WHITEHALL BOROUGH
STORMWATER MANAGEMENT PROGRAM

PROGRAM OVERVIEW

Municipalities throughout the country are under a federal mandate requiring a stormwater management program for reducing pollution impacts from stormwater runoff. In 2003, Whitehall Borough was issued a Municipal Separate Storm Sewer System (MS4) Permit through the Pennsylvania Department of Environmental Protection (PADEP) and the Environmental Protection Agency. The Borough is regulated under DEP's General NPDES Permit (PAG-136225). Implemented through the Clean Water Act, the permit's numerous requirements are through six Minimum Control Measures (MCMs). These six MCMs consist of the following:

- *MCM #1 Public Education and Outreach*
    - Educate the public on stormwater pollution and prevention through various distribution methods.
- *MCM #2 Public Involvement and Participation*
    - Promote environmental events for the public to participate.
- *MCM #3 Illicit Discharge, Detection and Elimination*
    - Develop, implement, and enforce a program to detect and eliminate stormwater pollution.
- *MCM #4 Construction Site Stormwater Runoff Control*
    - Reduce stormwater pollution from construction sites within the Municipality.
- *MCM #5 Post Construction Stormwater Management*
    - Encourage activities such as low impact development, a post construction runoff ordinance, and operation and maintenance of stormwater best management practices.
- *MCM #6 Pollution Prevention and Good Housekeeping*
    - Educate and train municipal staff to prevent and reduce stormwater pollution from municipal buildings and operations.

The PADEP requires the municipalities to submit Progress Reports in order to track progress on each permittee's stormwater management program. For the Borough's 2013-2018 MS4 permit, Whitehall is required to adhere to the following deadlines:

- Progress Report 1 due *May 9, 2014*
- Progress Report 2 due *May 14, 2016*
- Progress Report 3 due *September 16, 2017*
- Permit Renewal for 2018 to 2023 MS4 Permit due *September 16, 2017*

WHITEHALL BOROUGH BACKGROUND

According to the United States Census Bureau, the Borough has a total area of 3.30 square miles. Whitehall is located in the South Hills area of Pittsburgh and is boarded by Brentwood, Baldwin, Bethel Park, Castle Shannon, and Overbrook. The 2010 Census reported the Borough's population at 13,944 residents.

