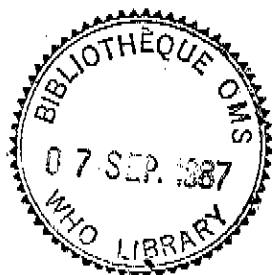


World Health Organization

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COMMUNITY WATER SUPPLY AND SANITATION

Publications and Documents

Geneva
April 1987

FOREWORD

The present booklet is the second edition of the List of Publications and Documents produced by the World Health Organization in the community water supply and sanitation sector. It is organized in three sections.

I - WHO PUBLICATIONS

In this section are listed publications mentioned in the official WHO Catalogue. They are organized according to the same classification.

The information provided on Regional Offices publications is based on catalogues and documents available in the CWS Unit at the date of the preparation of the present list. As other valuable documents may exist, readers should also refer to the catalogues of the Regional Offices of WHO.

II - CWS DOCUMENTS

Here are presented the documents produced during the last five years by the Community Water Supply and Sanitation Unit (and the previous ETS and GWS Units) of the World Health Organization. For ease of reference, they are organized by subject, and within subject, in chronological order.

III - STAFF PAPERS

This is a new section. It includes papers (most of them unpublished) prepared by WHO staff members on various occasions: conferences, meetings, training courses etc... Some of these papers have not been formally reviewed; thus, the views expressed are not necessarily those of the World Health Organization and are the responsibility of the authors.

Each reference is followed by a brief summary of the document contents, and the available languages are indicated according to the following codes:

Ar = Arabic; E = English; F = French; R = Russian; S = Spanish

A list of abbreviations and acronyms is given at the end of the document, as well as the list of booksellers where WHO Publications may be obtained.

It is intended to update regularly this list to make it as accurate and comprehensive as possible. Comments and suggestions for its improvement would be welcome and should be sent to:

The Manager
Community Water Supply and Sanitation
Division of Environmental Health
World Health Organization
Avenue Appia
1211 - Geneva 27
Switzerland

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I - WHO PUBLICATIONS

NON SERIAL

Guide to Simple Sanitary Measures for the Control of Enteric Diseases
by S. Rajagopalan with a section on food and sanitation by M.A. Shiffman
1974; 103 pages, illustrated (Ar, E, F, R, S)
ISBN 92 4 154047 8 Sw.fr. 25.-

The present guide provides a compendium of knowledge of simple measures that can be implemented with limited resources to control enteric diseases; it is intended for the use of professional personnel responsible for public health and sanitary services in developing countries.

Slow Sand Filtration
by L. Huisman & W.E. Wood
1974; 122 pages (E, F)
ISBN 92 4 154037 0

Sw.fr. 16.-

The object of this volume is to discuss the various aspects of one particular form of water treatment, the "biological filtration" or "slow sand filtration" process. This system of water purification has proved effective under widely differing circumstances. It is simple, inexpensive and reliable.

Community Wastewater Collection and Disposal
by D.A. Okun & G. Ponghis
1975; 287 pages (E, F, R)
ISBN 92 4 136043 2

Sw.fr. 42.-

The present publication is directed specifically to engineers and others responsible for planning, designing and constructing community wastewater collection and disposal facilities in developing countries. It provides guidance on the adaptation of current technology in accordance with local resources of funds, personnel and equipment.

Manuel du Technicien Sanitaire
by J.N. Lanoix et M.L. Roy
1976; 193 pages (F only)
ISBN 92 4 254057 9

Sw.fr. 40.-

The aim of this publication is to serve as a handbook for the training of sanitary personnel in French speaking developing countries. It will also be a useful reference manual for those already on duty and will help others fill the gaps in their knowledge.

Drinking-water and Sanitation, 1981-1990. A Way to Health
A WHO contribution to the International Drinking Water Supply and Sanitation Decade

1981; 56 pages (P, F, S)
ISBN 92 4 156068 1 Sw.fr. 9.-
(The Spanish edition is available from the Pan American Sanitary Bureau,
Regional Office of the World Health Organization, Washington DC, USA -
Publicación Científica, No 431)

This publication is intended to inform all concerned at the national and international levels about WHO's Decade approach.

International Drinking Water Supply and Sanitation Decade. National Decade Plans: Eight Questions they answer.

1982; 18 pages (Ar, E, F, S)
ISBN 92 4 1560076 2 Sw.fr. 3.-

This booklet outlines the desirable content of a national "Decade" plan in the form of eight questions that it should answer.

Guidelines for Drinking-Water Quality

A three-volume work developed to give health authorities guidance when establishing national standards for the control of drinking-water quality. In close to 600 pages of tables and text, readers are presented with the data necessary to assess the quality of drinking-water, recognize when its constituents or contaminants pose a health threat and then implement the most appropriate remedial measures. Promoting a risk-benefit approach to the safeguarding of drinking-water quality, the books stress the need to interpret recommended health criteria within the context of prevailing environmental, social, economic and cultural conditions. More than 100 specialists from 39 countries collaborated in the production of these volumes, which now supersede both the European (1970) and International (1971) Standards for Drinking-Water.

