

BRODHEAD CREEK REGIONAL AUTHORITY
MONROE COUNTY, PENNSYLVANIA

SCHEDULE OF RATES
AND
RULES AND REGULATIONS
WATER SERVICE

EFFECTIVE
JANUARY 3, 2007

(Effective October 1, 2006)

BRODHEAD CREEK REGIONAL AUTHORITY

410 STOKES AVENUE

EAST STROUDSBURG, PA. 18301

Phone: 570-421-3232

Fax: 570-421-2322

I. Schedule of Rates for Water Service

Basic Rate:

Quarterly: \$43.95/ebu

Monthly: \$14.65/ebu

Consumption Charge:

\$.23 per 100 gallons

II. Cost to connect to Brodhead Creek Regional Authority System:

Tapping Fee: \$1,550.00/EDU - See definitions

III. Consumption Charge: Bulk Water Haulers:

\$.28 per 100 gallons

Connection Fees:

METER SIZE STANDARD	CONNECTION FEES 7/1/05
¾ INCH	\$1,364.55
1 INCH	\$1,535.32
1 ½ INCH	\$2,470.05
2 INCH	\$2,834.25

METER SIZE RADIO READ	CONNECTION FEES 7/1/05
¾ INCH	\$1,462.15
1 INCH	\$1,635/32
1 ½ INCH	\$2,573.05
2 INCH	\$2,924.85

METER SIZE STANDARD HIGH PRESSURE AREA	CONNECTION FEES 7/1/05
¾ INCH	\$1,688.61
1 INCH	\$1,951.40
1 ½ INCH	\$4,071.21
2 INCH	\$4,611.46

METER SIZE RADIO READ HIGH PRESSURE AREA	CONNECTION FEES 7/1/05
¾ INCH	\$1,786.21
1 INCH	\$2,051.04
1 ½ INCH	\$4,174.71
2 INCH	\$4,502.06

Connection fees include meter, meter installation, meter pit, check valve, pressure reducing valves (high-pressure areas) and the installation of the service line (from the main to the curb). Also includes the corporation tap, service line, curb stop and box and street opening permit costs and street opening repair costs and labor/equipment costs.

Note:

1. Larger service line connections (greater then 2-inch) provided by the Brodhead Creek Regional Authority are determined by actual installation costs.
2. Connection Fees do not include the Tapping fee cost of \$1,550/EDU.
3. The Authority has the sole right to determine which type and size of connection and meter/meter pit is utilized for service as reflected in the table above.

Fire Service Rates:

Public

For each Fire Hydrant \$1.00/Year

Private

For Each Fire Hydrant \$150.00/year

Sprinkler or Fire Service Systems

(\$100/inch diameter sprinkler pipe.)

4" Connection	\$400.00/year
6" Connection	\$600.00/year
8" Connection	\$800.00/year
10" Connection	\$1,000.00/year

Exhibit B

SECTION 1 - DEFINITION OF TERMS

The following words and terms, as used herein, shall have the meanings respectively ascribed to them by this Section, unless the context clearly indicates a different meaning:

Abutting - Mandatory connections are required for any property located within 200 feet of a water line that requires water service.

Applicant - shall mean the property owner or his agent applying for permission to connect to the Water System *and the party ultimately responsible for the payment of water service*. The word "owner" shall mean any person, firm, corporation or association in whose name any property is recorded in the office of the Recorder of Deeds.

Authority - shall mean the Brodhead Creek Regional Authority.

Basic Rate - Single family homes are charged at a basic rate of one (1) ebu. Commercial, industrial, multi-residential, mixed use (commercial/residential), institutional and public (non-residential) users are charged an ebu rate based on their previous **year's** average usage. New non-residential customers will be assessed ebu charges based on the Authority's estimate or DEP Planning Module submission, until such time as a **one (1)** year history is established for that user. ebu rates are recalculated on a yearly basis.

All non-residential, commercial, industrial, institution, public and Multi-Residential or mixed usage's (commercial/residential) supplied with water through one connection shall be charged by determining their ebu rates calculated to the nearest tenth of an ebu.

In the event that a non-residential, commercial, industrial, institution, public and multi-residential or mixed usage's (commercial/residential) user invests in new equipment or processes (or changes operation) which results in reduction of water usage by more than ten (10%) percent, such user may request a recalculation of its Basic Rate (ebu charges) based upon a six (6) month average of water use. Any reduction in ebu's will result in a reduction of the Basic Rate charged to a user who will then forfeit such allocation. However, because each ebu allocated to a user grants capacity in the Authority's water system, a subsequent increase of ten (10%) per cent in water use in excess of the ebu's then allocated shall require such user to purchase additional EDU (tapping fees) at the then current rate. Likewise, an adjustment in the Basic Rate for water usage will also be made by the Authority. Recalculation of the Basic Rate due to increased use shall be based upon a six (6) month average rather than a one (1) year average of water use.

Connection Fee - Fee allowed per Act 57 of 2003 for the cost of the water service laterals, water meter, meter pit, labor and other costs associated with the installation of a service lateral from the water main to the property line. **Current costs are noted in Exhibit A - of fees for "Connection Fees"**.

Cost would be higher if the service lateral is longer than normal; superintendent would determine this. Larger connections are charged actual cost of installations.

Customer - shall include a person, partnership, political subdivision, association or corporation, and shall mean to anyone whom water service is supplied by the Authority, whether as owner or tenant.

e.b.u. – Equivalent Billing Unit is equal to 12,000 gallons/quarter or 48,000 gallons/year and is used for determining the "Basic Rate".

E.D.U. - Equivalent Dwelling Unit is the water usage equal to 64,780 gallons per year or 177.5 gallons per day, as measured by the point of use service meter or an Engineer's calculation. The E.D.U. is used to determine the cost of "Tapping Fees" for new customers **and or for existing customers that install additions or expansions to their facilities or operations that require an increase in their water usage requirements.**

Mains- shall mean the distribution pipelines which are located in streets, highways, public ways or private rights-of-way, and which are used to serve the general public.

Main Extensions - shall mean extensions of distribution pipes beyond existing facilities and exclusive of service connections.

Meter- shall mean a device approved for measuring the quantity of water consumed by a customer which consumption is the basis for determining the charge for water service.

mg/l or ppm - shall mean milligrams per liter (or parts per million) in water analysis.

Owner - See Applicant

Person - shall mean any natural person, association, partnership, firm or Corporation.

Premises - as used herein, shall be the property or area including the improvements thereon, to which water service is or will be furnished, and as used herein shall be taken to designate:

- a. A building under one roof, owned or leased by one customer and occupied as one residence or one place of business, or
- b. A group or combination of buildings owned by one customer, in one common enclosure, occupied by one family, or one organization, corporation or firm, as a residence, or place of business, or for manufacturing or industrial purposes, or as a hotel, hospital, church, parochial school, or similar institution, except as otherwise noted herein, or
- c. The one side of a double house having a solid vertical partition wall, occupied by one family or one business, even if there is only one common water service, or
- d. Each apartment, office or suite of offices, and/or place of business located in a building or group of buildings irrespective of the number of bathrooms situated in such building or group of buildings and even though such buildings in a group are inter-connected by a tunnel, or passageway, covered area-way, or patio or by some similar means or structure, or
- e. A public building, devoted entirely to public use, such as community building, fire house, schools, or
- f. A single lot, park or playground, or
- g. Each house in a row of houses, or
- h. Each individual and separate place of business/and or occupancy located in one building or group of buildings commonly designated as shopping centers, super market areas, and by such other terms, or

Each Premise shall be served through a separate service line and through a separate meter, except where physical conditions prevent the installation of separate service facilities and meters, as determined by the Authority.

Private Fire Protection Service - Providing of water to premises exclusively for fire protection.

Public Fire Protection Service - Furnishing of service through public fire hydrants.

Service Line - shall mean the pipe leading from the water main to curb stop of the premises served or to be served by water service.

Service Pipe - shall mean the pipe leading from the curb stop to the premises of a customer.

"Shall" – mandatory.

Sprinkler pipe – shall mean the pipe connection at the Authority's water mains for the purpose of supplying fire protection to a customer's facility.

Street - shall mean any street, alley or lane.

Tapping Fee - Fee allowed per Act 57 of 2003 which is based on a treatment plant capacity charge, distribution system charge and special purpose charge. Currently \$1,550 for every (EDU) per year of capacity an applicant or customer of the Brodhead Creek Regional Authority purchases or uses.

Temporary Service - a service for circuses, bazaars, fairs, construction work, irrigation of vacant property, trailers or trailer camps and similar uses that because of their nature will not be used steadily or permanently.

Tenant - shall be anyone occupying premises other than an Owner which premises are furnished water service.

Types of Service: -

- a. Commercial - Premises where the customer is engaged in trade and/or commerce.
- b. Industrial - Premises for use in manufacturing, processing and distribution activities.
- c. Municipal or Public - A municipal subdivision of the Commonwealth of Pennsylvania or agency thereof or other similar public bodies and shall also include school.
- d. Residential - Water service for residential households for customary purposes and for sprinkling lawns, gardens (not commercial type) and shrubbery, swimming pools, and other similar purpose.

Watercourse - shall mean a channel in which a flow of water occurs, either continuously or intermittently.

Waterworks - shall mean and include the plant fixtures, mains, hydrants, reservoirs, rights-of-way and all other properties and facilities now or hereafter operated and maintained by the Authority in order to collect, treat and distribute water for municipal purposes and for the use of the inhabitants thereof, and shall also

include those officers and employees of the Authority collectively engaged in the management, operation and maintenance thereof.

In these Rules and Regulations, the singular shall include the plural and the masculine shall include the feminine and the neuter.

SECTION 2 - CONDITIONS OF SERVICE

2.1 CONDITIONS OF SERVICE

The waterworks of the Authority, as it is now constituted or shall hereafter be extended, as the Authority may from time to time direct, shall be operated, maintained, and regulated according to the provisions of the Rules and Regulations.

The Authority will furnish water service in accordance with the currently prevailing, and as hereafter revised rates, rules and regulations, which are made a part of every application, contract, or agreement entered into between the property owner or customer and the Authority. The Authority hereby reserves the right, so often as it may deem necessary, to alter or amend the rates and/or the Rules and Regulations.

2.2 AIR CONDITIONING

The Authority may require the installation of a circulating type water-cooling tower for all air conditioning units using water for cooling. The water supply to the cooling system must incorporate an approved backflow preventer.

2.3 APPLICATION FOR SERVICE AND CONTRACTS

A. Water service shall not be provided to any premises until application shall have been made to the Authority by the owner of such premises or by his authorized agent. Such application shall be made upon a form to be prescribed by the Authority, and upon such application the applicant shall state fully all purposes for which he/she shall desire such water and shall answer fairly and without concealment all necessary questions. Upon approval of the application, and payment of the appropriate fees and charges, the Authority will install the service line from the water main to the curb line of the premises.

The application shall be subject to such water service tapping fees and charges currently in effect. The application and the rules and regulations of the Authority shall regulate the water service to such premises.

B. The application for water service shall be a binding contract on both the *applicant* and the Authority, after approval by the Authority. Rates for water service shall accrue from the date the water service facilities have been completed and water service is available to the premises.

