



SUSQUEHANNA RIVER BASIN COMMISSION

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Consumptive Use Application Summary

Source Name: Frey Farm Landfill CU Modification

SRBC Pending No.: 2022-037

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

1.0 General

This section requests pertinent information related to the consumptive use, and if applicable, out-of-basin diversion application(s) that are being requested.

1.1 Project Sponsor

Company Name: Lancaster County Solid Waste Management Authority

Mailing Address Line 1: 1299 Harrisburg Pike

Mailing Address Line 2:

City: Lancaster

State: PA

ZIP Code: 17603

Contact Person:

First Name: Daniel

Last Name: Brown

Title: Environmental Compliance Manager

Telephone: 717-553-5864

Fax:

Mobile:

E-mail: dbrown@lcswma.org

1.4 Requested Consumptive Use Quantity(ies):

The consumptive use should be entered in million gallons per day (mgd) and rounded up to the nearest one thousand gallons (three decimal places). For multiple sources, provide the total quantity for existing and proposed consumptive use, as applicable.

1.4.1 Projected Design Year:

2038

1.4.2 Existing Consumptive Use Quantity

0.011(mgd) Peak-day 30-day average

1.4.3 Requested Increase in Consumptive Use

0.03(mgd) Peak-day 30-day average

1.4.4 Modification Applications

Enter the previously approved quantity: 0.065(mgd)
Total requested consumptive use for the facility: 0.095(mgd)

2.4 Facility Location

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

2.4.1 Facility Address

Street Address: 3049 River Road

State: PA

County: Lancaster

Municipality: Manor Township

Zip Code: 17516

2.1 Project Description

A. Site/Facility Name

The project site is the Frey Farm Landfill and is located at 3049 River Road, Conestoga, Pennsylvania in Manor Township, Lancaster County.

B. Anticipated Long-term Owner and Operator

Lancaster County Solid Waste Management Authority (LCSWMA) is the long-term owner and operator of both the site and the landfill facilities.

C. Type of Facility

Frey Farm Landfill is a municipal waste landfill.

D. Consumptive Uses

Water is consumptively used for dust suppression, truck and tire washing, and hydroseeding irrigation at Frey Farm Landfill.

E. Requested Quantity of Water and Source of Consumptive Use

LCSWMA intends to withdraw groundwater from one (1) well at Frey Farm Landfill, the Frey Dairy Well. Additional water will be obtained from Turkey Hill Dairy, Inc., if an agreement can be established. During periods of temporary increases in demand, LCSWMA intends to meet demand by utilizing treated groundwater obtained from the adjacent closed Creswell Landfill's groundwater remediation system, which LCSWMA is concurrently applying to operate under SRBC General Permit GP-01. This water will be extracted, metered, and delivered from Creswell Landfill via water trucks. The total requested consumptive use volume for FFLF is 95,000 gallons per day (gpd) or 0.095 million gallons per day (mgd) on a maximum 30-day Average basis, which is a 30,000 gpd (0.030 mgd) increase over the currently approved consumptive use volume of 65,000 gpd (0.065 mgd) for the site under SRBC Docket 20061208.

F. Description of Site Activities

Groundwater withdrawn from the Frey Dairy Well, obtained from Turkey Hill Dairy, Inc. if an agreement is established, and treated groundwater delivered from Creswell Landfill will be consumptively used for dust suppression, truck and tire washing, and hydroseeding irrigation. These site activities occur on a daily basis in conjunction with solid waste operations at the landfill. Additionally, demand is expected to temporarily increase during future construction projects, which have been approved by the Pennsylvania Department of Environmental Protection and are scheduled during the 15-year approval period for this consumptive use application (see Attachment 2.2).

G. Requested Quantity of Water to be Consumptively Used

The total requested consumptive use volume is 95,000 gpd (0.095 mgd) on a maximum 30-day Average basis. Although the site does not expect to require 0.095 mgd to meet daily operational needs, demand is expected to temporarily increase during future construction projects.



H. Date Operations Began at the Site

LCSWMA obtained the initial operations permit for Frey Farm Landfill in 1988 and began site operations in 1989.

I. Other project-specific details

Relative to the existing consumptive use docket for FFLF (20061208), LCSWMA proposes to change the groundwater withdrawal source from FFMP016W to the Frey Dairy Well and water obtained from Turkey Hill Dairy, Inc., if an agreement can be established. Additional temporary increases in consumptive use demand will be met using treated groundwater obtained from the adjacent closed Creswell Landfill's groundwater remediation system, which LCSWMA is concurrently applying to operate under SRBC General Permit GP-01.