Volume 1. Recommendations

1984, xii+130 pages (Ar, E, F, S)
ISBN 92 4 154168 7 Sw.fr. 17.-
(The Spanish edition is available from the Pan American Sanitary Bureau,
Regional Office of the World Health Organization, Washington DC, USA -
Publicación Científica, No 481)

Presents recommended guideline values for all water constituents that must be controlled in order to assure that the consumer enjoys safe potable water.

Volume 2. Health criteria and other supporting information

1985, ix+335 pages (Ar, E, F, S)

ISBN 92 4 154169 5

Sw.fr. 35.-

(The Spanish edition is available from the Pan American Sanitary Bureau, Regional Office of the World Health Organization, Washington DC, USA).

Reviews and interprets the extensive toxicological, epidemiological and clinical evidence that shaped the determination of guideline values for drinking-water control.

Volume 3. Drinking-water quality control in small community supplies

1985, 121 pages (Ar, E, F, S)

ISBN 92 4 154170 9

Sw.fr. 17.-

(The Spanish edition is available from the Pan American Sanitary Bureau, Regional Office of the World Health Organization, Washington DC, USA).

A reference work for all laboratory staff field workers, and health administrators endeavouring to improve water-supply programmes in rural areas of the developing world.

MONOGRAPHS

Composting. Sanitary Disposal and Reclamation of Organic Wastes

by H.B. Gotaas

Monograph Series, No. 31, 1956; 205 pages, illustrated (E, F)

ISBN 92 4 140031 5

Sw.fr. 35.-

The purpose of this monograph is to present methods and processes by which organic waste materials, which constitute a health hazard and a source of disease communication, may be treated for sanitary disposal and utilization in agriculture.

Excreta Disposal for Rural Areas and Small communities

by E.G. Wagner & J.N. Lanoix

Monograph Series, No. 39, 1958; 187 pages, illustrated (E, F, R out of print, S)

ISBN 92 4 140039 0

Sw.fr. 28.-

This monograph is addressed to public health administrators, medical officers of health and others engaged in public health. They will find in it not only technical data relating to particular rural excreta disposal facilities but also information on what is believed to be needed or to be done in order to achieve success in programmes of excreta disposal in rural areas and small communities.

Water Supply for Rural Areas and Small Communities

by E.G. Wagner & J.N. Lanoix

Monograph Series, No. 42, 1959; 337 pages, illustrated (E, F, R out of print, S)

ISBN 92 4 140042 0

Sw.fr. 44.-

The aim of this monograph is to assist the government officials who must meet the challenge of providing the population with water readily available in adequate quantity and free of pathogenic organisms. The authors have tried to show the minimum facilities that are necessary in small communities and individual households in order to satisfy the basic personal and public health objectives of water supply schemes.

Operation and Control of Water Treatment Processes

by C.R. Cox

Monograph Series, No. 49, 1964; 390 pages, illustrated (E, F, R, S out of print)

ISBN 92 4 140049 8

Sw.fr. 52.-

This monograph deals specifically with the operation and control of water treatment processes designed to produce water for domestic purposes. Its aim is to serve the needs of plant superintendants, operators and laboratory personnel. The approach used has been not to present standards of design, but rather to reveal how to get the most from a plant already built.

Waste Stabilization Ponds

by Ernest F. Gloyna

Monograph Series, No. 60, 1971; 175 pages, illustrated (E, F, S)

ISBN 92 4 140060 9

Sw.fr. 20.-

The purpose of this monograph is to summarize the available information on waste stabilization ponds; it is directed specifically to the design engineer and it will assist him in selecting the most suitable design in the light of economic considerations, availability of raw materials, climatic conditions and social factors.

Surveillance of Drinking-Water Quality

Monograph Series, No. 63, 1976; 136 pages (E, F, S)

ISBN 92 4 140063 3

Sw.fr. 29.-

In this publication are assembled information and guidelines for planning, organizing and operating programmes for surveillance of drinking water quality at the national or regional levels in the developing countries.

PUBLIC HEALTH PAPERS

Aspects of Water Pollution Control

by W. Christ, H. Fischerhof, C.W. Klassen, Sir G. McNaughton, E.J. Manner,
T. Nagibina & M. Petrik
Public Health Papers, No. 13, 1962; 116 pages (E out of print, F, R, S)
ISBN 92 4 130013 2 Sw.fr. 5.-

Selection of papers presented at the Conference on Water Pollution
Problems in Europe.

Urban Water Supply Conditions and Needs in Seventy-Five Developing Countries

by B.H. Dieterich & J.M. Henderson
Public Health Papers, No. 23, 1963; 92 pages (E, F, R, S)
ISBN 92 4 130023 X Sw.fr. 5.-

Presentation of the principal findings of a study on the state of urban
water supplies and future needs in a number of countries regarded as being
representative of the developing parts of the world.