C. The Authority may require, prior to approval of service, special contract or agreements other than applications, if:

1. Service is for new sub-division and/or land development.

2. Construction of extensions and/or other facilities are necessary.
3. A person shall contract with the Authority to lay service pipe to the premises, it being normal procedure for the Authority not to furnish material or labor for use upon private premises.
4. Deemed necessary by the Authority.
5. Requesting a payment schedule per Resolution 2005-11 of October 5, 2005 (attached at the back of this document).

D. Contracts with Delinquents

No agreement will be entered into by the Authority with any applicant for water service, until all arrears for water, rents, penalties, bills for meter repairs or other charges due on subject property have been paid, or until satisfactory arrangements for payment of such unpaid bills shall have been made.

E. Governmental Regulations are a Part of Contract

All contracts for water service shall be subject to such changes or other modifications as may be directed by action of the Legislature of the Commonwealth of Pennsylvania or other regulatory body.

F. Change in Ownership, Tenancy or Conditions of Water Use

The Authority must be notified upon any change in ownership of the property when the owner is the customer or in any tenancy where the tenant is the customer. The Authority shall have the right, upon *ten (10) days' notice*, to discontinue the water supply until such *notification* has been made. The Authority will read the meter in order to bill the final consumption to the seller and all future billings shall be made to the buyer. In connection with a change in service, any customer making any material change in the size, character, or extent of equipment or operations utilizing water service, or whose change in operation results in a substantial increase in the use of water, shall immediately give the Authority written notice of the nature of the change, *and either amend its application if an application exists with the Authority or submit a new application. The Authority shall have the right, upon ten (10) days' notice, to discontinue the water supply until such application has been submitted.*

Any premises intended to be occupied by more than one establishment, firm or family shall be provided with an independent drain valve conveniently located for each separate establishment or apartment into which water is to be introduced, so that any portion of such premises which may be separately occupied can be drained without interfering with the supply of water for the other occupants.

2.4 BILLS AND PAYMENTS

A. Place of Payment

All bills are payable at the Brodhead Creek Regional Authority Office, 410 Stokes Avenue, East Stroudsburg, Pennsylvania, 18301, or such other location as designated by the Authority.

B. Basis for Preparation of Bills

All bills for services furnished by the Authority will be based on the published Rate Schedules of the Authority. Bills will be rendered quarterly for metered service furnished during the preceding quarter. Large customers will be billed monthly for metered service furnished during the preceding month.

Each premise will be subject to a basic quarterly charge for each meter, in accordance with the Rate Schedule. Such minimum charge shall be non-abatable for non-user of water, and non-cumulative against subsequent consumption. In the case of fractional bills covering less than a quarter, minimum charges and allowances of water shall be pro-rated for new connections only.

The property owner shall be fully liable for payment if the tenant moves out without paying the bill. Tenants shall not be billed directly by the Authority and the property owner shall be responsible for passing the bill onto the tenant for payment, if the lease agreement calls for the tenant to pay water bills.

Water bills for water used for building construction and for occasional use shall be payable upon demand.

The charges for temporary service, public and/or private fire service and other miscellaneous services shall be as set forth in the Rate Schedule.

C. Payment of Bills

All bills are due and payable within fifteen (15) days after the date of the bill and a penalty of 1.5% monthly on the amount of such bill will be added to all bills if not paid when due. Acceptance of remittance of bills on the last day of this fifteen (15) day period shall be determined by the date of actual receipt of the customer's payment at the Brodhead Creek Regional Authority Office.

Any bill regarding which the customer within fifteen (15) days after the date of the bill has not served written protest to the Authority shall be considered an undisputed bill.

No exceptions will be made for waiving a penalty unless a bill is being disputed.

If a bill is paid by check and the check is returned by the bank for any reason, a charge of \$20.00, as such charged may be amended from time to time, shall be paid by the customer in addition to the amount of the bill and the penalty.

Payment schedules can be obtained on a case-by-case basis pending the Authority Manager's approval.

D. Unpaid Bills

If the owner, customer or tenant fails or neglects to pay, for a period of thirty (30) days from the due date thereof, any water rent or other charges, the Authority shall provide to such owner, customer and/or tenant ten (10) days notice in writing of the fact that such water rent or other charges has become delinquent and that the Authority intends to shut off the water supply to the premises. This notice will also be posted at a main entrance of the premises. If during such (10) day period the person liable for the payment of the rentals or charges, delivers to the Authority a written statement, under oath or affirmation, stating that he has a just defense to the claim, or part of it, for such rentals

or charges, then the water supply shall not be shut off until the claim has been judicially determined. This statement shall also contain a declaration under oath or affirmation that it was not executed for the purpose of delay.

The Authority shall , in addition to the above, exercise the rights granted by law to bring an action in assumpsit to recover any amount due to it or to enter a municipal lien or claim against the premises in the Office of the Prothonotary of Monroe County, and to collect the same in the manner provided by law for the collection of such liens or claims.

E. Abatement

The following regulations shall govern abatement of charges for water:

1. Whenever water shall be used on any metered premises for fire protection or fire fighting, in an actual case of fire or conflagration, no charge shall be made for the water so used, and the amount of water so used shall be ascertained by comparison with the average use of water during a corresponding billing period as shown by the meter.
2. If water has been shut off at the property's curb stop for longer than one-year due to non-payment, vacancy or because of unhabitable structure.

F. Deposits

Cash deposits are required from *applicants* taking service for a period of less than thirty (30) days, in an amount equal to the estimated gross bill for such temporary period.

The Authority reserves the right to require a deposit equal to the estimate gross bill for any single billing period, plus one month, or \$100.00, whichever is the largest amount, to secure payments for water service to be rendered where the credit of the customer has not been established to the satisfaction of the Authority.

The Authority will refund the deposit mentioned in the previous paragraph on notice to discontinue service and after payment in full has been made for all service rendered or when the customer shall have paid undisputed bills for service over a period of twelve (12) consecutive months. Any customer having secured the return of a deposit shall not be required to provide a new deposit unless the service has been discontinued and the customer's credit standing impaired.

G. Service of Notices

All notices and bills relating to the Authority or its business shall be deemed to have been properly served if left upon the premises of the customer, if mailed to the customer, or served in person at his/her address as shown on the records of the Authority.

The Authority will send all such notices and bills to the address given on the application for water supply until a notice of change, in writing, has been filed with the Authority by the Applicant.

All notices of general character, affecting or likely to affect a large number of customers, shall be deemed to have been properly given or served if advertised in the newspaper designated by the Authority.

2.5 COMPLAINTS

Complaints relative to the character of the service furnished, the reading of meters, or concerning bills rendered shall be in writing and mailed to the office of the Authority or shall be telephoned to the Authority office.

If an employee of the Authority is called out after normal business hours in response to a complaint by a customer and if such complaint is not deemed to be the responsibility of the Authority, then the customer will be charged *on the basis of time and materials with a minimum service charge of \$50.00*, which fee may be changed from time to time.

2.6 CONDITIONS OF PLUMBING SYSTEM

The piping and fixtures on the property of the customer shall be in satisfactory condition at the time service facilities are connected and water furnished. The Authority shall not be liable for any accidents, breaks, or leakage that are due to the connection with the supply of water or failure to supply the same. The Authority is not responsible for the freezing of piping and fixtures of the customers or for any damage to the property which may result from water supplied to the premises.

2.7 INDIVIDUAL LIABILITY FOR JOINT SERVICE

Two or more parties who join to make application for service shall be jointly and severally liable and shall be sent periodic bills. The Authority reserves the right in such individual cases when deemed necessary to make one or more of said parties the guarantor for payment of said bill and to send a single bill.

2.8 INSPECTION

Authorized employees of the Authority, with identification cards, shall have access to the customer's premises at all reasonable hours, for the purpose of turning the water on or off, inspection, repair, and/or replacement of service line extensions; inspection, setting, reading, repairing, and removal of meter; and for all such justifiable purposes.

2.9 INTERFERENCE WITH AUTHORITY'S PROPERTY

For the protection of the waterworks:

1. No person shall damage, injure, molest, disturb, or interfere with any pipe, hydrant, stop cock, reservoir, machinery, tool, or any other property belonging to or appertaining to the waterworks. Where any such damage, injury or molestation, disturbance, or interference takes place, any person observing this shall notify the Authority immediately.
2. No person shall, except as authorized by the Authority, open, close, interfere with or attach to or connect with any fire hydrant, stop valve or stop cock belonging to the Authority. Fire companies desiring to test the hydrants or fire-fighting equipment will first obtain permission from the Authority.

2.10 RENEWAL OF SERVICE

Water service will be renewed under a proper application when the conditions under which such service was discontinued are corrected, and upon the payment of all charges provided in the Schedule of Rates of the Authority due from the applicant, including the current charge for shutting off and restoring water service.

SECTION 3 - SERVICE CONNECTION

3.1 SERVICE LINE PROVISIONS

The service pipe from the curb stop to the premises shall be the property of the owner of the premises to which it is connected, and all repairs to the same shall be made at the expense of such property owner, who shall keep his pipes and fixtures in good repair, in such condition as to avoid unnecessary waste, and protected against frost, at his own expense. The property owner shall be held responsible for any waste or damage that may result from any defective service pipe, or other pipe located within the premises, or any fixture. The property owner shall pay for the cost of opening a frozen service pipe where the service pipe is not laid or protected in accordance with the provisions of this ordinance.

All service pipe shall be laid at least *four and one half (4.5) feet* below the surface of the ground and shall not be laid in the same trench or within *ten (10) feet* of any other utility service or facilities unless approved otherwise by the Authority's Engineer. *The Authority reserves the right to determine the size and type of the service pipe.*

No person shall extend or cause to be extended any service pipe from one property to another, without special permission having been granted therefor by the Authority, and without a stop being placed in such a position that the supply of water for either property can be shut off without closing off the supply of water for the other property.

All pipes shall be free from jogs and snags that might obstruct the drainage, shall be securely fastened to their places, and shall be so pitched that when the stop is turned off, all water shall flow toward the waste.

All pipes and fixtures shall be placed in such a manner as will secure them against frost. Whenever it may become necessary to carry any pipe along any outer wall, beneath any floor, through any open space or through any place where such pipe might be affected by drafts of air, such pipe shall be thoroughly boxed and packed, or otherwise protected against cold.

All plumbing for business buildings, manufacturing establishments and other premises where large quantities of water may be used shall be done in such a manner as to enable the water consumed to be measured by a single meter installation located as near to the main as feasible.

In extending pipe from existing installations, the same rules shall apply as are applicable, under these Rules and Regulations, to new installations.

Every street connection, at the time of making thereof, shall be provided with a separate stop cock and box, at the curb of the sidewalk when practicable, for each property to be supplied. The stop and box at the curb shall be the property of the Authority, placed there for its sole use.

Every service pipe shall have a drain valve inside the premises of the customer, so placed and kept

as always to be ready for use. Such drain valve shall control the entire supply of water for the premises and shall drain all the pipes and fixtures thereon. It shall be secured from frost and shall be provided with a handle approved by the Superintendent. Such handle shall be kept in a convenient place ready for immediate use.

