SUSQUEHANNA RIVER BASIN COMMISSION
4423 North Front Street • Harrisburg, Pennsylvania 17110-1788
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# Groundwater Withdrawal Application Summary

**Source Name:** Plant Make-Up Well **SRBC Pending No.:** 2024-101

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: | Graymont (PA), Inc. |
| Mailing Address Line 1: | 375 Graymont Road |
| Mailing Address Line 2: | |
| City: | Bellefonte |
| State: | PA |
| ZIP Code: | 16823 |

Contact Person:

| | |
|---|---|
| First Name: | Darrell |
| Last Name: | Sharp |
| Title: | Plant Manager |
| Telephone: | 814-357-4500 |
| Fax: | |
| Mobile: | |
| **E-mail:** | dsharp@graymont.com |

**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:
2039

| **Total Project Water Usage** | **Existing Usage (mgd)** | **Projected Usage For Design Year (mgd):** |
|---|---|---|
| Maximum 30-day Average Water Demand : | 0.24 | 0.36 |
| Maximum Daily Water Demand : | 0.593 | 0.72 |
| System Capacity : | 0.72 | 0.72 |

**1.4 Requested Withdrawal Amount:**

| | |
|---|---|
| Estimated Daily Hours of Operation per Day (Ex. = 5): | 6 |
| Maximum Instantaneous Withdrawal Rate (gpm): | 75 |
| Maximum 24-Hour Day (mgd): | 0.1 |
| Maximum 30-Day Average (mgd): | 0.05 |

**2.2 Facility Location**

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

| | |
|---|---|
| Street Address: | 375 Graymont Road |
| State: | PA |
| County: | Centre |
| Municipality: | Spring Township |
| Zip Code: | 16823 |
| Subbasin: | West Branch Susquehanna |

**Section 2.1 – Project Facility Description**
**Plant Make Up Well – Docket 20100307 Renewal**
**Graymont (PA) Inc.**
**Spring Township, Centre County, PA**

This application requests renewal of SRBC Docket 20100307 by Graymont (PA) Inc. (Graymont) to continue to utilize the Plant Make Up Well for a groundwater withdrawal of up to 0.050 million gallons per day (MGD). The well provides water to an on-site 250,000-gallon plant tank used to store water for the processing of limestone and production of industrial lime.

The Graymont facility is part of a complex of surface quarries and underground mines located in an area northeast of Pleasant Gap, which is collectively referred to as the Pleasant Gap Mine Complex. The facility consists of an underground limestone mine; two adjoining surface quarries, known as the Gentzel and Tressler Quarries; and associated mineral processing facilities for production of industrial lime (high calcium lime), hydrated lime, and stone aggregate. The Gentzel and Tressler Quarries are owned and permitted by Graymont, but operated by Glenn O. Hawbaker, Inc. (Hawbaker). Adjacent to the Graymont facilities (to the southwest) are two additional surface quarries (Brooks and White Rock) and associated mineral processing facilities owned by Hawbaker. Agreements between Graymont and Hawbaker have established a cooperative water-handling system and mine arrangements in the Pleasant Gap Mining Complex.

Water sources supplying water to the Graymont facility near Pleasant Gap include water pumped from the underground mine complex, as well as the Gentzel and Tressler Quarry sump(s), and two on-site groundwater supply wells referred to as the Wash Plant 11 well and the Plant Make Up Well. Walker Township Water Association (WTWA) supplies potable water from its public water supply distribution system to the facility. The WTWA system can also supply water for industrial use purposes, if needed. These withdrawals and water uses are approved under existing SRBC Docket No. 20191203. The Plant Make Up Well is generally used on an infrequent "make up" basis, augmenting flow to the 250,000-gallon plant tank triggered by an on-demand float system.

As indicated above, the Plant Make Up Well is located adjacent to the 250,000-gallon plant tank, as well as the 1-million-gallon mine tank. The well is located approximately 300 feet to the north of the Whiterock Sink and 1,400 feet to the north of the Graymont underground mine on the Graymont lime plant property. The Plant Make-Up Well was drilled prior to 1978 when the plant was under previous ownership. There are no existing well logs for the well, and an attempt to video log the borehole failed due to an impassable obstruction encountered at a depth of 79 feet below ground surface (bgs). The 8-inch-diameter well is constructed in Ordovician-age limestone and dolomite of the Loysburg Formation to an approximate total depth of 300 feet bgs (760 feet above mean sea level [amsl]) with steel casing extending to 65 feet bgs. The terminal depth of the well is in excess of 700 ft above the planned final depth of the Graymont underground mine. The reported sustainable yield of the well is 75 gpm, according to historic operation and usage practices. Presently, the well pump is lodged in place and the obstruction precludes the use of a water-level meter to obtain water level measurements.

Based on the information above, the well was last approved for groundwater withdrawal by SRBC with an approved aquifer test waiver. Physical conditions of the well have not changed since that time and Graymont seeks to renew the approval under the same docket conditions with no requested increase in use.