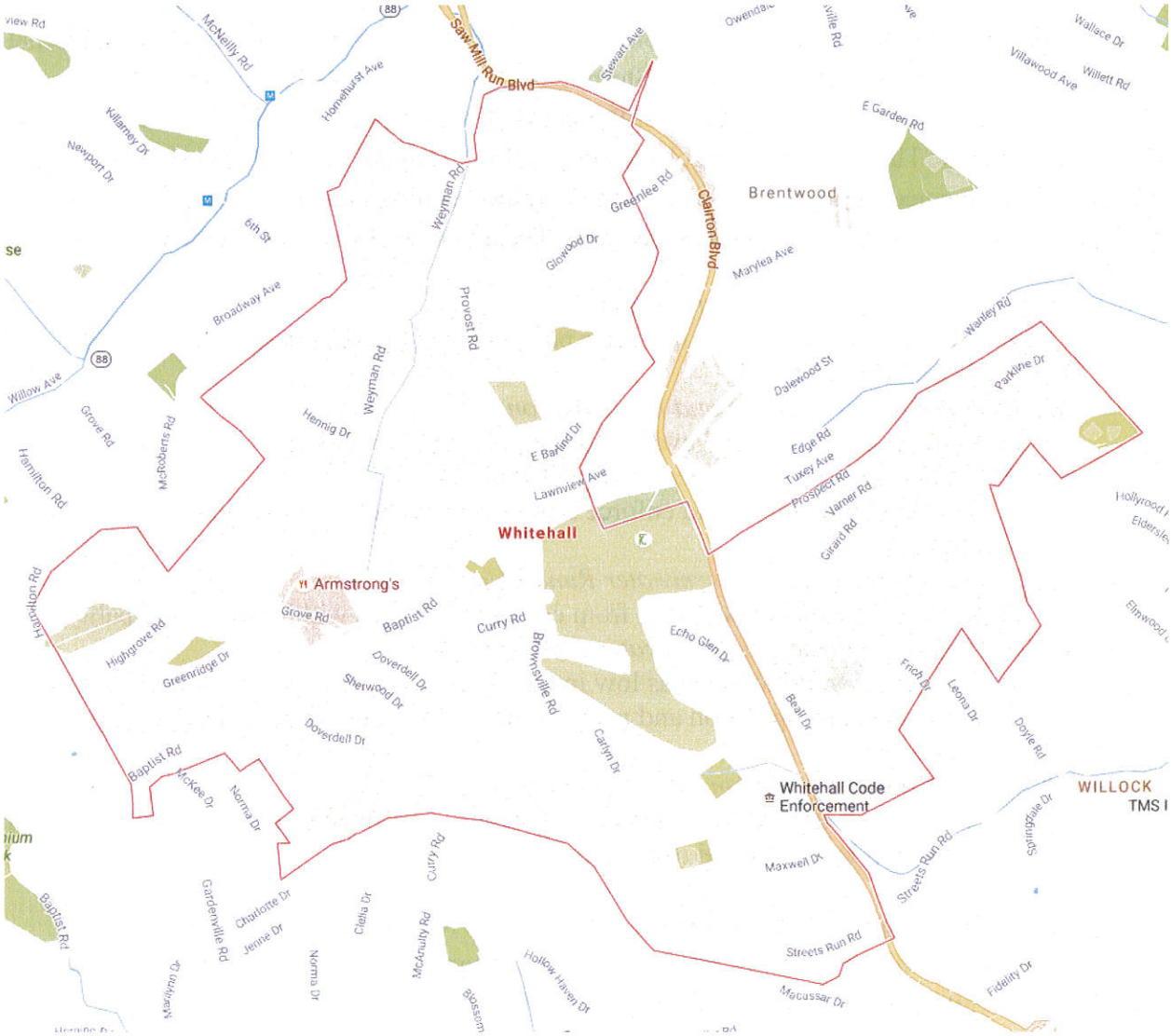

Figure 1 Whitehall Borough Boundary Map

RECEIVING STREAMS AND WATERSHEDS

The Borough's receiving streams include unnamed tributaries to Saw Mill Run and Streets Run. The stormwater from Whitehall drains into the Sawmill Run, Streets Run-Monongahela River, and Piney Fork-Peters Creek watersheds. Table 1 lists the non-attaining stream assessments and the TMDL impairments and causes, if applicable. Figure 2 illustrates the receiving streams according to the National Hydrography Dataset (NHD) in Whitehall Borough from DEP's EMapp.

Table 1: Stream impairments in Whitehall Borough.

Receiving Streams	Non- Attaining Impairments & Causes	TMDL Impairments
Streets Run & UNT (37198)	Abandoned Mine Drainage - Metals ; Urban Runoff/Storm Sewers - Siltation	Streets Run – Metals
UNTs to Sawmill Run (37170 & 37171)	Combined Sewer Overflow - Organic Enrichment/Low D.O. ; Urban Runoff/Storm Sewers - Water/Flow Variability	Sawmill Run - Nutrients ; Siltation ; Organic Enrichment/Low D.O. ; DO/BOD Sawmill Run – Metals; pH; Siltation

Figure 2: Receiving Streams in Whitehall Borough (NHD Flowlines – Purple)

Saw Mill Run travels from the West End to Route 88, making it 22 miles long. The stream drainage area is approximately 19 square miles and contains 12 municipalities and more than 14 City of Pittsburgh neighborhoods. In 1996 and 2002 Saw Mill Run was listed on Pennsylvania's 303(d) list for impairments. The listed segments consist of the mainstem of Sawmill Run and 8 of the 11 unnamed tributaries. On April 4, 2007 a TMDL for AMD and sediment was finalized for the Sawmill Run watershed. The mainstem of Sawmill Run and 8 of the 11 unnamed tributaries are applicable to this TMDL. The source causes for the impairments consists of metals, pH and siltation.

On June 30, 2008, the EPA established another TMDL for nutrients for the Sawmill Run Watershed. Only four segments of the watershed are listed under this TMDL. The source causes for the impairments consists of nutrients, siltation, organic enrichment, and low dissolved oxygen and biochemical oxygen demand. Whitehall Borough was required to develop a MS4 TMDL Plan for nutrients and sediment for Sawmill Run Watershed. The TMDL Plan was submitted to DEP on December 1, 2015.

The goal of the stormwater management program is to reduce/eliminate the pollutants associated with these receiving waters. It should be noted that the Borough is not responsible for pollution caused by abandoned mine drainage. The MCMs within the MS4 permit will be adjusted annually in an effort to reduce and/or eliminate these pollutants. The alterations will be based on various data collection efforts that are further specified in each MCM plan.