Problems in Community Wastes Management

by H.M. Ellis, W.E. Gilbertson, O. Jaag, D.A. Okun, H.I. Shuval & J. Sumner
Public Health Papers, No 38, 1969; 89 pages (E, F, S)
ISBN 92 4 130038 8 Sw.fr. 7.-

Unrestricted and haphazard disposal of wastes constitutes a clear threat
to public health all over the world. The papers presented here deal with
the management of solid and liquid wastes.

TECHNICAL REPORT SERIES

Expert Committees and other international groups of experts are convened to give advice on technical and scientific matters. The selection of members of such expert groups is based primarily on their ability and technical experience. The WHO Technical Report Series is the vehicle of publication of collective reports of such groups.

Water Pollution Control

Report of a WHO Expert Committee (Geneva, 1965)
Technical Report Series, No. 318, 1966; 32 pages (E, F out of print, R, S
out of print)
ISBN 92 4 120318 8 Sw.fr. 3.-

Treatment and Disposal of Wastes

Report of a WHO Scientific Group (Geneva, 1966)
Technical Report Series, No. 367, 1967; 30 pages (E, F, S)
ISBN 92 4 120367 6 Sw.fr. 3.-

Water Pollution Control in Developing Countries

Report of a WHO Expert Committee (Geneva, 1967)
Technical Report Series, No. 404, 1968; 38 pages (E, F out of print, R, S
out of print)
ISBN 92 4 120404 4 Sw.fr. 5.-

Community Water Supply

Report of a WHO Expert Committee (Geneva, 1968)
Technical Report Series, No. 420, 1969; 21 pages (E, F, S)
ISBN 92 4 120420 6 Sw.fr. 3.-

Solid Wastes Disposal and Control

Report of a WHO Expert Committee (Geneva, 1971)
Technical Report Series, No. 484, 1971; 34 pages (E, F, S)
ISBN 92 4 120484 2 Sw.fr. 5.-

Techniques for the Collection and Reporting of Data on Community Water Supply

Report of a WHO Scientific Group (Geneva, 1971)
Technical Report Series, No. 490, 1972; 24 pages (E, F, S)
ISBN 92 4 120490 7 Sw.fr. 3.-

Reuse of Effluents: Methods of Wastewater Treatment and Health Safeguards

Report of a WHO Meeting of Experts (Geneva, 1971)
Technical Report Series, No. 517, 1973; 63 pages (E, F, S)
ISBN 92 4 120517 2 Sw.fr. 7.-

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Disposal of Community Wastewater

Report of a WHO Expert Committee (Geneva, 1973)
Technical Report Series, No. 541, 1974, 57 pages (Ar, E, F, R, S)
ISBN 92 4 120541 5 Sw.fr. 6.-

Human Viruses in Water, Wastewater and Soil

Report of a WHO Scientific Group (Geneva, 1971)
Technical Report Series, No 639, 1979; 50 pages (E, F, S)
ISBN 92 4 120639 X Sw.fr. 4.-

Technology for water supply and sanitation in developing countries

Report of a WHO Study Group (Geneva, 1986)
Technical Report Series, No 742, 1987; 36 pages (E, F, S)
ISBN 92 4 120742 6 Sw.fr. 7.-

WHO OFFSET PUBLICATIONS

Community Water Supply and Excreta Disposal. Situation in the Developing Countries. A commentary

by C.S. Pineo & D.V. Subrahmanyam

WHO Offset Publication, No. 15, 1975; 41 pages (Ar, E out of print, F)

ISBN 92 4 170015 7

Sw.fr. 12.-

In 1971 and 1972 a global survey was carried out of community water supply and excreta disposal conditions and needs in the developing countries in both urban and rural centres. The present publication is an analysis and commentary of the salient data resulting from this survey.

The International Drinking Water Supply and Sanitation Decade. Review of National Baseline Data (as at 31 December 1980)

WHO Offset Publication, No. 85, 1984; 169 pages (Ar, E, F, S)

ISBN 92 4 170085 8

Sw.fr. 15.-

Initial analysis of the Decade baseline situation in 87 developing countries.

The International Drinking Water Supply and Sanitation Decade. Review of Regional and Global Data (as at 31 December 1983)

WHO Offset Publications, No. 92; 1986; 30 pages. (E, F, S)

ISBN 92 4 170092 0

Sw.fr. 6.-

Summaries of some of the data collected during a survey carried out in 1984, to ascertain the status of water supply and sanitation services as at 31 December 1983, after 3 years of Decade implementation.

Guidelines for planning community participation in water supply and sanitation projects

by Anne Whyte

WHO Offset publication, No. 96, 1986; 60 p. (E, F in preparation)

Sw.fr. 10

In water supply and sanitation programmes, planners have come to realize that community participation is an essential ingredient for projects to be successful. The guidelines lead the planner through the "what, when, where, why, how and who" questions associated with the community participation process.

WORLD HEALTH STATISTICS

Community Water Supply and Sewage Disposal in Developing Countries
World Health Statistics Report, 1973, Vol. 26, No. 11 (E/F)

Sw.fr. 15.-

This study contains national data, as of 30 December 1970, on community water supply (91 countries) and sewage disposal (61 countries) from many of the developing countries which are Member States of the World Health Organization.

