SUSQUEHANNA RIVER BASIN COMMISSION
4423 North Front Street • Harrisburg, Pennsylvania 17110-1788
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Web http://www.srbc.net

Groundwater Withdrawal Application Summary

Source Name: Well 8 **SRBC Pending No.:** 2021-063

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:	Milton Hershey School
Mailing Address Line 1:	1201 Homestead Lane
Mailing Address Line 2:	P. O. Box 830
City:	Hershey
State:	PA
ZIP Code:	17033-0830

Contact Person:

First Name:	Mike
Last Name:	Koegler
Title:	Manager, Facility Services
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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:
2036

Total Project Water Usage	**Existing Usage (mgd)**	**Projected Usage For Design Year (mgd):**
Maximum 30-day Average Water Demand :	1.114	1.71
Maximum Daily Water Demand :	2.57	2.57
System Capacity :	2.57	2.57

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5):	8
Maximum Instantaneous Withdrawal Rate (gpm):	225
Maximum 24-Hour Day (mgd):	0.324
Maximum 30-Day Average (mgd):	0.103

2.2 Facility Location

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

Street Address:	PO Box 830
State:	PA
County:	Dauphin
Municipality:	Derry Township
Zip Code:	17033-0830
Subbasin:	Lower Susquehanna

2.1 PROJECT FACILITY DESCRIPTION

A. **Site/Facility Name:** Milton Hershey School

B. **Anticipated long-term owner and operator, if different:** Milton Hershey School

C. **Type of Facility:** Irrigation and geothermal heating/cooling water supply system with seven active wells. One of the wells, Well No. 2, predates the effective date of Commission Regulation 804.43 relating to groundwater withdrawal and Commission approval is not required.

D. **List of existing water sources:** Milton Hershey School Wells 1, 2, 3, 4, 6, 7, and 8.

E. **Description of existing/planned water use at the facility:** Well Nos. 1, 2, and 3 were drilled in 1966, 1968, and 1982 respectively to provide cooling and heating to buildings on campus. Wells 2 and 3 are primarily used for the same purpose. Well No 1 is also used to irrigate playing fields, lawns and ornamental gardens on a seasonal basis. These wells are located together in a cluster in the main area of the School. Well No. 4.'s drill data is unknown, Well No. 5 was drilled in 1996; these two wells were drilled to seasonally irrigate lawns and athletic fields at the School. Well No. 5 has not been used since 2010. Wells No. 6 and 7 were drilled in 1996 to irrigate greenhouse and field crops at the horticultural center on the school's campus. Well No. 8 was drilled in July 1998 to a total depth of 117 feet to support the recreational irrigation and geothermal heating and cooling.

   Table 1 summarizes the current and proposed capacities. The individual well source capacities are based on each well's demonstrated ability to meet these withdrawals based on operational data over the last 20 years and recent pump tests. The proposed withdrawal capacities are the same as the previous permitted capacities, with the exception of the removal of Well No. 5, as investigations demonstrated the aquifer is able to support current demand.

   The projected demand is expected to stay the same over the next 15 years with little increase in demand and water savings from proposed improvements to the water system.

TABLE 1 – Current and Proposed Capacities

	EXISTING			PROPOSED		
	SRBC current 30-day limit (GPM)	**SRBC current 30-day limit (MGD)**	**Inst. Max. (GPM)**	**30-day Avg (GPM)**	**30-day Avg (MGD)**	**Inst. Max. (GPM)**
Well No. 1	173.6	0.25	800	173.6	0.25	800
Well No. 2	N/A	N/A	N/A	N/A	N/A	N/A
Well No. 3	500.0	0.72	700	500.0	0.72	700
Well No. 4	100.0	0.144	100	100.0	0.144	100
Well No. 5	150.0	0.216	150	--	--	--
Well No. 6	238.2	0.343	800	238.2	0.343	800
Well No. 7	104.2	0.15	350	104.2	0.15	350
Well No. 8	71.5	0.103	225	71.5	0.103	225
Well No. 9	--	--	--	--	--	--
System (Groundwater Withdrawal)	1337.5	1.926		1187.5	1.71	
Total Maximum Daily CU (mgd)	1.125			1.125		

F. **Available/planned water storage capacity (million gallons):** 0.00 million gallons.

G. **Location of return flow outfall:** N/A