Please Welcome our New Manager

The Brodhead Creek Regional Authority (BCRA) Board of Directors is pleased to announce the hiring of David S. Horton as the new Manager of the BCRA. Mr. Horton began his employment with the Authority on April 3, 2017. As part of the manager transition plan Mr. Horton will work with the current manager, Kenneth R. Brown, until Mr. Brown’s final day of work on June 30, 2017. This 3-month overlap will insure a smooth transition as the managerial leadership of the Authority passes from Mr. Brown who has served the BCRA for the past 22 years begins his retirement.

Mr. Horton is well known in the Monroe County area having worked as a consulting engineer for local municipalities when he was employed with Boucher & James, Inc. and in his current position with Pennoni as its Municipal Division Manager in Bethlehem, PA. He has managed many large water and wastewater projects including the waste water treatment plant project for the BCRA, the Kalahari Water Park & Resort water system project and several East Stroudsburg University projects. He is well versed in the water and wastewater industry.

Mr. Horton is a graduate of the University of Delaware with a degree in civil engineering. He is a licensed professional engineer in the State of Pennsylvania with over 25 years of experience.

Dave currently resides in Salford Township, Montgomery County with his wife of 24 years Krista and their three (3) sons. He is an elder at his church in East Greenville and has volunteered as a baseball coach for 13 years for Harleysville Baseball.

As the BCRA begins this transition period it wants you to welcome Dave Horton to the area and the BCRA operation.

Lastly, the BCRA Board, Staff and co-workers want to thank Mr. Brown for his leadership and guidance of the BCRA over these last 22 years and to wish him the best as he begins a new phase of life with new possibilities.

American drinking water supplies are among the safest in the world. The disinfection of water has played a critical role in improving drinking water quality in the United States. In 1908, Jersey City, New Jersey was the first city in the United States to begin routine disinfection of community drinking water. (https://www.cdc.gov/healthywater/drinking/history.html)
As the Brodhead Creek Regional Authority plans for the future and considers its needs in the face of the upcoming retirements of its employees there is one situation that stands out as something unique.

For our customers that have lived here most of their life you may remember that the secretary for the water department was Edna Crane. Edna worked for the Authority for 28 years and retired in January 1991. During those years Edna saw many changes to the Authority including the installation of water meters. Over time Edna became the Office Manager for what was then the Stroudsburg Municipal Authority.

When water meters were installed the Authority knew they would need additional temporary part time help to set up all the meter accounts. Edna was the only office employee at the time. The Authority asked Mary Beth Crane, Edna’s daughter if she would help with the process. Mary Beth was attending college at East Stroudsburg University and in between classes she would come to the water department and set up the billing routes and account information. In those days, meter “books” were used and the servicemen would go out to read each meter and write the reading down.

After several months, the routes were set up and Mary Beth continued on with college. Mary Beth graduated from ESU with a degree in Sociology/Psychology and went on to work in social services as a Project Director.

Prior to Edna’s retirement, Mary Beth was married (now Mary Beth Brush) and had left social work to care for her son with special needs. She was starting to look for employment in a different area and recalled how much she enjoyed working for the Authority and applied for the position of billing clerk and was hired in January of 1991.

In June of 2018 Mary Beth will be retiring from her current position with the Brodhead Creek Regional Authority as Office Manager/Human Resource Manager. Between Edna and Mary Beth, they will have worked a total of 55 years for the Authority. Edna loves to recall her time working for the Authority with Mary Beth and discusses the changes that have occurred over the years. Mary Beth explains that her mother is always amazed at the growth and the technology. Especially the use of computers for billing and tracking work orders, to radio read meters. Billing has come a long way from the days of heavy ledger books, calculating bills by hand and manual typing.

Mother and daughter will both agree they have loved working for the Authority. Likewise their co-workers at the Brodhead Creek Regional Authority have always felt blessed to work with such dedicated and professional ladies.

The Authority’s water system was first organized in 1876, as the Stroudsburg Water Company. In 1955 the Borough of Stroudsburg purchased the water company and created the Stroudsburg Municipal Authority (SMA), in 2005 the SMA became the Brodhead Creek Regional Authority, to better express its regional nature and historic ties to the Brodhead Creek.
Another Job Well Done!

From November 29 to December 1, 2016 the Pennsylvania Department of Environmental Protection (PA DEP) visited our Water Treatment Plant to perform a Filter Plant Performance Evaluation (FPPE). A FPPE is a way for PA DEP to check the effectiveness of the Water Treatment Plant and to ensure it is correctly monitoring water quality. After completion of the evaluation the PA DEP determined the filter plant was operating at a “Commendable” level. The rankings go in order from “Needs improvement”, “Satisfactory” and “Commendable”; these evaluations are typically done every three years.