Notice must be left at the office of the Authority the day before any service is to be put in. The notice should state the street number or location of the service, the name of the owner of the premises, and the exact time when the *service pipe* trench will be ready for making the connection. *The aforesaid notwithstanding the trench shall not be back filled until the service pipe has been tested or inspected by the Authority. The applicant shall be responsible for payment of the inspection fee. If any defect is found in the service pipe, water service will not be furnished until such defect is remedied.*

3.2 SERVICE LINE CONNECTION INSTALLATION

The Authority will install and maintain all Service Line Connections, make all connections to the main lines, furnish, install, maintain, and repair all service lines from the mains to and including the curb stop which will be placed inside the curb or property line, except in such cases where it shall be the responsibility of the developer as specified in a Developer Agreement pursuant to Section 2.3C(1) of these Rules and Regulations. The Service Line Connection shall be the property of the Authority and remain under its control.

The installation of all service line connections is subject to the submission of a written application to the Authority, approval thereof by the Authority and the payment of such required tapping fee and charges for the Service Line Connection installation as are in effect at the time of the application. The charges, *if any*, are to be paid in advance.

The Authority may charge a fee for issuing a permit or permits for street or road openings which will be charged to the applicant in addition to the other charges as well as the cost, if any, of repaving such opening(s) as may be made in connection with the Service Line Connection installation for service connections greater than 2-inch. The Authority reserves the right to defer the installation of service connections during inclement weather, until such time as in the judgment of the Authority, conditions are suitable for an expeditious and economical installation.

The Authority reserves the right to determine the size and kind of service line connection.

3.3 LENGTH OF SERVICE LINE

The Authority may exercise the right in cases where the length of the service line extension exceeds two hundred (200) feet, and in all cases where deemed advisable, to require the customer to construct, at his/her expense, a watertight meter pit provided with suitable iron cover and installed in accordance with a plan furnished by the Authority. The meter pit shall be installed at the property or curb line and is to be used for the housing of the meter required for the service of the premises.

3.4 MAINTENANCE SERVICE LINE CONNECTION

When meter boxes are located at the curb, the meter enclosure riser pipes and connections therein will be installed by and at the expense of the customer and no customer or workman shall alter, change, or in any way tamper with the meter box, meter, or piping connections therein without authorization from the Authority.

In cases where services are frozen, the Authority will, at its own expense, thaw out the service connection to the curb stop. The thawing out of the service pipe from the curb stop to the premises shall be done by the customer at his/her own expense. To avoid a recurrence of freezing, the Authority will make an *inspection* of the customer's service pipe and if the same is not at a depth of *four and one half (4.5) feet* as required, the Authority shall have the right to require it to be relocated before the service is resumed.

The Authority shall not be liable for any damage resulting from leaks, broken or frozen pipes or from any other cause occurring to or within any house or building or along any service line, and it is expressly stipulated by and between the Authority and the customer that no claims shall be made against the Authority on account of the bursting, breaking or freezing of any main or service pipe or any attachment to the waterworks.

3.5 MAINTENANCE-SERVICE LINE EXTENSION

Extension of distributing pipe or water main shall be made only after petition of the owners of real estate, or their authorized agents, along the proposed line and upon their entering into an agreement which shall satisfy the Authority that the owner of the real estate along the proposed line shall pay the cost of laying such pipe; provided the above rule shall not apply in cases where it may become necessary to supply short gaps in distributing pipe or water main in order to perfect the circulation, or to increase the size of pipe already laid, which shall be done as the Authority shall direct, and provided further, in any instance the Authority may, in its discretion, extend any distributing pipe or water main without petition or refuse any petition.

All service line extensions and fixtures installed by the customer shall be maintained in satisfactory condition. All valves, meters, and appliances furnished and owned by the Authority and on the property of the customer shall be protected properly and cared for by the customer. When repairs, renewals, or replacements or other necessary work is required on the aforesaid facilities of the customer, the customer shall employ, without delay, competent tradesmen to do the work. All said work shall be done at the expense of the customer. All leaks in the service or any other pipe or fixture or in or upon the premises supplied must be repaired immediately by the owner or occupant of the premises. On failure to make such repairs with reasonable dispatch, the Authority, upon *ten (10) days'* notice, may discontinue service to the premises and not resume service until all necessary repairs are made, and the current charge for shutting off and restoring water service is paid.

The Authority shall in no event be responsible for maintaining any portion of the service line or service line facilities owned by the customer, or for damage done by water escaping therefrom, or from lines or fixtures on customer's property, and the customer shall, at all times, comply with Authority Rules and Regulations and make changes required on account of change of grade, relocation of mains, or otherwise.

3.6 SERVICE CONNECTION STANDARDS

This section shall govern the materials, design and installation of water service connection and laterals for utilization of privately owned residential, commercial, public and industrial connections and shall govern the installation of individual water supply systems for definitions of terms used in this chapter refer to the definitions section of the Uniformed Construction Code (most recent edition). This chapter establishes the minimum acceptable standards that shall apply to privately

owned water service piping, valving and appurtenances, generally located between the curb stop and the building line (or water meter, if installed within the building line), proposed for connection to the Brodhead Creek Regional Authority Public Water System. These standards and requirements shall in no way confer or imply responsibility for ownership or future maintenance of said privately owned facilities by the Authority.

Pumps shall be rated for the transport of potable water. Pumps shall be covered with a water-tight seal. Pumps shall be designed to maintain a prime and installed as such that ready access is provided to the pump parts of the entire assembly for repairs.

The pump room or enclosure around the pump shall be drained and protected from freezing by heating or other approved means. Where pumps are installed in basements, such pumps shall be mounted on a block or shelf not less than 18 inches (457 mm) above the basement floor. Pump pits shall be prohibited. All pumps shall be provided with approved check valves and/or backflow prevention devices.

The water service pipe shall be sized to supply water to the structure in the quantities and at the pressures required for the designed application. The applicant shall be responsible to determine and notify the Authority of the required line size. The minimum nominal diameter of water service pipe shall be $\frac{3}{4}$ -inch.

Separation of water service and building drain/sewer. Water service pipe and the building drain/sewer shall be separated by 10 feet (1524 mm) of undisturbed or compacted earth, unless otherwise approved by the Authority's Engineer.

Exception: The required separation distance shall not apply where the bottom of the water service pipe is within 5 feet (1524 mm) horizontally of the building drain/sewer or is a minimum of 12 inches (305 mm) vertically above the top of the highest point of the building drain/sewer.

Water service near sources of pollution. Potable water service pipes shall not be located in, under or above cesspools, septic tanks, active septic tank drainage fields or seepage pits.

MATERIALS, JOINTS AND CONNECTIONS

Water compatibility. Water service lateral pipe shall be resistant to corrosive action and degrading action from the potable water supplied by the Authority.

Soil and ground water. The installation of a water service pipe shall be prohibited in soil and ground water contaminated with solvents, fuels, organic compounds or other detrimental materials causing permeation, corrosion, degradation or structural failure of the piping material. Where detrimental conditions are suspected a chemical analysis of the soil and ground water conditions shall be required to ascertain the acceptability of the water service material for the specific installation. Where detrimental conditions exist, approved alternative materials or routing shall be required.

Water service pipe. Water service pipe shall conform to NSF61 and shall conform to one of the standards listed in Table A. All water service pipe or tubing, installed underground and outside of the structure, shall have a minimum working pressure rating of 160 psi at 73.4°F (23°C). Where the expected water pressure exceeds 160 psi, piping material shall have a minimum rated working pressure equal to the highest available pressure or pressure reducing valves will be required to reduce the working pressure to acceptable levels. All pressure reducing valve specifications and

installations shall be reviewed for approval by the Authority.

Dual check-valve type backflow preventer. Where a dual check-valve backflow preventer is installed on the water supply system, it shall comply with the approved devices outlined in Resolution 2005-12 found at the end of these regulations and in the table found on page 19. All service connections shall be provided with an approved backflow prevention device, in conformance with the attached “application for backflow preventers” table.

Fittings. Pipe fittings shall be approved for installation with the piping material installed and shall conform to the respective pipe standards. All pipe fittings utilized in water supply systems shall also conform to NSF 61. The fittings shall not have ledges, shoulders or reductions capable of retarding or obstructing flow in the piping.

Valves. All valves shall be of the approved type and compatible with the type of piping material installed in the system. The minimum working pressure rating of all valves shall meet or exceed the expected water pressure at the point of installation.

Water pressure booster systems required. Where the water pressure in the public water main or individual water supply system is insufficient to supply the minimum pressures and quantities specified in this code, the supply shall be supplemented by an elevated water tank, a hydro-pneumatic pressure booster system or a water pressure booster pump installed as outlined in the Engineer’s review letter from the Authority. It shall be the responsibility of the property owner to install and maintain these systems.

The minimum acceptable service pressure at the curb stop shall be 35 psi static.

Low-pressure cutoff required on booster pumps. A low-pressure cutoff shall be installed on all booster pumps in a water pressure booster system to prevent creation of a vacuum or negative pressure on the suction side of the pump when a positive pressure of 10 psi or less occurs on the suction side of the pump.

Private water supplies. Cross connections between a private water supply and a potable public supply shall be prohibited.

TABLE A

WATER SERVICE PIPE

MATERIAL	STANDARD
Brass pipe	ASTM B 43
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, WK, L, WL, M or WM)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Ductile iron water pipe (double cement lined) – For 3-inch diameter and larger only	AWWA C151 (Class 52 Min.); AWWA C115 (Class 53 Min.)

Polybutylene (PB) plastic pipe and tubing – For Meter Pits/PRV Pits only	ASTM D 2662; ASTM D 2666; ASTM D 3309; CSA B 137.8
Polyethylene (PE) plastic pipe	ASTM D 2239; CSA CAN/CSA B137.1
Polyethylene (PE) plastic tubing	ASTM D 2737; CSA B137.1

APPLICATION FOR BACKFLOW PREVENTERS

DEVICE	DEGREE OF HAZARD a	APPLICATION b	APPLICABLE STANDARDS
Air gap	High or Low Hazard	Backsiphonage or back pressure	ASME A112.1.2
Antisiphon-type water closet flush tank ball cock	Low Hazard	Backsiphonage only	ASSE 1002 CSA CAN/B125
Barometric loop	High or Low Hazard	Backsiphonage only	(See Section 608.13.4)
Reduced pressure principle backflow preventer	High or Low Hazard	Backpressure or backsiphonage Sizes 3/8-inch – 16-inch.	ASSE 1013 AWWA C511 CSA CAN/CSA-B64.4
Reduced pressure detector assembly backflow preventer	High or Low Hazard	Backsiphonage or backpressure (Fire sprinkler systems)	ASSE 1047
Double check backflow prevention assembly	Low Hazard	Backpressure or backsiphonage Sizes 3/8-inch – 16-inch	ASSE 1015 AWWA C510
Double check detector assembly backflow preventer	Low Hazard	Backpressure or backsiphonage (Fire sprinkler systems) Sizes 1 1/2-inch – 16-inch	ASSE 1048
Dual-check-valve-type backflow preventer	Low Hazard	Backpressure or backsiphonage Sizes 1/4-inch – 1-inch	ASSE 1024
Backflow preventer with intermediate atmospheric vents	Low Hazard	Backpressure or backsiphonage Sizes 1/4-inch – 3/4-inch	ASSE 1012 CSA CAN/CSA-B64.3
Dual-check-valve-type backflow preventer for carbonated beverage dispensers/post mix type	Low Hazard	Back Pressure or backsiphonage Sizes 1/4-inch – 4-inch	ASSE 1032
Pipe applied atmospheric-type vacuum breaker	High or Low Hazard	Backsiphonage only Sizes 1/4-inch – 3/8-inch	ASSE 1001 CSA CAN/CSA-B64.2

Pressure vacuum breaker assembly	High or Low Hazard	Bicksiphonage only Sizes ½-inch – 2-inch	ASSE 1020
Hose-connection vacuum breaker	High or Low Hazard	Low head backpressure or backsiphonage Sizes ½ inch, ¾-inch, 1-inch	ASSE 1011 CSA CAN/CSA B64.2
Vacuum breaker wall hydrants, frost-resistant, automatic draining type	High or Low Hazard	Low bead backpressure or backsiphonage Sizes ½-inch, ¾-inch, 1-inch	ASSE 1019 CSA CAN/CSA- B64.2.2
Laboratory faucet backflow preventer	High or Low Hazard	Low head backpressure or backsiphonage Sizes ¾-inch, 1-inch	ASSE 1035 CSA B64.7
Hose connection backflow preventer	High or Low Hazard	Low head backpressure, rated working pressure back pressure or backsiphonage Sizes ½-inch – 1-inch	ASSE 1052
Spill-proof vacuum breaker	High or Low Hazard	Backsiphonage only Sizes ¼-inch – 2-inch	ASSE 1056

Identification of potable and non-potable water. In buildings where two or more water distribution systems, one potable water and the other non-potable water, are installed, each system shall be identified either by color marking or metal tags unless otherwise approved by the Authority’s Engineer.

