



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788
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Web <http://www.srbc.net>

Groundwater Withdrawal Application

Source Name: Milroy Well

1. Project Sponsor:

Company Name: Municipal Authority of the Borough of Lewistown
Address: 70 Chestnut St.

City: Lewistown **State:** PA **Zip:** 17044
Contact Person: Craig Bubb **Title:** Executive Director
Telephone: 717-248-0165 **Fax:**
Mobile: **E-mail:** cabubb@hotmail.com

Facility Location:

State: PA
County: Mifflin
Municipality: Armagh Township
Subbasin: Juniata
Date operations will begin: 01/19/1970
Date project sponsor began operation: 01/19/1970

4. Project Water Requirements:

| Water Use: | Past | Existing | Projected |
|------------------|------------|-------------|------------|
| Average: | 0 (mgd) | 0.108 (mgd) | 0.77 (mgd) |
| Maximum: | 0 (mgd) | 0.393 (mgd) | 0.77 (mgd) |
| System Capacity: | 0.77 (mgd) | 0.77 (mgd) | 0.77 (mgd) |

5. Requested Use or Withdrawal:

Estimated Hours of Operation: 24
Maximum Instantaneous Withdrawal Rate: (gpm) 535
Peak 24-Hour Day: (mgd) 0.77
Maximum 30 Day Average: (mgd) 0.77

6. Withdrawal Location:

Well Latitude: 40.708739
Well Longitude: -77.593086

9. Existing Sources of Water (if applicable):

Wells:

Well ID: McCoy Well #1 **Date Drilled:** 04/25/97
Latitude: **Longitude:**
Use: Supply Potable Water to The
Municipal Authority of the
Borough of Lewistown

Metered: True **SRBC Docket Number:** N/A
Existing Pump Capacity: 550
Current # of days used during calendar year: 24
Current Average Daily Withdrawal: 0.133

Wells:

Well ID: McCoy Well #2 **Date Drilled:** 09/02/1997
Latitude: **Longitude:**
Use: Supply Potable water to The
 Municipal Authority of the
 Borough of Lewistown

Metered: True **SRBC Docket Number:** N/A
Existing Pump Capacity: 800
Current # of days used during calendar year: 22
Current Average Daily Withdrawal: 0.152

Stream intakes, reservoirs, and spring interconnections:

| | | | | | | | |
|--------------------------------|--|--|---------|----------------------------------|------|------------------------------|----------------------|
| Name: | Laurel Creek Reservoir | Latitude: | 2661174 | Longitude: | 12.8 | SRBC Docket: 19910107 | Metered: True |
| Existing Pump Capacity: | 3.5 | Current Average Daily Withdrawal: | | Continuous Drainage Area: | | | |
| Description: | 3.5 mgd for gravity fed maximum average day from Laurel Creek Reservoir located in Armagh Township, Mifflin County, PA | | | | | | |

12. Aquifer Test Information:

Application Includes: Aquifer Test Plan or Waiver Request

14. Source Information:

Well Spring Other

Identification No.: Milroy Well

State ID or Permit No.: 4496501

Project Facility Information

SRBC Permit Application Page 1 Section 2

Upload any documents that describe the type and purpose of the project facility. (i.e., products produced and/or services provided).

The Municipal Authority of the Borough of Lewistown utilizes the Milroy Well as a public water supply source to supply potable water to residents and business in the Mifflin County Region. The Municipal Authority of the Borough of Lewistown services approximately 25,196 customers located in Armagh Township, Brown Township, Burnham Borough, Granville Township, Lewistown Borough, Juniata Terrace Borough, and Union Township. The Milroy Well water is pumped on an as needed basis to the Laurel Creek Water Treatment Plant to be treated with the Laurel Creek Reservoir water source, McCoy Well #1, and McCoy Well #2 source. Once water is treated it is distributed through the Authority's distribution system.

The proposed withdrawal rate for Milroy Well #1 is 0.770 mgd for a 30-day average. The need for the Authority to have a 30-day average equal to the well's capacity is due to the nature of the Authority's facilities and future demand expectations.

The projected system demand is 4.8 mgd through design year 2040 as reported in the Water Allocation Permit renewal application currently under review by the DEP. Calendar year 2014 average day demand is 2.66 mgd. Under optimum operation the system draws 3.5 mgd from its dam reservoir surface source and then makes rotational the use of the three wells to meet supplemental peaking requirements.

The water supply system has been designed to have redundant sources. The use of the existing well sources is not anticipated to be at DEP maximum permitted capacity levels at all times. However, each source of supply will need to, from time to time, be operated at its maximum capacity level. For example, the Laurel Creek Dam is aging and will need to undergo significant rehabilitation in the near future putting it out of service for several months at a time. During these times, the Authority will rely on its well sources for all of its water supply which will be (per 2014 average use) approximately 2.66 mgd. Currently the three existing wells are permitted by the DEP at a capacity of 2.7144 mgd.

In addition, various system conditions could arise that would require the use of one or more of the wells at permitted capacity. These system conditions would be sporadic and generally short term but none the less they create the possibility of needed high output from one or more of the wells.

So while long term use of the wells is not expected to be at capacity levels, there will be generally short period times when operating at capacity levels will be necessary. In addition, during dam renovations use of the wells at capacity levels may be for several continuous months.