During the FPPE the PA DEP staff perform a thorough on-site survey of the filter plant operations, equipment and water quality conditions. They also sample the facilities raw and filtered water for microscopic evaluation. After the evaluation is completed the PA DEP staff makes recommendations on ways to improve the performance of the plant. Pennsylvania is one of the few states that conducts the filter plant evaluations.

Good job to our Water Treatment Plant operators for getting this rating!

The first municipal drinking water treatment plant was built in 1804 in Scotland and designed by Robert Thom. The water treatment was based on slow sand filtration and horse and cart distributed the water. (http://www.lenntech.com/history-water-treatment.htm#ixzz4dHkeoymS)

Coming Soon! A New Billing System!

We are pleased to announce that we will be rolling out a new billing system the later part of this summer! BCRA has partnered with Muni-Link© to bring a more customer focused approach to billing and management of customer accounts that will be easily accessible through the internet. Muni-Link© is an industry leader with over 35 years of developing software solutions for public and private sector utility organizations.

New features that will be available to our customers include:

- eBilling – online management of your account, paperless statements, access to billing, usage and payment history.
- Auto Pay – no more worries about missing a payment and late fees! Have your payment automatically deducted from your checking or savings account, credit or debit card or other verified payment method, plus the ability to manage multiple payment types to provide the flexibility you need when paying your utility bill.
- Enhanced Notification System – real time updates and alerts in the event of a service interruption, planned work and boil advisories.
- Cloud based platform – allowing instant access to your account from any device any time of the day or night with real time data and system updates that are performed during off hours so as not to impact our customers during normal business hours.
- Enhanced Service Call System – our field technicians will have instant access to service call tickets, work orders and GIS data in the field to provide better overall customer service and resolution to service issues.

Check our website www.bcrawater.com for more information and updates in the coming months on the new billing system!
Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alquien que lo entienda. This report contains important information about your drinking water. Have someone translate this information for you or speak with someone who understands the information in this report.

**Water System Information** – This report shows water quality data for 2016. If you have any questions about this report or concerning your water service, please contact Mr. Kenneth Brown, BCRA Manager at (570) 421-3232 or Mr. Dean Johnson, Lead Operator at (570) 421-0998. We want you to be informed about your drinking water. If you want to learn more please attend any of our regular scheduled meetings. Meetings are held on the 1st and 3rd Wednesday of each month at 12:00 pm (noon) at our office located at 410 Mill Creek Road. Customers may visit our website [www.BCRAwater.com](http://www.BCRAwater.com) for additional information.

**Sources of Water** – The Brodhead Creek Regional Authority (BCRA) draws surface water from the Brodhead Creek and owns two on site groundwater wells (well #1 and well #2). A third groundwater well has been constructed along the McMichael Creek and is currently undergoing testing and modifications. BCRA’s water filtration plant is located at 410 Mill Creek Road. State licensed operators utilize a state-of-the-art treatment facility to ensure the quality of water, through filtration and other sophisticated treatment processes before it is distributed to our customers. The distribution system covers over 100 miles of water lines serving the Borough of Stroudsburg, Stroud Township, Pocono Township, Hamilton Township, Smithfield Township, and Tobyhanna Township. Over the past decade BCRA has invested approximately 6 million dollars in upgrading its treatment facility, developing sources, protecting it underground aquifers and establishing a wellhead protection program.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

**Monitoring Your Water** – We routinely monitor for contaminants in your drinking water according to federal and state laws. The table on the backside of this page shows the results of our monitoring for the period of 1/1/2016 to 12/31/2016. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The dates have been noted on the sampling results table.

**Required Lead Notice by EPA** – If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Brodhead Creek Regional Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential to lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure are available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

**Information regarding Nitrates** – Nitrates in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

**2016 Violations** - TTHMs and HAA5 are required to be taken quarterly. The samples were taken on November 10th of the 4th quarter but were required to be taken between November 11th and November 16th 2016.
## 2016 Consumer Confidence Report (page 2 of 2)