Community Water Supply and Excreta Disposal in Developing Countries
Review of Progress

World Health Statistics Report, 1976, Vol. 29, No. 10 (E/F)

Sw.fr. 17.-

This issue reviews the progress of community water supply and excreta disposal services in the period 1970 to 1975, furnishes estimates of investments required to meet the WHO targets for 1980 and outlines courses of action to meet these goals.

The International Drinking Water Supply and Sanitation Decade
Reprint from: World Health Statistics 1985; pp. 39-67, (E/F)

Data have been collected to assess the status of water supply and sanitation services at the end of 1980 and 1983 and, together with the previous information collected in 1970 and 1975, have been used to compile the information contained in this report.

Safe Water Supply and Sanitation: Prerequisites for Health for All
World Health Statistics Quarterly, 1986, Vol. 39, No. 1 (E/F)

Sw.fr. 15.-

The present review is chiefly based on data collected in the surveys of 1970, 1980 and 1983. In the two latter surveys, information was requested on national targets for 1990, i.e. the end of the Decade; this information forms the basis for an evaluation of future trends. The countries covered by the surveys are from the developing parts of the world and, with few exceptions, are Member States of WHO.

WORLD HEALTH (Periodical)

World Health, August-September 1980
Water Decade 1981-1990

Special issue devoted to the launching of the International Drinking Water Supply and Sanitation Decade.

World Health, August-September 1982
Water is life

A series of articles on the status of water supply and sanitation in various countries.

World Health, December 1986
Water is development

This issue of World Health examines the International Drinking Water Supply and Sanitation Decade, now at its half-way point and the efforts being made to bring safe water to the whole world.

REGIONAL PUBLICATIONS *

Medios visuales de instrucción: Agua y alcantarillado **

No 7. Toma de muestras y pruebas de agua potable 1964, 74 frames (S, E)	US\$ 5.-
No 8. Pequeñas plantas de tratamiento de agua 1965, 59 frames (S, E)	US\$ 5.-
No 12. Aspectos sanitarios de la perforación de pozos 1965, 65 frames (S, E)	US\$ 5.-
No 14. Sifonamiento y conexiones cruzadas 1965, 75 frames (S, E)	US\$ 5.-
No 15. Aspectos sanitarios de la excavación de pozos 1965, 86 frames (S, E)	US\$ 5.-
No 42. Lagunas de estabilización 1970, 78 frames (S, E)	US\$ 5.-
No 69. Agua potable para la comunidad rural 1977, 60 frames (S, E)	US\$ 5.-

Regional symposium on solid wastes. Santo Domingo, Dominican Republic,
13-17 February 1978 **
Document EH 22, 464 pages (E,S) US\$ 5.-

Working papers and final document of a symposium organized by the Pan American Health Organization, World Health Organization in response to the concern expressed by the governments of the Region about the growing problem of how to manage properly an ever-increasing production of solid waste.

Procedimientos simplificados para el examen de aguas. Manual de laboratorio **
Publicación científica, 349, 1978, 146 pages (S) US\$ 2.00

Translation of "Simplified procedures for water examination. Laboratory Manual" published by the American Water Works Association.

* Please refer also to the Catalogues of Publications of the Regional Offices of the World Health Organization

** Available from the Pan American Sanitary Bureau, Regional Office of the World Health Organization, Washington D.C. 20037, U.S.A.

Strategies for extending and improving potable water supply and excreta disposal services during the Decade of the 1980s. Technical discussions of the XXVI Meeting of the Directing Council of PAHO *

Publicación científica, 390, 1979, 52 pages (E,S) US\$ 3.-

The information contained in this report outlines developments in the water supply and sanitation sectors in the last two decades, includes and analysis of the factors that have contributed to the advances achieved and identifies some of the constraints on future progress.

Environmental health activities of the Pan American Health Organization *

Environmental series No. 1, 1981, 40 pages (E, S)

Special feature on the International Drinking Water Supply and Sanitation Decade in Latin American and the Caribbean.

Environmental health activities of the Pan American Health Organization *

Environmental series No.2, 1982, 154 pages (E, S)

Special features: water and sanitation, operation and maintenance of water systems in Latin America and the Caribbean.

Drinking water supply and sanitation: the International Decade in the Americas *

Environmental series No. 3, 1983, 82 pages (E, S)

Special features : planning, community participation, appropriate technology, institutional and human resource development, financing.

Seminario regional sobre recursos humanos para el Decenio Internacional del Agua Potable y del Saneamiento Ambiental *

Publicación científica, 437, 1983, 268 pages (S) US\$ 8.-

Waste Stabilization Ponds. Design and operation. Report of a Seminar (Lahore, 1980)

WHO/EMRO Technical Publications, No. 3, 1981; 341 pages (E only)

US\$ 3.-

(Available from the WHO Regional Office for the Eastern Mediterranean, P.O. Box 1317, Alexandria, Egypt)

The purpose of the seminar was to review the use of waste stabilization ponds in WHO's Eastern Mediterranean Region, to encourage the employment of this technique in countries which have not already adopted it and to study developments in design and operation that have evolved over recent years.