Identification. Pipe identification shall include the contents of the piping system and an arrow indicating the direction of flow. Hazardous piping systems shall also contain information addressing the nature of the hazard. Pipe identification shall be repeated at maximum intervals of 25 feet and at each point where the piping passes through a wall, floor or roof. Lettering shall be readily observable within the room or space the piping is located.

Color. The color of the pipe identification shall be discernable and consistent throughout the building within pumphouses and piping galleries, PADEP Color code standards shall be utilized.

INSPECTION

All service connections to the Brodhead Creek Regional Authority Water System shall be inspected by the Authority, or its authorized agents or consultants, for conformance with the standards of this chapter.

3.7 OTHER SERVICE LINE REQUIREMENTS

The Authority reserves the right to require any owner to install, in conjunction with his service line, such valves, backflow preventors, check valves, relief valves, pressure regulator, or other apparatus of approved design, when and wherein its opinion, the conditions may require it for the safeguarding and protection of the Authority's property or the water supply.

Should the use of water by any customer become excessive during periods of peak use and cause a substantial decrease in pressure in the distribution system of the Authority to the extent that normal water service to other customers is impaired, the Authority may exercise the right to require the installation of properly designed and adequate storage facilities on the system of the premises involved. The Authority reserves the right to enforce reasonable restrictions in the use of water until such storage facilities are constructed and in use. The customer shall be required to enter into a

contract for storage facility within three (3) months from the date of order by the Authority.

The said facilities shall include all piping, valves, fittings, storage structures, pumps, automatic controls, and such other appurtenances as are required to permit the storage and delivery of water during periods of peak water use on the premises thereby avoiding a direct use from the system of the Authority during such periods. The basic design of such systems shall be subject to approval by the Authority's Consulting Engineer.

When steam boilers take a supply of water directly from the service pipe, depending upon the hydraulic or hydrostatic pressure in the pipe system of the Authority for their supply under working pressure, it will be at risk of the parties making such attachments. The Authority shall not be responsible for any accidents or damages to which such devices are frequently subjects.

House boilers for domestic use must, in all cases, be provided with a backflow preventer, a pressure relief valve, a feed water regulator, and a relief valve to prevent collapsing when water is shut off from the distributing pipes. The Authority will, in no case, be responsible for accidents or damages resulting from failure to observe this rule, due to conditions in the distributing pipes, due to the imperfect action of any such valves, or due to any other causes.

In the case of sprinkler systems, the line from the premises to the main is the responsibility of the owner. The owner may be required by the Authority to install valves, valve chambers, and/or meters.

All Sprinkler system plans shall be reviewed and approved by the Authority or its Engineer prior to installation of the system.

3.8 PENALTY FOR PLACING OBSTRUCTIONS OVER, IN, OR AROUND CURB BOXES

If obstructions are placed over, in, or around curb boxes in a manner to prevent normal operation of the curb box, or to result in damage to the curb box, curb stop, or service line, the Authority shall shut the water off at the curb stop and plug the curb box or disconnect the service line or turn the water off at the corporation stop, as it may deem necessary. Before service will be renewed, the customer shall pay to the Authority the expenses incurred in shutting the water off and in turning it on again, including the cost of necessary trenching and backfilling, of cutting and replacing pavement, sidewalk or curbing, of any municipal permit or permits for opening the pavement, and also shall settle any unpaid bills for water or other service.

3.9 SERVICE LINE CONNECTION ON PRIVATE PROPERTY

Service line connections will not be installed on property other than that of the premises to be furnished with water, unless the owner of the premises obtaining such service assumes all liability.

3.10 SINGLE SERVICE LINE WITH TWO OR MORE CUSTOMERS

When two (2) or more customers are supplied through a single service line, any violation of the Rules and Regulations of the Authority by either of the customers shall be a violation to all, and unless said violation is corrected after reasonable notice, the Authority may take such action as can be taken for a single customer, except that such action shall not be taken until the innocent customer who has not violated the Authority's Rules and Regulations has been given a reasonable opportunity to attach his service line to a separately controlled service connection.

3.11 USE OF CURB STOPS

Curb stops at the curb line shall not be used by the customer for turning on or shutting off the water supply. The control of the water supply by the customer shall be by means of a gate valve usually located just inside the building wall or on the meter setting. Curb stops are for the exclusive use of the Authority except when due to a break in the service line, a plumber is permitted to shut the curb stop.

3.12 PROHIBITION OF CROSS CONNECTION

See Attachment 1. See Resolution 2007-1 of January 3, 2007 at the back of this document for applicable regulations.

3.13 INSPECTION

The Authority shall perform such inspections as deemed necessary to verify that the service pipe installation, maintenance and repairs comply with the requirements set forth herein .

SECTION 4 - METERS

4.1 GENERAL

It shall be the duty of the Authority to install meters where the water consumption is now metered as soon as conveniently may be done. Every building hereafter constructed and every building hereafter, for the first time, furnished with water from the waterworks shall be metered before any water shall be furnished to such building. Construction projects may use water for building purposes without the installation of a meter upon application made to the Authority and upon payment of a fee; provided, however, the contractor or building does not waste water. Detection of wasting water shall be sufficient reason to withdraw permission to use water and shall require the immediate installation of a meter or the shutting off of the water until a meter is installed.

The Authority shall furnish and install all meters which in its judgment are adequate. Upon notice by the Authority that a meter is to be installed in a premises, the owner thereof shall, at his own expense, prepare the pipe ready for the installation of the meter as well as any stop, waste or valves required to drain it. Whenever steam or hot water under pressure is used, the owner shall install at his own expense a back flow prevention check valve to be placed directly ahead of the meter. When convenient, meters shall be placed within the property line of the customer in a convenient, accessible and unobstructed position within a building, and in no case shall any person, other than an authorized representative of the Authority, change or alter or interfere with the meters or dials thereof. When not convenient to place a meter within a building, a suitable meter box or masonry pit shall be built at the curb at the expense of the owner of the property, such box to have a suitable cover with lock and key. *No connection shall be made so as to bypass the meter. Violations shall be corrected at the expense of the owner and may result in the prosecution for the theft of utility services.*

All meters, unless otherwise indicated, will be furnished and installed by the Authority, and will remain the property of the Authority and be accessible to and subject to its control and maintenance. The cost of all meters will be paid in advance of the installation by the owner of the property at the

charge in effect at the time of installation. A meter will be required for each premise, except as otherwise provided herein.

4.2 CHANGE IN LOCATION OF METERS

The customer shall pay for the cost of relocation of all meters at his/her request or for his/her convenience.

4.3 REMOVAL OF METER

The customer shall not disconnect or remove the meter or permit its disconnection or removal without the consent of the Authority.

4.4 LEAKS

Customers are urged to give careful attention to their plumbing and fixtures and make immediate correction of all leaks. No allowance will be made by the Authority for water used, lost, stolen, or otherwise wasted through leaks, carelessness, neglect, or otherwise after the water has passed through the water meter.

- 4.4 A. Shut-off service charge (leaks only). The Authority shall charge \$5.00 to shut-off a service at the curb stop in order for a customer to make a repair to their service line and a \$5.00 charge to turn the water back on once the repair is made.

4.5 METER TESTS

All meters are accurately tested before installation and thereafter are periodically tested. Should any customer of the Authority at any time doubt the accuracy or correctness of the meter measuring water delivered to his/her premises, he/she may, upon applying to the Authority and making a deposit, which amount may change from time to time, have said meter tested. If the test shows the meter in question to be accurate within five (5) percent, the customer shall forfeit the deposit made. If the test shows the meter to be registering incorrectly beyond five (5) percent of the accurate amount, said deposit shall be refunded to the customer and the account adjusted accordingly and the cost of the meter test shall be borne by the Authority.

The current deposits required with application for meter tests are as follows:

Meter Size	Costs
5/8-inch to 1-inch meters	\$75.00
1 ¼-inch to 2-inch meters	\$100.00
3-inch meters	\$100.00
4-inch meters	\$150.00
6-inch meters	\$200.00

If a meter fails to register or otherwise becomes out of order, such meter shall be replaced or repaired by the Authority, and the current bill shall be estimated and determined by the average amount of water used in a previous corresponding period. No deduction from any water bill shall be allowed on account of leakage.

4.6 NOTIFICATION OF CONDITION OF METER

The customer shall notify the Authority of damage to or of the non-working of the meter or the breaking of the seal or seal wire, as soon as he/she is cognizant of such a condition. The customer is liable for any damage to the water meter on his/her premises and shall be billed for a new meter if the Authority is unable to economically repair the damaged meter.

4.7 READING AND REGISTRATION OF METERS

Reading of meters shall be completed quarterly by the Authority, and the reading on the meter shall be conclusive to both the customer and the Authority, except when the meter has been found to be registering inaccurately or has ceased to register. *The customer may be required to provide meter readings to the Authority if so requested by the Authority. Any error in reading the meter by Authority employees where an underbilling or overbilling is discovered shall be corrected immediately upon discovery and a credit or bill issued to the customer for only a period of one (1) previous quarter or monthly billing.*

4.8 SEALS

No seal placed by the Authority for the protection of any meter, valve, fitting, or other water connection shall be tampered with or defaced. It shall not be broken except upon authorization from the Authority, or in the presence of any Authority representative. Where the seal is broken, the Authority reserves the right to remove the meter for test at the expense of the customer, even though said meter registers accurately.

4.8 SIZE OF METER

The Authority reserves the right in all cases to stipulate the size and type of the meter to be installed on each service line and to require the installation of a larger size meter in any case where the peak use of water places any meter under undue or unusual strain, and/or exceeds the recommended meter capacity.

The size of a meter installed shall be the same size as the service line, except that on a three-quarter (3/4)-inch line serving domestic customer the privilege of using a 5/8-inch meter may be allowed by the Authority. In no case will the service line be less than 3/4-inch.