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Highest Level Detected</th>
<th>Range if applicable</th>
<th>Units</th>
<th>Sample Date</th>
<th>Violation Y/N</th>
<th>Sources of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium (IOC) DEP 1010</td>
<td>2</td>
<td>2</td>
<td>0.019</td>
<td>N/A</td>
<td>ppm</td>
<td>12/16/15, 11/16/16</td>
<td>No</td>
<td>Discharge of drilling wastes; discharges from metal refineries; erosion of natural deposits.</td>
</tr>
<tr>
<td>Chlorine DEP 0999</td>
<td>4</td>
<td>4</td>
<td>1.41</td>
<td>0.17-1.41</td>
<td>ppm</td>
<td>1/1/16 to 12/31/16</td>
<td>No</td>
<td>Water additive used to control microbes.</td>
</tr>
<tr>
<td>Trihalomethanes DEP 2950</td>
<td>.080</td>
<td>n/a</td>
<td>0.0242</td>
<td>0.029 – 0.0242</td>
<td>ppm</td>
<td>2/11/16, 5/11/16, 8/11/16, 11/10/16</td>
<td>Yes</td>
<td>By-product of drinking water chlorination.</td>
</tr>
<tr>
<td>Haloacetic Acids DEP 2456</td>
<td>.060</td>
<td>n/a</td>
<td>0.017</td>
<td>0 - 0.017</td>
<td>ppm</td>
<td>2/11/16, 5/11/16, 8/11/16, 11/10/16</td>
<td>Yes</td>
<td>By-product of drinking water disinfection.</td>
</tr>
</tbody>
</table>

### Lead & Copper

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Action Level</th>
<th>MCLG</th>
<th>90th percentile value</th>
<th>Units</th>
<th>No. of sites above action level</th>
<th>Sample Date</th>
<th>Violation Y/N</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>15</td>
<td>0</td>
<td>3.35</td>
<td>ppb</td>
<td>3</td>
<td>6/1/16 - 9/30/16</td>
<td>No</td>
<td>Corrosion of household plumbing.</td>
</tr>
<tr>
<td>Copper</td>
<td>1.3</td>
<td>1.3</td>
<td>0.309</td>
<td>ppm</td>
<td>1</td>
<td>6/1/16 - 9/30/16</td>
<td>No</td>
<td>Corrosion of household plumbing.</td>
</tr>
</tbody>
</table>

### Microbial Contaminants

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Highest % or % of positive samples</th>
<th>Violation Y/N</th>
<th>Possible Sources of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Coliform</td>
<td>N/A</td>
<td>0</td>
<td>3</td>
<td>No</td>
<td>Naturally present in the environment.</td>
</tr>
<tr>
<td>Fecal Coliform</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>No</td>
<td>Human and animal fecal waste.</td>
</tr>
</tbody>
</table>

### Contaminant

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Level Detected and Date</th>
<th>Violation Y/N</th>
<th>Possible source(s) of contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbidity</td>
<td>TT= 1 NTU for single measurement. TT= at least 95% of monthly samples ≤ 0.3 NTU</td>
<td>0</td>
<td>100% for 2016</td>
<td>No</td>
<td>Soil Runoff</td>
</tr>
</tbody>
</table>

### Contaminant

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Required removal %</th>
<th>Range of Removal Achieved %</th>
<th>No. of Quarters out of compliance</th>
<th>Violation Y/N</th>
<th>Possible source(s) of contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOC (Total Organic Carbon) DEP 2920</td>
<td>35%</td>
<td>34.5%-69%</td>
<td>1</td>
<td>No</td>
<td>Naturally present in the environment.</td>
</tr>
</tbody>
</table>
BCRA Board of Directors

**John H. Parker, Jr.,** Chairman (representing Hamilton Township) – Mr. Parker resides in Saylorsburg with his wife Mary Louise who is an attorney. He also serves on the boards of Monroe County Industrial Development Authority, Pocono Mountain Industrial Park and Hamilton Township Zoning and Hearing Board.

**Charles A Garris**, Treasurer (representing Smithfield Township) – Mr. Garris is a local businessman and a former employee of the Patterson-Kelley Co. Mr. Garris is a Monroe County Commissioner and has served as a councilman and as Mayor of the Borough of East Stroudsburg. He was also a member and past Chairman of the Board of Directors of the Pocono Medical Center.

**Wm. Taylor Wenck**, Secretary (representing Stroud Township) – Mr. Wenck is a certified financial planner who resides in Stroud Township with his wife Maureen. He is a Financial Professional Emeritus with Prudential/Pruco Securities and he maintains an office in Stroudsburg. He also serves as Chairman of the Stroud Township Planning Commission

**Eric Scelza**, Board Member (representing the Borough of Stroudsburg) – Mr. Scelza is a computer and business consultant for mid to large companies. He resides in Stroudsburg with his wife, Jennifer and his two sons, Jamison and Reagan. Mr. Scelza served 10 years on Stroudsburg Borough Council, including serving on the Sewer, Park and Recreation, Finance, and Policies boards.

**Thomas Wise**, Vice Chairman (representing Pocono Township) – Mr. Wise is a mechanical engineer and a former executive of SPX Heat Transfer, with thirty-three years of manufacturing experience serving the power market worldwide. He resides in Scotrun with his wife Kathleen and son Nathan. Currently, he is President of Pocono Sales Associates, an independent sales agency representing manufacturers in the Mid-Atlantic region.