* Available from the Pan American Sanitary Bureau, Regional Office of the World Health Organization, Washington D.C. 20037, Washington.

Health Aspects of Treated Sewage Re-use. Report on a WHO Seminar (Algiers, 1980)

EURO Reports and Studies, No. 42, 1981; 42 pages (E out of print, F)
ISBN 92 890 1208 0 Sw.fr. 4.-

Conclusions, recommendations and summaries of the most significant points raised at a WHO seminar on the use of treated sewage as a reliable source of water for many purposes.

The Risk to Health of Microbes in Sewage Sludge Applied to Land. Report on a WHO Working Group (Stevenage, UK, 1981);

EURO Reports and Studies, No. 54, 1981; 25 pages (E only)
ISBN 92 890 1220 X Sw.fr. 4.-

The purpose of the working group was to cover the range of microbial pathogens known to be present in sewage sludge and review the risks of infection to man.

Rural Water Supplies. Report on a WHO Meeting (Stevenage, UK, 1982)

EURO Reports and Studies, No. 87, 1983; (E only)
ISBN 92 890 1253 6 Sw.fr. 7.-

Report and recommendations of a meeting whose scope and purpose was to consider the current technology applied to small water supply systems in Europe, particularly in isolated rural communities.

Glossary on Solid Waste

compiled by P.K. Patrick
(Nonserial publication of the WHO Regional Office for Europe) 1980;
92 pages (E only)
ISBN 92 9020 199 1 Sw.fr. 12.-

This glossary is published to reduce possibilities of misunderstanding and facilitate communication in the field of solid waste management which involves many branches of engineering, chemistry, hydrogeology and other sciences.

Appropriate Technology for the Treatment of Wastewaters for Small Rural Communities. Report on a WHO meeting (Lyon, 1982)

EURO Reports and Studies, No. 90, 1985, 62 pages (E, F)
ISBN 92 890 1256 0 Sw.fr. 8.-

A report designed to guide the selection, technical construction, and maintenance of wastewater treatment systems best suited to the needs of small rural communities. Main chapters cover conventional sanitation systems, technical options for on-site waste disposal, and quality control requirements that should be met in the treatment of effluents, especially from the health standpoint. Also included is a chapter examining problems in the operation of treatment plants and in the training of staff who must assume responsibility for the efficient function, without interruption, of a selected system.

Solid Waste Management. Selected Topics

edited by Michael J. Succs

Nonserial publication of the WHO Regional Office for Europe

1985, 210 pages (E only)

ISBN 92 890 1023 1

Sw.fr. 15.-

A collection of four state-of-the-art reviews covering available technologies for the treatment and disposal of solid wastes.

La technologie appropriée de déminéralisation de l'eau potable. Rapport sur un séminaire de l'OMS (Alger, 1981)

Nonserial publication of the WHO Regional Office for Europe

1985, 189 pages (F only)

ISBN 92 890 2012 1

Sw.fr. 16.-

Training of Sanitary Engineers in Europe

edited by Robert B. Dean

Nonserial publication of the WHO Regional Office for Europe

1985, 198 pages (E only)

ISBN 92 890 1022 3

Sw.fr. 16.-

A directory of European academic institutes offering training in sanitary engineering. Designed to aid the qualification of professionals attracted to this discipline, the book provides a country-by-country introduction to educational opportunities, including details on admission requirements, language of instruction, credits, and degrees offered by all relevant institutes within a given country.

Standard model designs for rural water supplies

Non serial publication of the WHO Regional Office for Europe

1986, 235 pages, illustrated (E only)

ISBN 92 890 1030 4

Sw.fr. 60.-

This publication presents, in easily interpreted forms, a series of designs for the different units in a water supply system. The designs are intended to be used by small water enterprises or medium sized municipalities to prepare their own schemes with the maximum use of their own engineering and technical capabilities.

Management of Solid Wastes in Developing Countries

by F. Flintoff

WHO Regional Publications, South-East Asia Series, No. 1, 1976; 244 pages,

illustrated (E only)

ISBN 92 9022 101 1

Sw.fr. 20.-

This book is designed primarily to guide Indian municipal officers who are responsible for the collection and disposal of solid wastes. Its orientation has been influenced, however, by experience gained during numerous assignments in various developing countries.

Typical Designs for Engineering Components in Rural Water Supply
WHO Regional Publications, South-East Asia Series, No. 2, 1976; 49 pages,
illustrated (E only)
ISBN 92 9022 102 X Sw.fr. 30.-

This volume of drawings is the result of a study made in the South East Asian Region and of a careful selection of typical designs which have been used successfully for supplying water from a variety of surface and groundwater sources.

Community Water Supply and Excreta Disposal in South-East Asia
WHO Regional Publications, South-East Asia Series, No. 4, 1977; 84 pages
(E only)
ISBN 92 9022 104 6 Sw.fr. 6.-

The present document is an in-depth review of the "state of the art" of community water supply and sanitation in the South East Asian Region, to assist countries in taking stock of their situations and reorienting their policies and programmes.

