SUSQUEHANNA RIVER BASIN COMMISSION
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Groundwater Withdrawal Application Summary

Source Name: Reesers Well 2 **SRBC Pending No.:** 2024-127

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:	Veolia Water Pennsylvania, Inc.
Mailing Address Line 1:	6310 Allentown Boulevard
Mailing Address Line 2:	Suite 104
City:	Harrisburg
State:	PA
ZIP Code:	17112

Contact Person:

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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:
2040

Total Project Water Usage	**Existing Usage (mgd)**	**Projected Usage For Design Year (mgd):**
Maximum 30-day Average Water Demand :	0.456	0.712
Maximum Daily Water Demand :	0.574	0.838
System Capacity :	0.65	0.946

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5):	8
Maximum Instantaneous Withdrawal Rate (gpm):	100
Maximum 24-Hour Day (mgd):	0.144
Maximum 30-Day Average (mgd):	0.076

Please enter the address of the parcel where the Project Facility is located.

Reesers Well 2 is located in Newberry Township, York County, Pennsylvania. Reesers Well 2 has been used as a public water supply well since approximately 1995 and is owned and operated by Veolia Water Pennsylvania, Inc. (Veolia).

Reesers Well 2 is one of ten wells in the Newberry System, which is a community water supply serving portions of Newberry Township, York County (Figure 2.1). The majority of water usage from the Newberry Operation is for domestic use. Other uses also include industrial, institutional, and commercial properties. These usages are planned to continue for the 15-year duration of the requested docket approval. The Newberry System includes ten wells with three interconnected subsystems. Reesers Well 2 operates with Reesers Well 1 and Paddletown Well to make up the Ressers subsystem. The Newberry System was previously owned by United Water of Pennsylvania (1994 to late-2015) and by SUEZ Water Pennsylvania Inc. (late-2015 to March 2022).

Reesers Well 2 was initially permitted by the Susquehanna River Basin Commission (SRBC) in Docket No. 20100614, which approved withdrawal of up to 0.071 million gallons per day (mgd) on a 30-day average basis. Reesers Wells 1 and 2 also have a combined withdrawal limit of 0.076 mgd. The current docket for Reesers Well 1 and Reeser Well 2 will expire in June 2025. Veolia is requesting an increase of 5,000 gpd for Reesers Wells 1 and 2 individually to help support demands during periods of increased needs and for consistency with the previously approved combined withdrawal limit. Veolia requests to increase individual withdrawals from Reesers Well 1 from 0.071 mgd to 0.076 mgd a 30-day average basis and to continue to utilize the withdrawals of up to 0.076 mgd (equivalent to approximately 53 gpm) from Reeser Wells 1 and Reeser Well 2 on a combined basis. The requested maximum instantaneous withdrawal rate for Reesers Well 2, which is based on the Pennsylvania Department of Environmental Protection (PADEP) permit limit, is 100 gpm.

Reesers Well 2, drilled in 1994, is eight inches in diameter and 423 feet deep (28 feet above mean sea level, amsl). The bottom of the eight-inch steel casing is at 61 feet below ground surface (bgs). A shallow water bearing zone was cased-off at 19 feet bgs. The bottom of the well was drilled as a 6-inch diameter open rock hole from 61 feet bgs (390.3 feet amsl) to 423 feet bgs (28.3 feet amsl). The well penetrates sandstones of the Gettysburg Formation. The water bearing zones were encountered at depths of 80 feet bgs (371 feet amsl), 82 feet bgs (369 feet amsl), and 119 feet bgs (332 feet amsl). The total estimated blown yield was 100 gpm.

Reesers Wells 1 and 2 were required to obtain a docket from SRBC when Paddletown Well was added as a new source to the Newberry System in 2010. Prior to that, these wells were considered to be grandfathered sources by SRBC. The original SRBC groundwater withdrawal application included a request to waive SRBC's aquifer test requirements, which was accepted by SRBC. In 2010, Reesers Well 2 had been operated as a public water supply well for 15 years and currently has operated for approximately 30 years. The original SRBC groundwater withdrawal application indicated that a 72-hour constant rate aquifer test was conducted at Reesers Well 2 in June 1994. The tested pumping rate was 100 gpm. During the June 1994 testing at Reesers Well 2, water levels in Reesers Well 1 and two other proximal wells were also monitored. Testing results from aquifer testing of Veolia's Paddletown Well, located in a similar hydrogeologic setting, were also evaluated as part of the 2010 application. SRBC has indicated that, based on the results of previous

testing and other historical data, Reesers Wells 1 and 2 have met the 18 CFR §806.12 status requirements.

The current total system withdrawal limit for Veolia's Newberry System is 0.650 MGD on a 30-day average basis (Docket No. 20210908). Veolia's engineering projections for the next 15 years estimate an average withdrawal (maximum 30-day average) of 0.712 MGD. The increase in demand is attributed to residential population growth. Therefore, consistent with the groundwater application for Conley 2 submitted on January 11, 2024, Veolia is requesting to increase the 30-day average total system withdrawal limit to 0.712 MGD to satisfy the reasonable foreseeable need in 2040. This would be an increase of 0.062 MGD. The current 30-day maximum average SRBC docket limits for each of the ten existing Newberry System wells total 0.946 MGD. Therefore, the existing system capacity is expected to be sufficient to meet the projected demands.