SECTION 5 - SERVICE

5.1 DISCONTINUANCE OF SERVICE

A. By Authority

Service under any application may be discontinued for any of the following reasons:

1. For willful failure to supply meter readings or for willful supplying of false information with request to meter readings.
2. For the use of water for the benefit of any other premises or purposes than those described in the application.
3. For willful waste of water.
4. For failure to maintain the service lines and fixtures in good order.
5. For damaging or interfering with any service pipe, meter, meter box, curb stop, curb box, seal, or other fixtures and appliances of the Authority.
6. In the case of continued vacancy of the premises.
7. For refusal of reasonable access to the premises for purposes of inspecting the piping, fixtures, and other parts of the water system, or for reading, repairing, or removing meters.
8. Where the contract has been in any way terminated by the customer.
9. For making or for refusing to sever upon notice, *any connection which bypasses a meter and any cross connection between the pipe or fixtures carrying water furnished by the Authority and a pipe or fixture carrying water from any other source.*
10. For resale of water.
11. For premises where the demand for water is greatly in excess of past average or seasonal use, or where such excessive demands for water by the premises may be detrimental, injurious to, make inadequate, or in any way impair, water service furnished to other customers.
12. For violation of these Rules and Regulations or other requirements governing the supply of water furnished by the Authority.

B. By Customer

Any customer may temporarily terminate his service with the Authority and have his water service discontinued upon written notice to the Authority and payment of the turn-off charge. Payment cost shall be \$5 to shut-off the water and \$5 to turn it back on. The basic rate will continue to be billed to the service location and the customer shall be responsible for payment of the bill.

5.2 RENEWAL OF SERVICE AFTER DISCONTINUANCE

Service may be renewed under a proper application when the conditions under which such service was discontinued are corrected, and upon the payment of all proper charged or amounts provided in

the Schedule of Rates of the Authority due from the applicant, including the current charge for shutting off and restoring water service. If the connection is being permanently disconnected, it shall be the responsibility of the customer to pay for all costs incurred by the Authority to disconnect the service line to that property at the corporation tap in the water main line.

5.3 RESERVE SUPPLY

The Authority shall have the right to reserve a sufficient supply of water at all times in its storage facilities, to provide for fire and other emergencies, or may restrict or regulate the quantity of water used by customers in case of scarcity whenever the public welfare may require it.

5.4 SUSPENSION OF SERVICE DUE TO EMERGENCY

The Authority shall have the right to cut off the water supply temporarily in order to make necessary repairs, connections, and to do such other work, as necessity may arise in case of breakdown, emergency, or for any other unavoidable cause. The Authority will use all reasonable and practical measures to notify the customer of such discontinuance of service.

In such cases, the Authority shall not be liable for any damage or inconvenience suffered by the customer or for any claim against it at any time for interruption in service, lessening of the supply, inadequate pressure, poor quality of water, or for any other causes beyond its control. Such temporary shut-off of water supply shall not entitle the customer to any abatement or deduction in water service charges, nor the refund of any portion of such service charges paid in advance during or for the time of such shut-off, stating the probable duration of the interruption of service and also the purpose for which the shut-off is made.

Nothing in these Rules and Regulations contained herein, however, shall be construed as a guarantee, covenant, or agreement of the Authority to give notice of any shut-off due to emergencies or otherwise.

SECTION 6 - PRIVATE FIRE SERVICE

6.1 GENERAL CONDITIONS - PRIVATE FIRE HYDRANTS

The private fire hydrant(s) installed on a separate fire service main will be subject to flat charges as set forth under the Rate Schedule and to the Rules and Regulations controlling such service and may be subject to a special contract.

When a special contract is entered into by the Authority with a private party for a private fire hydrant which is to be located in a public street or thoroughfare, the hydrant, with service connection, will be installed at the expense of the applicant.

When a hydrant is to be located within the yard of the customer's premises, the entire installation from the street main to and including the hydrant, shall be installed at the expense of the customer.

Such connections, where allowed, are to be used solely for the extinguishment of fire and for no other purpose except upon the written consent of the Authority, and any violation of this provision shall be cause for the cancellation of the contract and discontinuance of the service.

The following regulations shall apply to the installation and testing of pipes for fire protection purposes:

1. Pipes for fire protection purposes shall be fitted with only such fixtures as are needed for fire protection, and such fixtures shall be sealed by the Authority.
2. Any person having connections used for fire protection may test such apparatus at any time under the following conditions:
 - a. Written notice shall be given to the Authority that such test is desired, and the Authority shall then assign to the applicant a day and hour when such test can begin.
 - b. All tests shall be in the presence of an employee of the Authority assigned for that purpose, and the sole duty of such employee shall be to remove and replace the seal of the Authority used on such fire protection apparatus and to note the time required for his/her presence.
3. No seal shall be removed from any fire protection apparatus except in case of fire, and in such cases the owner or occupant of the premises where such apparatus is located shall be made a written report of that fact within twenty-four (24) hours of its occurrence.

6.2 APPLICATION FOR PRIVATE FIRE PROTECTION SERVICES

A written application prepared on the form furnished by the Authority must be submitted for the purpose of requesting a special fire connection for private fire protection service.

The application shall be accompanied by accurate plans showing the proposed fire protection system and appurtenances, and showing any other water supply and appurtenances which may exist on the premises.

6.3 APPROVAL OF APPLICATIONS

The application does not bind the Authority to approve the requested special connection. The Authority will make a study of each proposed installation to determine whether such a connection will in any way endanger the general water service in the vicinity. The Authority shall reserve the right to refuse approval of an application for private fire service. The Authority further reserves the right to make an approval subject to the installation of adequate storage facilities and related appurtenances on the premises thereof, if found necessary in order to permit maintenance of adequate water service to other customers.

6.4 COST OF FIRE SERVICE CONNECTION

All service connections for fire service shall be at the expense of the customer and if installed by the Authority, the customer will be charged the exact cost of labor and materials used in the work with an addition of ten (10) percent to cover the cost of supervision, inspection, etc.

6.5 METER REQUIREMENTS - FIRE SERVICE CONNECTIONS

Meters shall be required on connections providing service for fire protection if such connections are not used exclusively for fire service. The fire service shall be subject to the basic rates for Private

Fire Service (Rate Schedule). The cost of meter and installation and structure shall be paid by the customer.

If a meter is installed in connection with this type of service, payment shall be in accordance with the regular metered rates as shown in the Rate Schedule.

6.6 RESPONSIBILITY FOR SERVICE

It is agreed by the parties receiving public or private fire service that the Authority does not guarantee any specific pressure or capacity and does not warrant that a sufficient quantity or pressure of water to extinguish fires will be available to the customer or any person or corporation occupying or using the premises served. The parties receiving such service waive any and all claims for injury to persons or property which such parties or any person or corporation occupying or using the premises served may have against the Authority arising from water or the insufficiency of the quantity of water or the pressure thereof for the extinguishing of fires, whether such insufficiency of quantity or pressure shall be due to any act or neglect of the Authority, its agents or employees, or shall be due to any other cause whatsoever.

6.7 TERMS AND CONDITIONS

The final approval of any application and furnishing of private fire protection service will be subject to the following terms and conditions and may be subject to the execution of a contract between the responsible parties and the Authority:

1. The Authority's designated representatives, with proper identification, shall have the right to enter the premises of the applicant at any reasonable time for the purpose of making such inspections as it may deem necessary, and it shall have the right to attach any testing device or use any means which it may elect to determine the condition of pipe and appurtenances.
2. All fixtures and openings (other than the control valves) shall be kept closed and sealed and not opened or used except during times of fire. Upon the extinguishment of each fire, the applicant shall immediately notify the Authority so that said fixtures and openings can again be closed and sealed.
3. The applicant agrees the Authority shall not be considered in any manner an insurer of property or persons, or to have undertaken to extinguish fire or to protect any persons or property against loss or damage by fire or otherwise.
4. The applicant does not contemplate uses of fixtures other than stated. If a supply of water for use other than extinguishment of fire is desired by the applicant, then it shall be taken through a service pipe separately connected directly or indirectly with the service pipe contemplated by this application.

Any waste of water or use of water for purposes other than the extinguishment of fire through this connection shall be deemed a violation of the terms and conditions of this application and the Rules and Regulations of the Authority.

5. The rights and obligations of the application shall be subject at all times to the Rates,

Rules and Regulations of the Authority that now exist or which may hereafter be adopted.

6. The applicant agrees to obtain in advance, the approval of the Authority for any change, alteration, addition, or deduction contemplated in the fixtures, openings, and uses herein specified.
7. Upon acceptance by the Authority and the completion of the service connection, the application shall be in force as a contract and shall continue as such until canceled by written notice by the applicant.

SECTION 7 - WATER LINE EXTENSIONS

7.1 GENERAL

The extension of water lines from the water system of the Authority shall be in accordance with the following rules and regulations. All water line extensions shall be connected to main lines owned by the Authority and shall be required in all or any of the following instances:

1. For the furnishing of water service to an individual premise whose front property line does not abut a main water line installed in a public right-of-way and owned by the Authority.
2. For the furnishing of water service to a group of individual premises whose front property lines do not abut main water lines installed in a public right-of-way and owned by the Authority.
3. For the furnishing of water service to a group of premises located within the limits of a recorded plan of lots where the developer of the plan is desirous of obtaining such service for the lots.
4. For the furnishing of public or private fire service to a private individual company or others requesting such service where no Authority owned lines are installed in public rights-of-way, or where existing Authority owned lines are not capable of producing the requested fire flows.
5. For the furnishing of a requested quantity of water for a premise or group of premises which is beyond the capability of the existing Authority system in the area where service is required.
6. Such other similar instances.

7.2 APPLICATION FOR EXTENSION

A written application must be submitted to the Authority for the purpose of requesting approval of a water line extension and water service. The application shall be accompanied by plans showing the proposed location of the extension and other pertinent conditions.

The application shall be signed by the owner or owners and shall be subject to the terms and conditions as are set forth and included in an agreement(s) which, together with the Rules and Regulations of the Authority, shall regulate and control the installation of water line extensions and the furnishing of water service.

By submitting such plans and application the owner or owners agree to reimburse the Authority the

cost of all Engineering and Legal fees it incurs to review the proposed extension plans plus a 10% Administrative Fee

7.3 AGREEMENT

The owner shall enter into an agreement with the Authority, prior to the execution of any work, the agreement to contain such pertinent conditions as the following:

1. The cost of all work to be borne by the owner.
2. The materials and workmanship to be in accordance with the Standard Specifications of the Authority.
3. The ownership titles to all installations to be conveyed to and vested in the Authority.
4. *Permanent easements to be granted to the Authority for all water lines and appurtenances.*

7.4 LIMITS OF EXTENSION

The extension of a water line shall include the entire quantity of pipeline and appurtenant facilities required to conduct the supply of water from the point connection to the existing distribution system of the Authority to and across the entire frontage of the last property for which the owner has requested water service.

7.5 MAINTENANCE BOND REQUIREMENTS

The owner shall deposit with the Authority in cash at the time of execution of the escrow agreement ten (10) percent of the estimated construction cost to be held in escrow as a maintenance bond for eighteen (18) months after completion of the improvements.

7.6 RESPONSIBILITY FOR COST

The entire cost of the water line extensions, including the cost of fire hydrants and other appurtenances and facilities, shall be borne by the owners, the Authority to be subject to no cost. The cost of the water line extension or installation shall include but not limited to the following:

1. The cost of the water lines. The minimum size shall be eight (8) inches in all locations.
2. The cost of connections to the existing main lines.
3. The cost of all main line meters, valves, valve boxes, fittings, fire hydrants, and all related work.
4. The cost of all land and rights-of-way.

