



SUSQUEHANNA RIVER BASIN COMMISSION

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Web <http://www.srbc.net>

Groundwater Withdrawal Application Summary

Source Name: Park Place Well 1

SRBC Pending No.: 2021-151

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 City Authority Water Department

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:

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:

2036

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.19	0.208
Maximum Daily Water Demand :	0.345	0.38
System Capacity :	0.331	0.364

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 1

Maximum Instantaneous Withdrawal Rate (gpm): 191

Maximum 24-Hour Day (mgd): 0.275

Maximum 30-Day Average (mgd): 0.275

2.1 Project Facility Description

This ground water withdrawal application is specifically for Park Place Well #1 (PP #1), of the Hazleton City Authority (HCA) system. PP #1 is part of the Delano-Park Place system of the HCA.

HCA is a large public Water Supply System, which produces approximately 5.7 million gallons per day (mgd) of potable water, with a peak demand of 7.3 mgd. The Delano-Park Place system is a smaller system servicing the local area, including the villages of Park-Place, Trenton, and Delano. Although it is owned and operated by HCA, it is not connected to the main Hazleton System.

Park Place Well #1 is a 500 foot deep well drilled in March 1992 and tested during the summer of 1992. It has water bearing zones noted at 206, 260, and 385 feet. It was reportedly tested at a rate of 195 to 198 gpm in 1992. It has a reported PADEP permitted withdrawal of 0.280 mgd. Historic withdrawal data indicates a maximum 30-day average withdrawal of 0.184 mgd (May 2011). Operational testing was completed in May 2021 at a rate of 191 gpm (0.275 mgd) for 72 hours.

Storage in the Park-Place Delano System is in one, 500,000 gallon, tank. Park Place #1 is the primary water source in this system. Park Place #2 provides some additional water to the system. PP #2 is operated at a rate approximately 20 percent of PP#1 and shorter run times generally comprising 10% or less of the system output. The return outflow from the Delano-Park Place system is primarily to residential on lot septic systems, resulting in approximately 85 to 90% return to ground water.

PP #1 is a currently operating well and has been in use since its construction in 1992. This groundwater withdrawal application is for a daily rate of 0.275 mgd, consistent with the PADEP permit. And an instantaneous withdrawal rate of up to 191 gpm, consistent with recent testing.