON LABEL
DATE STAMP – BOTTLED ON, USE BY, ETC.
Bottled Water

West Virginia requires all bottlers and distributors of bottled water to obtain a permit from the West Virginia Department of Health and Human Resources, Office of Environmental Health Services.

This is done so it can be verified that the bottled water is from an approved source which is properly protected, is properly labeled as to its source, tested for potential contaminants and inspected to verify that it is bottled in a sanitary manner.

West Virginia currently has over 160 plants under permit bottling over 790 labels. These plants are in 9 different countries and 31 states.

Approved Brands of Bottled Water - a complete list of approved Bottled Water Brands with West Virginia permits

Permitted Bottled Water Plants - a complete list of Bottled Water Plants with West Virginia permits

Water Quality Laboratories - Certified for Microbiological and/or Chemical Examination of Drinking Water Under the SDWA - 2002

Approved Laboratories for Microbiological and/or Chemical Testing

In-State Water Bottling Plants, are permitted to use any laboratory from the facilities shown under "Water Qualities Laboratories" above or they may use an out of state laboratory not on this list if the laboratory has been certified with the Safe Drinking Water Act Regulations for testing or water. The lab's name, address, and certification number must be submitted to this office.

Out-of-State Water Bottling Plants are permitted to use any laboratory that is properly certified by their home state or country to do the required testing. Please submit the state or country certification number as well as the name and address of the laboratory at the proper location on the application.

Note to Bottlers: In addition to the required weekly source and finished product microbiological testing, and Pursuant to 21 CFR 129.80.f you are required to perform bacteriological testing of each size container used for bottled water at least once every three (3) months. A bacteriological swab and/or rinse count must be made from at least four containers and closures just prior to filling and sealing.

These tests must be performed by a qualified laboratory that is certified for this test. At this time in West Virginia, the only lab certified for this test is the WV Office of Laboratory Services.
Out-of-state Water Bottling Plants are permitted to use any laboratory that is properly certified by their home state or country to do the required testing. Please submit the state or country certification number as well as the name and address of the laboratory at the proper location on the application.

Note to Bottlers: In addition to the required weekly source and finished product microbiological testing, and Pursuant to 21 CFR 129.80.f, you are required to perform bacteriological testing of each size container used for bottled water at least once every three (3) months. A bacteriological swab and/or rinse count must be made from at least four containers and closures just prior to filling and sealing. These tests must be performed by a qualified laboratory that is certified for this test. At this time in West Virginia, the only lab certified for this test is the WV Office of Laboratory Services. Test results must be retained at the facility for a period of three years (3), and be available for review at the time of inspection.

Bottled Water Forms - A complete application packet includes all forms and information listed below:

- BW-1 Application for a permit to distribute Bottled Water in West Virginia
- BW-2 In-State Bottling Plant application requirements
- Bottled Water Design Standards - Design standards for processing and bottling of Bottled Water
- Bottled Water Initial Analysis - List of contaminants and parameters that must be tested for in drinking water.
- Bottled Water Rules - Condensed version of 64CSR3 - Public Water Systems Rule
- Chemical Testing - Chemical testing required for plants RENEWING permits to Bottle or Distribute Bottled Water in West Virginia
- Chemical Water Testing Waiver - State-specific and chemical-specific waivers
- Water Quality Laboratories - Certified for microbiological and/or chemical examination of drinking water under the SDWA 2002

Note: The listing of Qualified Laboratories is maintained by the WV Office of Laboratory Services and is provided here as a link to their site. Any paper copies of this record may be out-dated, so you must check the above site for new listings periodically.
SANITARIANS IN THE FIVE (5) PUBLIC HEALTH SANITATION DIVISION DISTRICTS AND FROM THE DIVISION’S CENTRAL OFFICE INSPECT THE WATER BOTTLING PLANTS ANNUALLY
FOR MORE INFORMATION ON THE BOTTLED WATER PROGRAM CONTACT:

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