

## 5. OFF-SITE FACILITIES

### Introduction

As part of the proposed Catskill/Delaware UV Facility, the section of the existing Catskill Aqueduct between Kensico Reservoir and the Eastview Site must be pressurized in order to convey up to 1,000 mgd of raw (untreated) water to the proposed UV Facility at the correct elevation by gravity such that it can be treated in the UV Facility without construction of a new pumping station. A series of inspections of this portion of the Catskill Aqueduct have been conducted, and the results are being analyzed to determine the type and extent of work that would be necessary to pressurize the Catskill Aqueduct between Kensico Reservoir and the Eastview Site. This Final EIS presents the reasonable worst case pressurization work in order to present the reasonable worst case environmental impacts from this pressurization work. This pressurization work would be completed seasonally (approximately September through May) from 2007 to 2011; the pressurization work period would coincide with the construction period for the UV Facility. Work would occur eight hours per day, Monday through Friday; no extended hours, double shifts, or weekend shifts are anticipated as part of the proposed pressurization work.

The proposed locations that would be used for construction staging areas and access points by workers and materials for this proposed rehabilitation work are located near the Kensico Reservoir and the Taconic State Parkway (Figures 5.1-1 and 5.2-1). These locations are the existing access points into the Catskill Aqueduct and are described in more detail in Section 5.1, **Kensico Reservoir Work Sites**, and Section 5.2, **Taconic State Parkway Work Sites**. During the first two seasons, work would take place at the Taconic State Parkway Work Sites; work would take place at the Kensico Reservoir Work Sites during the second, third, and fourth seasons; if filling of the Catskill and Delaware Aerators is undertaken, work would take place during the first season at the Kensico Reservoir Work Sites. Work would occur at the Catskill Aerator again in association with the construction of the new Screen Chamber.

In order to provide water to the Town of Mount Pleasant and Westchester County Water District No. 3 during the pressurization work on the Catskill Aqueduct, work could take place at Delaware Shaft No. 18 (on the Kensico Reservoir campus) prior to the pressurization work. This would establish a water main from Delaware Shaft No. 18 to the Town of Mount Pleasant's Commerce Street Pumping Station. Westchester County Water District No. 3 would still have access to water through their connections to the Town of Mount Pleasant's system. See Section 4.1, **Introduction and Project Description**, Section 4.16, **Infrastructure and Energy**, and Section 5.1, **Kensico Reservoir Work Sites**, for a description of this proposed work and associated potential impacts. Water could also be provided to the Town during the pressurization work on the Catskill Aqueduct from a temporary booster pumping station at the Eastview Site and installation of a water main to convey water from a temporary bypass pumping station on Delaware Shaft No. 19. See Section 7, **Alternatives**, for a description of this proposed work.

A study area of one-quarter mile was established from each site in conducting the following analyses. The methodology used to prepare these analyses is presented in Section 3, **Data Collection and Impact Methodologies**.