SECTION 8 - WATER WASTE

8.1 WATER WASTE PREVENTION

The following regulations shall be in effect in order to prevent waste or excessive use of water or

irregularity of pressure.

1. The Authority may inquire into and investigate the cause of any unusual flow or apparently unnecessary waste of water upon any premises furnished with water from the waterworks. If the said flow or waste results from want of repair of any pipe or other fixture, the superintendent shall require the owner of such premises to make such necessary repairs within five (5) days, and upon failure of such owner to make such repairs within the time limit, the Authority shall have the right to shut-off the supply of water leading to such premises. Such water shall not again be turned on until the customer shall have made the required repairs and paid the current charge for shutting-off and restoring water service.
2. No person shall use the Authority water or permit it to be used for any purpose other than that declared at the time the permit mentioned in Section 2.3 was obtained.
3. No person shall allow water fixtures to run when not in use for the purpose for which intended.
4. No person shall allow water to flow continuously in order to guard against freezing or for any other purpose, except by special permission from the Authority; provided, the Authority may at any time rescind such special permission when it shall deem its continuance to be detrimental to the operation of the waterworks and the service available to other customers.
5. Except in case of fire, no large current of water shall be permitted to flow at intervals causing irregularity of pressure. The use of fixtures that may create water hammers is prohibited.
6. The Authority may in time of emergency restrict the use of water.
7. No person or persons shall willfully injure the waterworks or open any pipe, main, hydrant, or any other device connected with the same as to occasion a wanton or willful waste of water or inconvenience or damage to the citizens.

8.2 RESPONSIBILITIES OF PLUMBERS

All plumbers working in the Authority's service area shall observe the following regulations and requirements:

1. No plumber shall do any work within the Authority's service area that would result in a violation of any of the provisions of these Rules and Regulations, or any ordinance or codes then in effect in the Borough of Stroudsburg or the Township of Stroud, Pocono, Smithfield or Hamilton.
2. Whenever Authority water is introduced into any premises or changes are made in any water pipes or fixtures that might affect the water supply, or the security against frost, each plumber doing such work shall notify the Authority of the location and nature of such work, and the Authority shall thereupon cause such work to be promptly inspected. No water shall be turned on permanently in any location until the Authority has inspected and approved such work.

SECTION 9 - ADMINISTRATIVE

9.1 VIOLATIONS

Any person who shall violate any of the provisions of these Rules and Regulations *shall be prosecuted by the Authority.*

9.2 SEVERABILITY

The various provisions, sections, sentences, clauses or parts of these Rules and Regulations or the application of any of the same shall be construed to be severable, and no part hereof shall be held invalid because of invalidity of any other part.

9.3 CONFLICT

All Rules and Regulations or parts of any Rules and Regulations inconsistent herewith be and the same are hereby repealed.

These Rules and Regulations shall become effectively immediately.

AUTHORIZING THE ESTABLISHMENT OF A PAYMENT SCHEDULE FOR NEW CUSTOMERS WITH EXISTING WELL SERVICE TO PAY CONNECTION AND TAPPING FEES WHEN AFFECTED BY A NEW WATERLINE EXTENSION INTO AN AREA NOT PREVIOUSLY SERVED BY THE AUTHORITY AND AUTHORIZING THE MANAGER TO ENTER INTO PAYMENT PLANS.

WHEREAS, the Brodhead Creek Regional Authority is a rapidly growing Authority which provides water service to its member municipalities, the Borough of Stroudsburg and the townships of Stroud, Smithfield, Pocono and Hamilton; and

WHEREAS, each member municipality will have enacted uniform mandatory connection ordinances; and

WHEREAS, the extension of new waterlines into areas where existing facilities are serviced by individual private wells will now be required to connect to the Authority's municipal water system and abandon private wells.

NOW, THEREFORE, BE IT RESOLVED that in recognition of the costs associated with mandatory connection to the municipal water system, the Authority authorizes the Manager to establish payment schedules for the payment of Tapping and Connection Fees.

RESOLVED, FURTHER, that Manager is authorized to establish payment plans for fees to be paid on a monthly basis up to, but not exceeding a twelve (12) month period, with interest at the rate of six (6%) percent per annum. Failure to make payment in full shall result in the filing of a Municipal Lien for all charges and fees, or collection by civil action at the discretion of the Manager.

ADOPTED by the Board of the Brodhead Creek Regional Authority, this 5th day of October, 2005.

Wm Taylor Wenck, Chairman

BRODHEAD CREEK REGIONAL AUTHORITY

RESOLUTION 2007-1

Whereas; the Brodhead Creek Regional Authority has established “Rules and Regulations” for water service for its customers and,

Whereas; the “Rules and Regulations” currently address how service Connections are constructed and,

Whereas; the Board of the Brodhead Creek Regional Authority intends to amend Section 3 of the “Rules and Regulations” by this resolution in order to better define the requirements to protect the Authority’s water distribution system and its customers.

Nowtherefore; The Board adopts this amendment to Section 3 as attached to the Authority’s “Rules and Regulations” effective January 3, 2007.

The adoption of this resolution took place at the regular Board meeting of January 3, 2007.

Attest: Wm. Taylor Wenck
Secretary

Joseph T. Shay
Chairman

Brodhead Creek Regional Authority – Amendment to Section 3.12 – “Prohibition of Cross Connection” of the Rules and Regulations.

The Authority, as the water purveyor, has the primary responsibility for preventing water from unapproved sources, or any other substances, from entering the public water supply system. The intent of this policy is to protect the Authority’s system by setting guidelines for the minimum backflow prevention devices to be utilized. Extensions and service connections to the public water system shall not be designed or constructed in a manner which creates a cross connection.

3.12.A. WATER SERVICE RULES:

1. No cross connections will be permitted.
2. An Authority approved backflow prevention device shall be installed at the service connection to every premises where there exists a water supply. If multiple buildings, units, apartments, townhouses or other living quarters are present on an individual property, the Authority may, at its discretion, require individual backflow prevention devices on the water service line to each unit.
3. A backflow prevention assembly shall be installed on all service lines.
 - a) All new residential customers shall be provided a backflow prevention assembly for the domestic service, which shall be furnished and installed by the Authority. The Customer/Developer shall reimburse the Authority for the cost of this equipment and labor. The Customer’s plumbing plan shall provide for the necessary piping and fixtures to accommodate installation of this equipment by the Authority. Generally, the device shall be installed directly after the meter in a configuration specified by the Authority. Installation of the device prior to the meter may be permitted, if acceptable to the Authority and the meter

Manufacturer.

- b) All existing residential customers shall have a backflow prevention assembly for the domestic service, which shall be furnished and installed by the Authority. The Customer shall reimburse the Authority for the cost of this equipment and labor.
- c) All residential customers, whether existing or new, which elect to utilize a residential fire protection system (i.e. sprinkler system) shall be responsible for furnishing and installing a backflow prevention assembly of the appropriate type and hazard rating, subject to the review, approval and inspection by the Authority.
- d) All existing or new commercial, industrial, institutional or other than residential customers shall furnish and install a backflow prevention assembly(s) of the appropriate type and hazard rating, subject to the review, approval and inspection by the Authority.

3.12.B. RESPONSIBILITIES:

AUTHORITY:

1. To review and evaluate, on-site with the aid of the Owner/Developer, proposed plans of all connections to the Authority's system, in order to determine the appropriate type of backflow prevention assemblies required to contain within the Owner's premises any pollutant and/or contaminant which may enter the plumbing system.
2. To notify, in writing, the Owner of premises connected to the Authority's system of any corrective action required in order to comply with the Authority's backflow prevention policy.
3. To immediately discontinue service to any premises where the Authority becomes aware that a serious threat to the public health exists.
4. To discontinue service to any premises where an owner has not complied with the requirements of this policy within 30 days of being notified of noncompliance.
5. To supply all residential and non-residential Owners with a list of Authority pre-qualified, certified backflow prevention testers, upon request.
6. To develop and implement a control program for the elimination of existing cross-connections or effective containment of sources of contamination, and prevention of future cross-connections.

3.12.C OWNER/DEVELOPER OF RESIDENTIAL PROPERTY:

1. To prevent, eliminate or control all cross-connections on his/her premises or project site.
2. To allow access to the property by the Authority, for the purpose of installing backflow prevention devices on the domestic service line(s).
3. To reimburse the Authority accordingly for the cost of all equipment, materials and labor related to this installation.
4. To install *at his/her expense*, any and all backflow prevention assemblies for residential fire protection systems, within an Authority specified time period of not less than 30 days which is required under this policy, upon being notified in writing by the Authority.
5. To repair or replace any Owner/Developer installed backflow prevention assembly required under this policy, which is non-functional as determined by Authority-approved test procedures, within 30 days of the failed test date.
6. To test, maintain and replace backflow prevention devices required by this policy, if so required by the Authority.
7. To submit to the Authority all test reports and maintenance records within 14 days following the testing, repair, or overhaul of backflow prevention assemblies required under this policy.
8. If the Owner/Developer converts a residential to a commercial use premises, the Owner/Developer

shall install an Authority required backflow prevention assembly as their own expense within 60 days of a change in use.

3.12.D. OWNER/DEVELOPER OF COMMERCIAL, INDUSTRIAL, INSTITUTIONAL
OTHER NON-RESIDENTIAL PROPERTY:

1. To eliminate or control all cross-connections on his/her premises or project site.
2. To have any backflow prevention assembly required under this policy tested within 30 days of the initial installation date at his/her expense, and to maintain records of all testing and repair of assemblies on the premises.
3. To install *at his/her expense* , any and all backflow prevention assemblies within an Authority specified time period of not less than 30 days which is required under this policy, upon being notified in writing by the Authority.
4. To repair or replace any backflow prevention assembly required under this policy, which is non-functional as determined by Authority-approved test procedures, within 30 days of the failed test date.
5. To obtain a certified backflow tester or equivalent acceptable to the Authority. If the tester is not on the provided list, the owner/developer shall provide the Authority with a copy of their chosen tester's certification.
6. To test, maintain and replace backflow prevention devices required by this policy, if so required by the Authority.
7. To submit to the Authority all test reports and maintenance records within 14 days following the testing, repair, or overhaul of backflow prevention assemblies required under this policy.
8. To provided for periodic testing of all DCVA, DCDA, RPZA and RPDA Backflow Prevention Devices, in accordance with AWWA, ASSE and Manufacturers Standards. All testing shall be performed on an annual basis, unless an alternate schedule is approved by the Authority. The original testing forms shall be signed by the approved tester and the facility Owner/Representative, and submitted to the Authority within 14 days of performance of the testing.

3.12.E. CERTIFIED TESTER:

1. To provide the Owner and Authority with a copy of their certification, if not on the Authority's approved list.
2. To utilize backflow prevention assembly testing equipment that is maintained in proper working order.
3. To use only Authority approved and manufacturer approved testing procedures when conducting tests on backflow prevention assemblies required by this policy.
4. To record, on forms provided by the Authority, the results of each test conducted on backflow prevention assemblies required by this policy. The original forms shall be signed by the Owner/Developer and forwarded to the Authority within fourteen (14) days of testing.
5. To submit a copy of the test report to the Owner/Developer of the backflow prevention assembly within seven (7) days of the testing.
6. To notify the Owner of any device that has failed at the time of testing.