Low-cost Water Supply and Sanitation Technology: Pollution and health problems
SEARO Regional Health Papers, No. 4, 1984; (E only)
ISBN 92 9022 173 9

In many developing countries, low cost and simple technologies have generally been found "appropriate" and are being adopted on an increasing scale. Their simplicity and dispersed nature, however, can lead to poor construction and lack of maintenance at the community level. The objective of this publication is to stimulate greater awareness of the health aspects of these technologies.

Achieving Success in Community Water Supply and Sanitation Projects
SEARO Regional Health Papers, No. 9, 1985, 67 pages (E only)
ISBN 92 9022 178 X Sw.fr. 4.-

A problems-oriented manual designed to help planners achieve success in community water supply and sanitation projects in developing parts of the world. Based on local case studies conducted in nine Southeast Asian countries, the book presents a six-step procedure for use in designing projects that are not only technically correct and feasible but accepted and used by the community. Emphasis is placed on the use of community education and participation as a means of reducing the conceptual gap between people and planners, a problem identified as a major cause of failure in previous community projects.

II. C W S D O C U M E N T S

GENERAL

Strategy for WHO's participation in the International Drinking Water and Sanitation Decade

1982, 7 pages (E, F)
EHE/82.29 Rev.1

This document is the outcome of a WHO interregional meeting on WHO's role in the International Drinking Water Supply and Sanitation Decade (Geneva, 12 - 16 October 1981).

The International Drinking Water Supply and Sanitation Decade. Selected reference documents on programme planning, management, operations and evaluation.

1983, 3 pages (E, F)
ETS/83.4

Short bibliography.

Monitoring the implementation of the strategy for WHO's participation in the International Drinking Water Supply and Sanitation Decade. Report of an interregional meeting, Alexandria, 20-24 November 1983

1983, 41 pages (E only)

This report summarizes the deliberations of the meeting and draws certain conclusions with regard to the progress being made in the implementation of WHO's programme of support to countries in their Decade activities.

The International Drinking Water Supply and Sanitation Decade and its implications in the light of the first three years of its implementation.

Report of a WHO consultation, Geneva, 25 June-2 July 1984

1984, 25 pages (E only)
WHO/CWS/84.1

The consultation was convened to (1) support IDWSSD efforts of Member States by reiterating the meaning of the Decade and (2) provide improved concepts and tools to WHO for promotion of the Decade with Member States and International Support Agencies.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

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Monitoring and evaluating the strategy for WHO's participation in the International Drinking Water Supply and Sanitation Decade.

Report on an interregional meeting, Lima, Peru, 2-7 December 1985
1986, 29 pages (E only)
CWS/86.1

The report evaluates the progress made in the principal areas of WHO activity and an attempt is made to identify what should be the changes of approach to be adopted in the remaining half of the Decade.

International Drinking Water Supply and Sanitation Decade. Mid-Decade Progress Review. Report by the Director-General
1986, 21 pages (E, F, S)
A39/11

This report reviews developments and proposes action by Member States, the external support agencies and the Organization in the five years to the end of the Decade.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

COOPERATIVE PROGRAMMES

WHO cooperative programmes. Main features and record of work
1983, 13 pages (E, F)
ETS/83.3

This document presents briefly the WHO cooperative activities in the field of drinking water and sanitation in the framework of the Decade.

Country Decade programmes. Review and perspective
1983, 13 pages (E, F)
ETS/83.5

The present paper reviews the activities towards Decade programmes that have been undertaken under various WHO cooperative programmes. It is based on a critical analysis of fifteen country plans.

WHO/SIDA cooperation in Africa
1984, 30 pages (E only)
WHO/CWS/ETS/84.1

This report deals with the evolution of the WHO/SIDA programme, which made available advisory services for Decade planning, production of material and human resources development. Nine African countries participated: Botswana, Ethiopia, Kenya, Lesotho, Malawi, Mozambique, Swaziland, Uganda and Zambia.

A review of the WHO/World Bank cooperative programme in community water supply and sanitation (1971-1984)
1985, 40 p. (E only)
WHO/CWS/85.1

This report reviews the WHO/World Bank cooperative programme on water supply and sanitation. The cooperative programme was launched in 1971 and terminated in 1984. It aimed to promote health and socioeconomic development through the pooling of WHO and the World Bank resources for the development of community water supply and sanitation.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

CWS (CWS/ETS) SERIES OF COOPERATIVE ACTION FOR THE DECADE

Project and Programme Information System

Publication No. 1; 1st ed. 1981; revised ed. 1983; 23 p. illustrated
(E, F) (out of print)

This booklet presents the main guidelines for utilization of project data sheets in the identification of projects for external funding.

National and Global Monitoring of Water Supply and Sanitation

Publication No. 2; 1982; 40 p.; illustrated (E, F, S) (out of print)

The purpose of this publication is to describe the main aspects of national monitoring of water supply and sanitation and relate them to the ongoing global monitoring entrusted to WHO.

