



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Mount Pleasant Well #6

SRBC Pending No.: 2023-113

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

1.1 Project Sponsor

Company Name: Hazleton Division
Mailing Address Line 1: 400 East Arthru Gardner Parkway
Mailing Address Line 2:
City: Hazleton
State: PA
ZIP Code: 18201

Contact Person:

First Name: Rocco
Last Name: Mussoline
Title: Distribution Supervisor
Telephone: 570-454-2401
Fax:
Mobile: 570-956-0512
E-mail: roccom@hcawater.org

1.3 Existing and Projected Facility Water Use

The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:
2037

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	6.6	13.73
Maximum Daily Water Demand :	7.3	13.73
System Capacity :	8.6	20

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 8
Maximum Instantaneous Withdrawal Rate (gpm): 325
Maximum 24-Hour Day (mgd): 0.468
Maximum 30-Day Average (mgd): 0.468

1.3.3 Project Facility Description

HCA is a large public Water Supply System, which produces approximately 6.6 million gallons per day (mgd) of potable water, with a peak demand of 7.3 mgd. Projected needs in 2021 are 13.7 mgd. This ground water withdrawal application is specifically for Mount Pleasant Well #2 (MP #2), of the Hazleton City Authority (HCA) system. MP #6 is in the Mount Pleasant Well Field in Hazle Township, Luzerne County, PA. The Mount Pleasant Well Field includes Wells 2, 5, and 6. There is potential to bring Well 11 back online. It is part of the main Hazleton system of the HCA. The raw water from the Mount Pleasant Well Field is conveyed to the main treatment facility and distributed throughout the system from a location following filtration/treatment.

Mount Pleasant #2 serves the main HCA System along with the following sources:

- Barnes Run-Wolfes Run Pumping Station/Humboldt Reservoir
- Barnes Run Well #3
- Buck Mountain Well #1
- Dreck Creek Pump Station
- Quakake Creek-Hudsondale Pump Station
- Lehigh River Pump Station (out-of-basin transfer)
- Mt. Pleasant Reservoir Pump Station
- Mt. Pleasant Well #2
- Mt. Pleasant Well #5

Raw Water Storage is provided by:

Location	Approximate Capacity
Barnes Run Reservoir	
Humboldt-Wolfs Run Reservoir	143,861,000 combined
Harleigh Reservoir 1	
Harleigh Reservoir 2	24,045,000 combined
Mt. Pleasant Reservoirs Upper	
Mt. Pleasant Reservoirs Lower	71,100,000 combined
Dreck Creek Reservoir Upper	456,930,000
Dreck Creek Reservoir Lower	32,000,000

Hudsondale Reservoir	8,750,000
Roan Reservoir	3,000,000

Total reservoir storage capacity is approximately 739,686,000 Gallons.

Finished Water Storage is provided by:

Location	Capacity
Drifton Tank	300,000
Lattimer Tank	526,000
Council Crest Tank	500,000
Highland Tank	1,250,000
McKinley Tank-1	1,000,000
McKinley Tank-2	2,051,500
Monges St Tank	1,381,000
Roan Tank	5,000,000

Total tank storage capacity is 12,000,000 gallons.

The return flow outfall is to the Greater Hazleton Joint Sewer Authority outfall at Black Creek, Hazle Township.