3.12.F. EXISTING BACKFLOW PREVENTION SYSTEMS:

1. If degree of hazard increases due to a residential customer switching to a commercial customer, the Authority shall review the change and inform the Owner of the type of backflow prevention assembly to switch to, if necessary. Existing backflow prevention assemblies installed upstream of the meter setter, instead of downstream of the meter, may be allowed to continue in service by the Authority so long as the device is found to be operational through periodic testing and meets meter manufacturer

standards. If at any time, the Authority determines that the degree of hazard on any property is such that the existing backflow prevention assembly is no longer effective, appropriate or presents an unreasonable risk to public health, the Authority shall require the Owner to remedy the situation by replacement of the existing assembly with an appropriate assembly.

2. In such cases, the Authority may require the installation of additional ball valves gate valves upstream and downstream of the meter and backflow prevention assemblies, to provide isolation for maintenance purposes.

3.12.G. LOCATION AND INSTALLATION:

1. All backflow prevention assemblies must be installed in accordance with AWWA standards and in conformance with the manufacturer's recommendations.
2. All backflow prevention assemblies on domestic service lines shall be installed immediately downstream of the water meter, from the point where the service line enters a building, and before any connection to the service line unless otherwise approved by the Authority. All connections to the service line upstream of the assembly shall be permanently disconnected, or an Authority approved backflow prevention assembly (and meter, if applicable) shall be installed on the connection line.
3. All backflow prevention devices on private fire protection service lines shall be installed before any fire service branch connections or pumps.
4. Backflow prevention assemblies shall be located so as to permit easy access and provide an adequate and safe working environment for maintenance, inspection and testing.
5. The backflow prevention assembly must be protected from freezing, flooding and mechanical damage. RPZA and RPDA type assemblies shall be provided with an air gap at the point of connection to a drain.
6. The Owner of the backflow prevention assembly must be able to isolate the device during normal business hours to permit testing and maintenance to the device. If, due to service requirements, isolation is not possible, a by-pass line equipped with an Authority approved backflow prevention assembly must be installed.
7. The backflow prevention assembly must be installed in a horizontal alignment with the bottom of the backflow preventor between 12" to 30" above the floor and a minimum of 18" from any wall unless otherwise approved by the Authority prior to installation. The Authority may consider vertical alignments, provided such installation conforms with manufacturer installation specifications.

3.12.H. BACKFLOW PREVENTION ASSEMBLIES:

All backflow prevention assemblies proposed in accordance with this policy to protect the Authority's system and/or customers shall be approved by the Authority prior to installation and shall be in accordance with the applicable American Water Works Association (AWWA) and the American Society of Sanitary Engineering (ASSE) standards. Backflow prevention assemblies used on private fire protection service lines shall be listed by Underwriters Laboratories (UL) or Factory Mutual System (FM).

1. Double Check Valve Assemblies (DCVA) shall meet ANSI/AWWA C510 and ASSE Standard 1015. FM

and UL listed for fire systems. **

- This device consists of two spring-loaded check valves combined in series within the same body, with each of the checks operating independently of the other. One of the major advantages of using this type of device as compared to two single check valves, is that the DCVA allows for the device to be tested without being taken off line. DCVAs protect against backflow resulting from both backsiphonage and backpressure conditions. This device is normally used in low to medium non-health hazard applications.
2. Detector Double Check Detector Assemblies (DCDA) shall meet ANSI/AWWA C510 and ASSE Standard 1015. FM and UL listed for fire systems. **
 - This device is similar to the Double Check Valve Assemblies listed above, but also incorporates a bypass meter (with its own integral double check valve) to detect leaks and unauthorized usage. DCDA's protect against backflow resulting from both back siphonage and backpressure conditions. This device is normally used in low to medium non-health hazard applications. This type of device may be required on fire sprinkler system lines, at the discretion of the Authority. Note that health hazard conditions warrant the utilization of a RPZA or RPDA (see below).
 3. Reduced Pressure Zone Assemblies (RPZA) shall meet ANSI/AWWA C511 and ASSE Standard 1013. FM and UL listed for fire systems. **
 - RPZAs basically involve a double check valve assembly with an area of lower pressure between the check valves. This reduced pressure zone is usually designed to be a minimum of two pounds per square inch (psi) below system pressure and is maintained by an integral pressure relief valve. An approved air gap shall be provided at the relief valve discharge point to the drain. This type of mechanical device provides a maximum amount of protection. RPZAs are normally used where a potential health hazard exists due to backflow conditions.
 4. Reduced Pressure Zone-Detector Assemblies (RPDA) shall meet ANSI/AWWA C511 and ASSE Standard 1013. FM and UL listed for fire systems. **
 - RPZA with integral meter and bypass RPZA to detect leaks and unauthorized usage. This type of device may be required on fire sprinkler system lines, at the discretion of the Authority.
 5. Dual Check Valve shall meet ASSE 1024
 - Standard residential and small commercial domestic service backflow preventor for non-health hazard applications.

** FM/UL listed backflow prevention assemblies must include FM/UL-approved OS&Y gate valves.

3.12.I APPROVED DEVICES:

The following list of Authority approved devices is meant to establish a standard to be met for each particular application and hazard rating:

DOUBLE CHECK VALVE ASSEMBLIES (DCVA)

Watts Regulator Co., Series 007 and Series 719 or approved equivalent

DOUBLE CHECK DETECTOR ASSEMBLIES (DCDA)

Watts Regulator Co., Series 709 DCDA or approved equivalent

REDUCED PRESSURE ZONE ASSEMBLIES (RPZA)

Watts Regulator Co., Series 009, Series 909 and Series 919 or approved equivalent

REDUCED PRESSURE ZONE DETECTOR ASSEMBLIES (RPDA)

Watts Regulator Co., Series 909 RPDA and Series 994 RPDA or approved equivalent

REFERENCES:

Cross-Connection Control Manual, United States Environmental Protection Agency, Office of Water, February 2003

Water and Wastewater Security Product Guide: Backflow Prevention Devices, United States Environmental Protection Agency, March 8, 2005

Policy and Procedures Manual for Backflow Prevention/Cross-Connection Control, Lehigh County
 3.12.J. Brodhead Creek Regional Authority Pre-qualified Testers
 Updated List 11-28-2006

CONTRACTOR	ADDRESS	PHONE #
H.T. Lyons Contractors & Engineers	6475 Ruch Road Colony Drive Industrial Park Bethlehem, PA 18017	610-837-1821
Al-Dana Mechanical Contractors	104 Berger Road Matamoras, PA 18336	570-491-2371
Apex Fire Protection	20 Marshalls Creek Road East Stroudsburg, PA 18301	570-223-7787
Simplex Grinell	1195 Mid Valley Drive Olyphant, PA 18447	570-489-8358
Yanora Enterprises	3 Salem Drive Wilkes-Barre, PA 18702	570-237-0978
Brian LaBarre Roto-Tooter	PO Box 25 Stroudsburg, PA 18360	570-992-5979
Mike Hapersberger Kentrel Corporation	1014 Main Street Avoca, PA 18641	570-760-5842
Joseph Layden, Jr. Conbraco	Aston, PA	610-485-2828
John Miller	7439 S. Main Street	

CONTRACTOR	ADDRESS	PHONE #
DeSales University	Coopersburg, PA 18036	484-239-2430
Leon Clapper	5009 Neyhart Road Stroudsburg, PA 18360	570-629-2833

AMERICAN SOCIETY OF SANITARY ENGINEERING (A.S.S.E.): CROSS CONNECTION CONTROL/BACKFLOW TESTER CERTIFICATION. Required for all approved backflow equipment testers.

3.12.K. Testing Schedule for Backflow Prevention Devices:

1. High and medium Hazard Facilities shall be tested annually as notified by the Authority. Below is a partial listing of the types of facilities required to test annually:

Type of Facility
Sewage, industrial wastewater treatment plants and pumping stations, sewer flushers, etc.
Paper manufacturing or processing, dye plants, petroleum processing and storage facilities, printing plants, chemical manufacturing or processing, industrial fluid systems, steam generation, rubber processing, tanneries
Canneries, breweries, food processing, milk processing, ice manufacturing, meat packers, poultry processing, rendering companies, etc.
Hospitals, clinics, laboratories, veterinary hospitals, mortuaries, embalmers, shipyards, marinas, nuclear reactor facilities
Metal-plating, photo-processing, laundries, commercial car washes, commercial refrigeration systems, dry cleaning establishments caustic and acid solutions, etc.
Commercial greenhouses, spraying and irrigation systems using weedicides, herbicides, exterminators
Boiler systems, cooling towers or internal fire-fighting systems using conditioners, inhibitors, etc. Typically: Apartment buildings, cooling towers, warehouses

3.12.K.

2. Aesthetically Objectionable and low health hazard Facilities shall be tested once every three (3) years as notified by the Authority. Below is a partial listing of these types of facilities.

Type of Facility
Customer fire protection loops, fire storage tanks with no chemical additives, fire systems with external pumping connections supplied by an auxiliary source
High temperature potable water
Utilization of food grade dyes
Complex plumbing systems in commercial building Examples: Barber shops, beauty salons, supermarkets

3.12.K.

3. Single-family, multi-family and mix use facilities with fire sprinkler systems that are considered non-health hazard use facilities shall be tested once every seven (7) years as notified by the Authority.

3.12.L. ADDITIONAL DEFINITIONS TO ADD TO EXISTING REGULATIONS

Backflow: The reversal in direction of flows from the normal or intended direction of flow whereby water or other liquids, mixtures, or substances can enter into the Authority's system from any unapproved source.

Backflow Prevention Assembly: An assembly or other means installed on the customer's service line to prevent backflow.

Back Pressure: An increase in pressure created within a customer's plumbing system resulting in a greater pressure within the facility than that found at the service connection.

Back-siphonage: The backflow of water or any other substance into the potable water system due to a negative pressure existing either within a facility or the Authority's system.

Certified Tester: A trained person certified by ASSE, approved by the Authority to test backflow prevention assemblies required by the Authority.

Containment: A method of backflow prevention that requires a backflow prevention assembly on the customer's service line.

Contaminant: Any substance which, when present in water, tends to degrade the quality of the water so as to create an actual hazard to the public health through poisoning or the spread of

disease.

Cross-Connection: Any actual or potential connection between the Authority's system and a system containing a source or potential source of contamination or pollution.

Degree of Hazard: The evaluation of a customer's facilities to determine their potential risk to health, and the adverse effect upon the Authority's system in the event of backflow.

Double Check Valve Assembly (DCVA): An assembly composed of two single, independently operating, check valves with tightly closing, resilient-sealed shut-off valves at each end of the device and suitable connections for testing of the water tightness of each check valve.

Double Check Detector Assembly (DCDA): An assembly composed of two single, independently operating, check valves with tightly closing, resilient-sealed shut-off valves at each end of the device and suitable connections for testing of the water tightness of each check valve. It is also equipped with a bypass detector that allows the visual inspection of flow through the assembly. The DCDA is used primarily on fire line sprinkler systems when it is necessary to monitor for potential leakage or unauthorized use of water.

Meter Setting: The location of the meter and components, including shut-off valves and any meter by-pass.

Pollutant: Any substance that when present in water tends to degrade the quality of the water so as to impair the potability of the water, but not to a degree which will create an actual hazard to the public health.