Catalogue of External Support

Publication No. 3 (superseded by publication No. 7 - see below).

Behind the Statistics. (An overview of national baselines and targets)

Publication No. 4; 1984; 26 p.; illustrated (E only)

This booklet is an interpretation of statistical data contained in the WHO Publication "Review of National Baseline Data" (see p. 8).

Action Lines '84

Publication No. 5; 1984; 18 p.; illustrated (E, S)

This booklet outlines the major conclusions of WHO consultation on the implications of the first three years of the IDWSSD for the developing countries, for the external support community in general and for the WHO in particular.

Minimum Evaluation Procedure (MEP) for Water Supply and Sanitation projects

Publication No. 6; 1985; 14 p.; illustrated (E only).

This booklet describes in an abbreviated manner a relatively low-cost, simple and quick method of evaluating water supply and sanitation projects.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

Catalogue of External Support

Publication No. 7 (supersedes publication No. 3); 1985; 466 p.; (E, F in print). (The Spanish edition is in preparation and will be available from CEPIS, Casilla 4337, Lima 100, Peru).

The Catalogue is principally a dossier of statements relating to assistance for the drinking water supply and sanitation sector made by various donor agencies, banks and funds, international organizations, voluntary service and non governmental organizations.

~~The International Drinking Water Supply and Sanitation Decade. Review of national progress (as at December 1983)
1988, 181 pages (E ; F and S in preparation)~~

~~This document presents data on the status of water supply and sanitation services in developing countries in December 1983. Read alongside WHO Offset Publication No. 85 "Review of National Baseline Data (as at December 1980)", it indicates the progress achieved during the first three years of the International Drinking Water Supply and Sanitation Decade, and adjustments which have been made to the Decade targets in those countries which have made changes.~~

~~see also on this subject:~~

~~The International Drinking Water Supply and Sanitation Decade Directory (2nd edition)~~

~~1984, 411 pages (E only)
published by the World Water Magazine from information provided by the World Health Organization.~~

~~The aim of the Directory is to provide a link between those in need of technical or financial assistance and those with the means to provide such assistance. This edition contains entries for 136 developing countries and policy statements from almost 100 external support agencies. A new edition of the Directory will be published in 1987.~~

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

HUMAN RESOURCES DEVELOPMENT AND COMMUNITY PARTICIPATION

Caribbean Basin Water Management Project. Instructor's manual and planning guide for training of trainers. A series of three 20-hour workshops
1978, 435 pages (E only)

The manual provides a complete package of three 20-hour workshops. The objective of this document is to provide personnel already technically trained, with the necessary communication skills and instructional techniques required, to assist with or carry out training at their own utility as well as to assist with instructional programmes in their specialities at other locations.

Caribbean Basin Water Management Project. A guide for training manual developers
1980, 200 pages (E only)

A primary concern of the Caribbean Basin Water Management Project is the training of water utility personnel. In order to achieve the type of training which the project considers desirable (i.e. the systematic development of attitudes, knowledge and skills necessary for an individual to satisfactorily perform a given task or job), performance-oriented materials must be used. The purpose of this manual is to teach local water utility employees to develop such materials.

Basic strategy document on human resources development
1982, 48 pages (E, F, Ar)
EHE/82.35

In developing countries, lack of enough people with adequate skills has been a major constraint to better sectoral performance, and for this reason, human resource development has been given high priority during the Decade. The purpose of the Basic Strategy Document is to serve as an outline guide to Decade HRD strategies and approaches for national and international agencies.

The International Drinking Water Supply and Sanitation Decade. Decade information: Human Resources Development
1982, 3 pages (E only)
EHE/ 82.38

An information sheet written for the International Drinking Water Supply and Sanitation decade (1981 - 1990). The paper provides outline information about the Basic Strategy Document on Human Resources Development.

Briefing notes. Basic strategy document on human resources development
1982, 61 pages (E only, out of print)
EHE/82.39

The briefing notes contain a presentation of the Basic Strategy Document and of its purpose and some guidelines for its use.

Human Resources Development
1984, 4 pages (E only)
CWS/INF/84.8

Paper written for the Consultation on the International Drinking Water Supply and Sanitation Decade and its implications in the light of the past three years of its implementation. The background, HRD situation analysis and prospects for the future are discussed.

Training of trainers: a case study in Human Resources Development
1984, 13 pages (E only)
WHO/CWS/ETS/84.13

This document presents the experience and results of a training of trainers course for water supply and sanitation supervisory/managerial personnel in ten Eastern Caribbean countries.

Human resources development handbook. Guidelines for ministries and agencies responsible for water supply and sanitation
edited by Neil Carefoot and Howard Gibson
1984, 228 pages (Ar, E, F, S, Turkish)
WHO/CWS/ETS/84.3

(The Arabic, Spanish and Turkish editions are available respectively from the Regional Office of the World Health Organization for the Eastern Mediterranean, P.O. Box 1517, Alexandria, Egypt, the Pan American Sanitary Bureau, Regional Office of the World Health Organization, Washington, D.C. 20037, U.S.A. and the Regional Office of the World Health Organization for Europe, 8, Scherfigsvej, 2100 Copenhagen, Denmark).

