I INTRODUCTION

The final 301(h) application for secondary treatment modification for the Honouliuli Wastewater Treatment Plant (WWTP) was submitted to the U.S. Environmental Protection Agency (EPA) on September 7, 1979, prior to the November 20, 1979, deadline. Subsequently, a reapplication for secondary treatment modification was submitted on October 31, 1983. The latest 301(h) modified National Pollutant Discharge Elimination System (NPDES) permit for Honouliuli WWTP was issued by EPA on May 2, 1991, became effective on December 16, 1993, and expired on June 5, 1996. A reapplication was submitted on December 1, 1995, at least 180 days prior to the permit expiration, and updated in January 2000. Since a new permit was not issued prior to the expiration date, by federal regulations, the existing permit was automatically extended.

Since the submittal of the 1983 reapplication, the average annual wastewater design flow increased from 1.1 to 1.7 cubic meters per second (m^3/sec) (25 to 38 million gallons per day [mgd]), and several improvements to the Honouliuli WWTP were made to upgrade and increase the capacity of the plant, including two new primary clarifiers. In addition, effluent and solids reclamation projects were implemented in response to provisions in the 309 Consent Decree's Supplemental Environmental Projects. This reapplication will demonstrate that the recent improvements and the projected flow will not create a significant difference in the impact on the receiving water quality and the benthic ecosystem.

The format of this reapplication is based on the *Amended Section 301(h) Technical Support Document (EPA, 1994).* The relationship between information presented in this reapplication and the reapplication w/update previously submitted is as follows:

1. **Updated.** Incorporation of new data obtained from subsequent WWTP, water quality, and biological monitoring to provide an updated assessment of plant performance and the associated effects on receiving waters. Also, updates from the water reclamation facility are included.

2. **Modified.** Significant revisions of the 1983 Information were necessitated by new requirements contained in the *Amended Section 301(h) Technical Support Document,* which requests additional data collection or different methods of calculation.

3. **No Change.** Portion of the 19983 reapplication are still pertinent and can be excerpted verbatim because much of the sampling and analysis for the document were performed on either untreated or primary effluent.