Reduced Pressure Zone Assembly (RPZA): An assembly composed of two single, independently operating, check valves, together with an automatically operated, pressure differential relief valve, located between the two check valves. The relief valve shall open to the atmosphere when the pressure differential between the supply pressure and the pressure in the zone between the two check valves is less than 2 (two) pounds. An approved air gap shall be provided at the relief valve discharge point to any drains. The device shall have a tightly closing, resilient-sealed shutoff valve directly attached to each end and suitable connections for testing of the watertightness of each check valve and the operation of the pressure differential relief valve.

Reduced Pressure Zone-Detector Assemblies (RPDA): An assembly composed of a reduced pressure zone backflow assembly equipped with OS&Y gate valves, and a bypass arrangement containing a small reduced pressure zone backflow assembly and water meter. The device is mainly used to protect the potable water supply from fire sprinkler systems that contain chemical additives or can be connected to an auxiliary non-potable water source, when it is necessary to monitor for potential leakage or unauthorized use of water. The device shall be installed above finished grade.

Resolution 2005-13

RESOLUTION ESTABLISHING RATES AND CHARGES IMPOSED ON ALL CUSTOMERS BY THE
BRODHEAD CREEK REGIONAL AUTHORITY

RESOLVED that the rates and charges imposed on all customers of the Brodhead Creek Regional Authority are fixed in the amount set forth in Exhibits A and B attached hereto and made part hereof and payable in accordance with this Authority’s Rules and Regulations effective January 1, 2006..

RESOLVED that the definition for ebu (equivalent billing unit) shall be established in Section 1 of the Authority’s Rules and Regulations and shall apply to all customers effective January 1, 2006. The ebu has been set at 48,000 gallons per year for the purpose of determining the “basic fee” charges for quarterly and monthly billing rates.

RESOLVED that the Definition of Terms, Section 1 of the Authority’s Rules and Regulations are also amended and are attached to this resolution. All Amendments here in are effective January 1, 2006.

ADOPTED this 4th day of December, 2005, at a regularly scheduled meeting of the Brodhead Creek Regional Authority.

Secretary

Chairman

Exhibit A

(Effective January 1, 2006)

BRODHEAD CREEK REGIONAL AUTHORITY

410 STOKES AVENUE

EAST STROUDSBURG, PA. 18301

Phone: 570-421-3232

Fax: 570-421-2322

I. Schedule of Rates for Water Service

Basic Rate:

Quarterly: \$43.95/ebu

Monthly: \$14.65/ebu

Consumption Charge:

\$.15 per 100 gallons

II. Cost to connect to or increase existing water usage in the Brodhead Creek Regional Authority System:

Tapping Fee: \$1,550.00/EDU - See definitions

Connection Fees:

METER SIZE STANDARD	CONNECTION FEES 7/1/05
¾ INCH	\$1,364.55
1 INCH	\$1,535.32
1 ½ INCH	\$2,470.05
2 INCH	\$2,834.25

METER SIZE RADIO READ	CONNECTION FEES 7/1/05
¾ INCH	\$1,462.15
1 INCH	\$1,635/32
1 ½ INCH	\$2,573.05
2 INCH	\$2,924.85

METER SIZE STANDARD HIGH PRESSURE AREA	CONNECTION FEES 7/1/05
¾ INCH	\$1,688.61
1 INCH	\$1,951.40
1 ½ INCH	\$4,071.21
2 INCH	\$4,611.46

METER SIZE RADIO READ HIGH PRESSURE AREA	CONNECTION FEES 7/1/05
¾ INCH	\$1,786.21
1 INCH	\$2,051.04
1 ½ INCH	\$4,174.71
2 INCH	\$4,502.06

Connection fees include meter, meter installation, meter pit, check valve, pressure reducing valves (high-pressure areas) and the installation of the service line (from the main to the curb). Also includes the corporation tap, service line, curb stop and box and street opening permit costs and street opening repair costs and labor/equipment costs.

Note:

6. Larger service line connections (greater then 2-inch) provided by the Brodhead Creek Regional Authority are determined by actual installation costs.
7. Connection Fees do not include the Tapping fee cost of \$1,550/EDU.
8. The Authority has the sole right to determine which type and size of connection and meter/meter pit is utilized for service as reflected in the table above.

Fire Service Rates:

Public

For each Fire Hydrant \$1.00/Year

Private

For Each Fire Hydrant \$150.00/year

Sprinkler or Fire Service Systems

(\$100/inch diameter sprinkler pipe.)

4" Connection	\$400.00/year
6" Connection	\$600.00/year
8" Connection	\$800.00/year
10" Connection	\$1,000.00/year

Exhibit B

SECTION 1 - DEFINITION OF TERMS

The following words and terms, as used herein, shall have the meanings respectively ascribed to them by

this Section, unless the context clearly indicates a different meaning:

Abutting - Mandatory connections are required for any property located within 200 feet of a water line that requires water service.

Applicant - shall mean the property owner or his agent applying for permission to connect to the Water System *and the party ultimately responsible for the payment of water service.* The word "owner" shall mean any person, firm, corporation or association in whose name any property is recorded in the office of the Recorder of Deeds.

Authority - shall mean the Brodhead Creek Regional Authority.

Basic Rate - Single family homes are charged at a basic rate of one (1) ebu. Commercial, industrial, multi-residential, mixed use (commercial/residential), institutional and public (non-residential) users are charged an ebu rate based on their previous **year's** average usage. New non-residential customers will be assessed ebu charges based on the Authority's estimate or DEP Planning Module submission, until such time as a **one (1)** year history is established for that user. ebu rates are recalculated on a yearly basis.

All non-residential, commercial, industrial, institution, public and Multi-Residential or mixed usage's (commercial/residential) supplied with water through one connection shall be charged by determining their ebu rates calculated to the nearest tenth of an ebu.

In the event that a non-residential, commercial, industrial, institution, public and multi-residential or mixed usage's (commercial/residential) user invests in new equipment or processes (or changes operation) which results in reduction of water usage by more than ten (10%) percent, such user may request a recalculation of its Basic Rate (ebu charges) based upon a six (6) month average of water use. Any reduction in ebu's will result in a reduction of the Basic Rate charged to a user who will then forfeit such allocation. However, because each ebu allocated to a user grants capacity in the Authority's water system, a subsequent increase of ten (10%) per cent in water use in excess of the ebu's then allocated shall require such user to purchase additional EDU (tapping fees) at the then current rate. Likewise, an adjustment in the Basic Rate for water usage will also be made by the Authority. Recalculation of the Basic Rate due to increased use shall be based upon a six (6) month average rather than a one (1) year average of water use.

Connection Fee - Fee allowed per Act 57 of 2003 for the cost of the water service laterals, water meter, meter pit, labor and other costs associated with the installation of a service lateral from the water main to the property line. **Current costs are noted in Exhibit A - of fees for "Connection Fees".**

Cost would be higher if the service lateral is longer than normal; superintendent would determine this. Larger connections are charged actual cost of installations.

Customer - shall include a person, partnership, political subdivision, association or corporation, and shall mean to anyone whom water service is supplied by the Authority, whether as owner or tenant.

e.b.u. – Equivalent Billing Unit is equal to 12,000 gallons/quarter or 48,000 gallons/year and is used for determining the "Basic Rate".

E.D.U. - Equivalent Dwelling Unit is the water usage equal to 64,780 gallons per year or 177.5 gallons per day, as measured by the point of use service meter or an Engineer's calculation. The E.D.U. is used to determine the cost of "Tapping Fees" for new customers.

Mains- shall mean the distribution pipelines which are located in streets, highways, public ways or private rights-of-way, and which are used to serve the general public.

Main Extensions - shall mean extensions of distribution pipes beyond existing facilities and exclusive of service connections.

Meter- *shall mean a device approved for measuring the quantity of water consumed by a customer which consumption is the basis for determining the charge for water service.*

mg/l or ppm - shall mean milligrams per liter (or parts per million) in water analysis.

Owner - See Applicant

Person - shall mean any natural person, association, partnership, firm or Corporation.

Premises - as used herein, shall be the property or area including the improvements thereon, to which water service is or will be furnished, and as used herein shall be taken to designate:

- a. A building under one roof, owned or leased by one customer and occupied as one residence or one place of business, or
- b. A group or combination of buildings owned by one customer, in one common enclosure, occupied by one family, or one organization, corporation or firm, as a residence, or place of business, or for manufacturing or industrial purposes, or as a hotel, hospital, church, parochial school, or similar institution, except as otherwise noted herein, or
- c. The one side of a double house having a solid vertical partition wall, occupied by one family or one business, even if there is only one common water service, or
- d. Each apartment, office or suite of offices, and/or place of business located in a building or group of buildings irrespective of the number of bathrooms situated in such building or group of buildings and even though such buildings in a group are inter-connected by a tunnel, or passageway, covered area-way, or patio or by some similar means or structure, or
- e. A public building, devoted entirely to public use, such as community building, fire house, schools, or
- f. A single lot, park or playground, or
- g. Each house in a row of houses, or
- h. Each individual and separate place of business/and or occupancy located in one building or group of buildings commonly designated as shopping centers, super market areas, and by such other terms, or

Each Premise shall be served through a separate service line and through a separate meter, except where physical conditions prevent the installation of separate service facilities and meters, as determined by the Authority.

Private Fire Protection Service - Providing of water to premises exclusively for fire protection.

Public Fire Protection Service - Furnishing of service through public fire hydrants.

Service Line - shall mean the pipe leading from the water main to curb stop of the premises served or to be served by water service.

Service Pipe - shall mean the pipe leading from the curb stop to the premises of a customer.

"Shall" – mandatory.

Sprinkler pipe – shall mean the pipe connection at the Authority's water mains for the purpose of supplying fire protection to a customer's facility.

Street - shall mean any street, alley or lane.

Tapping Fee - Fee allowed per Act 57 of 2003 which is based on a treatment plant capacity charge, distribution system charge and special purpose charge. Currently \$1,550 for every (EDU) per year of capacity an applicant or customer of the Brodhead Creek Regional Authority purchases or uses.

Temporary Service - a service for circuses, bazaars, fairs, construction work, irrigation of vacant property, trailers or trailer camps and similar uses that because of their nature will not be used steadily or permanently.

Tenant - shall be anyone occupying premises other than an Owner which premises are furnished water service.

Types of Service: -

- a. Commercial - Premises where the customer is engaged in trade and/or commerce.
- b. Industrial - Premises for use in manufacturing, processing and distribution activities.
- c. Municipal or Public - A municipal subdivision of the Commonwealth of Pennsylvania or agency thereof or other similar public bodies and shall also include school.
- d. Residential - Water service for residential households for customary purposes and for sprinkling lawns, gardens (not commercial type) and shrubbery, swimming pools, and other similar purpose.

Watercourse - shall mean a channel in which a flow of water occurs, either continuously or intermittently.

Waterworks - shall mean and include the plant fixtures, mains, hydrants, reservoirs, rights-of-way and all other properties and facilities now or hereafter operated and maintained by the Authority in order to collect, treat and distribute water for municipal purposes and for the use of the inhabitants thereof, and shall also include those officers and employees of the Authority collectively engaged in the management, operation and maintenance thereof.

In these Rules and Regulations, the singular shall include the plural and the masculine shall include the feminine and the neuter.