

## FOREWORD

The need for guidelines to reduce water intake and waste-water disposal by industry is of national concern in view of South Africa's water scarcity.

To establish norms for water intake and waste-water disposal, the Water Research Commission (WRC) in collaboration with the Department of Water Affairs (DWA), contracted Steffen, Robertson and Kirsten, a firm of consulting engineers, to undertake a National Industrial Water and Waste-water Survey (NATSURV) of all classes of industry. The consultants identified 75 industrial groupings in South Africa, one of which is the paper and pulp industry. The results obtained in the survey of the paper and pulp industry form the basis of the Guide on Water and Waste-water Management in the Paper and Pulp Industry.

It is hoped that this guide will be of value to the industry itself, and to other interested parties such as municipalities, administrators, researchers and consultants in the water and waste-water fields.