

# Preface

This manual of practice presents contemporary design considerations for wastewater and stormwater pumping stations. The manual, which updates the previous pumping station design manual published in 1993 by the Water Environment Federation, covers station capacity requirements and configuration, the selection and design of pumping equipment, piping system layout and hydraulic considerations, electrical and instrumentation systems design, and other station appurtenances.

The manual is intended for the practicing design professional. Accordingly, it focuses on current design practice for those individuals that have a general knowledge of the basic principles of pumping station design. Considerations discussed are intended to cover the design of both small and large pumping stations and highlight the differences between wastewater and stormwater stations.

The contents of this manual represent the collected background and experience of more than 20 professionals active in the design of wastewater and stormwater pumping stations. Material presented is intended to complement other Water Environment Federation manuals of practice and published design guidelines and textbooks.

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