

**FINAL ENVIRONMENTAL IMPACT STATEMENT FOR THE  
CATSKILL/DELAWARE UV FACILITY  
METHODOLOGIES**

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### 3. DATA COLLECTION AND IMPACT METHODOLOGIES

#### 3.1. INTRODUCTION

This chapter describes the data collection and impact assessment methodologies used to perform and interpret the impact assessments. Wherever applicable, the analyses used the methodologies outlined in the City of New York's 2001 *City Environmental Quality Review (CEQR) Technical Manual*, since the sponsor of the proposed Catskill/Delaware Ultraviolet Light Disinfection Facility (the UV Facility) is a City agency (New York City Department of Environmental Protection [NYCDEP]). However, since the Eastview Site and associated off-site work locations are located outside of the City in Westchester County, locally and/or State accepted environmental assessment methodologies were applied in cases where the CEQR guidelines were either irrelevant or less stringent.

##### 3.1.1. Eastview Site

###### 3.1.1.1. Methodology Overview

Each impact assessment describes Existing Conditions, the Future Without the Proposed Project, and the Future With the Proposed Project (Potential Impacts), including operation and construction of the proposed UV Facility. Where potential significant adverse impacts are identified in the Potential Impacts analysis, the assessment describes the proposed mitigation measures that would minimize or avoid the potential impacts to the maximum extent practicable. Wherever applicable, the Existing Conditions and Future Without the Proposed Project sections incorporate relevant data from other environmental assessment documents prepared by NYCDEP for projects on the Eastview Site or in the study area, and were updated, as necessary.

The Future Without the Project considers the anticipated peak year of construction and the first full year of operation (2010) for the proposed facility. The peak construction year varies depending on the analysis, e.g., for most of the analyses the relevant peak year is 2008, but it is 2006 for the noise analysis. For each year, two scenarios are assessed: one in which the NYCDEP Croton project is not located on the Eastview Site and another in which the Croton project is located on the site, specifically in the northwest corner of the north parcel. By the peak construction year, two additional NYCDEP projects could be located on the Eastview Site, namely a Police Precinct and possibly an Administration/Laboratory Building<sup>1</sup>. The Police Precinct may be located in the southwest corner of the north parcel. The Administration/Laboratory Building is less certain, however, as the Eastview Site is one of several properties currently being evaluated for use as a possible site for that particular building and a siting decision has not been made. In addition to these projects, NYCDEP's Kensico-City Tunnel may be under construction at the Eastview Site starting in 2009. Therefore, the 2010 analysis year considers the possibility of this project. All of these NYCDEP projects are

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<sup>1</sup> The location of the Administration/Laboratory Building depends on the results of a siting evaluation which is currently ongoing. The Eastview Site is one of several properties currently being considered as a possible site, and no siting decision has been made. The siting decision will be evaluated and discussed as part of a separate independent environmental review.

analyzed in this Final EIS to the extent to which information is available. They are all separate actions from the proposed facility and will undergo their own independent environmental reviews.

Table 3.1-1 summarizes all of the NYCDEP projects that may be located on the Eastview Site in the Future Without the Project.

**TABLE 3.1-1: PROJECTS THAT MAY BE LOCATED ON THE EASTVIEW SITE IN THE FUTURE WITHOUT THE PROJECT**

<b>Project</b>	<b>Location</b>	<b>Start/Completion Year</b>	<b>Status</b>
Croton Water Treatment Plant	Northwest corner of north parcel	Construction to start in 2005 with completion by 2010	Siting decision to be made in June 2004. WTP may be built on Eastview Site or on one of two sites in the Bronx.
East-of-Hudson Police Precinct	Southwest corner of north parcel	Construction to start in 2005 with completion by 2006	Site plan application was approved by the Town in September 2004.
East-of-Hudson Administration/Laboratory Building	Location to be determined	Not available	NYCDEP is currently conducting a siting analysis. Eastview Site is one of several properties being considered.
Kensico-City Tunnel	Location to be determined	Construction may start in 2009; 15-year construction period	Feasibility study has been conducted, identifying three alternative alignments. No specific work sites have been identified, although the Eastview Site is likely to be a work site.

**Notes:** All of these projects would undergo separate and independent environmental reviews.

### **3.1.1.2. Combined Impacts**

Combined impacts are two or more individual effects on the environment that, when taken together, compound or increase other environmental impacts, which may rise to the level of significance. For the Eastview Site, the Final EIS examines the potential combined impacts of all of the NYCDEP projects identified above. As compared to the traditional EIS format (e.g., Existing Conditions, Future Without the Project, Future With the Project), the combined impacts assessment considers each NYCDEP project as a “proposed action” or project and compares the combined incremental effects to a Future Without the Project condition where no development

would occur on the Eastview Site. In other words, all of the NYCDEP projects are considered in the Future With the Project as opposed to the Future Without the Project.

### **3.1.2. Off-Site Work Locations**

For the associated off-site work locations, the pressurization of the Catskill Aqueduct and filling of the existing Catskill and Delaware aerators near Kensico Reservoir, a preliminary screening analysis was conducted. In the cases where the screening results indicated that the proposed action could have a significant impact, a detailed assessment was conducted, in accordance with the *CEQR Technical Manual*.