This handbook is designed as a practical guide to implementing Human Resources Development). Its purpose is threefold: 1) to clarify the HRD concepts in current use; 2) to show how these concepts can be applied to organizations operating in water supply and sanitation; and 3) to guide water supply and sanitation agencies/ministries toward a more systematic approach to HRD and away from ad hoc actions.

CWS/87.2
March 1987
page 24

Women, Water and Sanitation
1985, 39 pages (E, F)

This booklet is intended to persuade women and women's organizations to take an active part in programmes that will ultimately make water and sanitation available to all: children, women and men alike.

People first, water and sanitation later. Community partnership in the International Decade
1987, 38 pages (E only)
WHO/CWS/87.3

This document starts with a look at the sources and implications of the International Drinking Water Supply and Sanitation Decade, declarations of and policy intentions, given the present planning, organizational, administrative, political and economic situations. It then turns to the challenge of involving communities and creating the mechanisms and necessary personnel to forge partnership.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

INSTITUTIONAL DEVELOPMENT

Republic of Costa Rica: water supply and sewerage tariff study
WHO/The World Bank Cooperative Programme
1980, 25 pages (E only)

This report, which was used in tariff legislation reforms, contains, in 10 tables, a method of analysis and projection of the financial statements of water utilities including supporting data on demand for community water supply and sanitation services and relevant projections of investment and recurrent costs.

Republic of Terrania: a case study on the economic and financial aspects of programmes and projects in the drinking water supply and sanitation sector
1980, p.v. (E, F)

This publication, which has been used principally in workshops, contains a fictitious case study with five principal problem statements (nationwide planning, preparation of a rural water supply project, financial impact, tariff study, economic evaluation), a methodology for solving each of these problems, and broad guidelines for solutions. More recent versions (WHO/CWS/85.5 - out of print - and WHO/CWS/86.10) deal with the institutional development aspects of the CWS sector in the same fictitious Terrania context.

Tariff structures in water supply
by Louis Laugerl
1982, 6 pages (E, F, S)
ETS/82.2

The purpose of this review is to describe some of the most common features of water rates based on direct experience acquired in some fifty developing countries, and from more limited experience, and some reading knowledge, of tariff practices in developed countries.

Institutional development in community water supply and sanitation: case studies and issue papers
1985, 120 pages (E, F)
WHO/CWS/85.5

This document contains a fictitious case study (The Republic of Terrania), an analysis of the issues which it illustrates and summaries of real country cases showing the importance and relevance of these constraints and methods which have been used to overcome them.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

National institutional development for water supply and sanitation. Report of an informal consultation, New-Delhi, 24-28 June 1985
(Available from the Regional Office for South East Asia, World Health House, Indraprastha Estate, Gandhi Road, New Delhi 110002, India).

Institutional development in community water supply and sanitation. Report of an informal consultation, 18-22 November 1985
1986, 24 pages (E, F)
WHO/CWS/86.4

The objectives of the consultation were to review the situation in institutional development in community water supply and sanitation, half-way through the International Drinking Water Supply and Sanitation Decade; to identify the constraints which have hampered the development of national institutions; and to recommend actions and formulate plans for the gradual removal or reduction of identified constraints.

Institutional development in community water supply and sanitation
CWS/86.9 (in print)

On the basis of the recommendations of various WHO consultations, this paper describes methods for institutional reviews, institutional development planning, constraints identification and conduct of institutional development programmes. These include the design of a decentralized institutional framework and the organization of resources transfers, the organization of intersectoral cooperation, the promotion of community motivation and involvement, human resources development and institutional implications of technology choices. The discussion of issues is illustrated by numerous abstracts from case studies from 50 developing countries. Document 86.10 (below) is to be used as a companion document to 86.9.

Institutional development in community water supply and sanitation. Themes and questions
1986, 50 pages (E, F)
CWS/86.10

This document contains a fictitious case study (the Republic of Terrania) which describes the major themes of institutional development (e.g. decentralization, intersectoral cooperation, coordination, human resources development); each theme is illustrated by questions (for use in workshops and seminars); some answers are proposed in the companion document 86.9 (above).

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

Manuel d'investissement. Analyse économique et financière des projets
d'approvisionnement en eau potable
1986, 50 pages (F only)

Doc. 14/ONEP/MOR/86

(Available from the Regional Office of the World Health Organization for
Europe, 8, Scherfigsvej, 2100 Copenhagen, Denmark)

This manual, originally prepared for the professional staff, and
specifically for the engineers and technical agents of the Division
"Planification et Développement" of ONEP (Office National de l'Eau
Potable) of Morocco, provides guidance for the collection, analysis,
assessment and presentation of economic and financial aspects of projects.

OPERATION AND MAINTENANCE

Rural water supply. Operation and maintenance. Eight questions to ask
1983, 15 pages (E, F, S)
ETS/83.9

This paper has been prepared to draw attention to the variety of factors which can influence operation and maintenance. Attention is focused on the operation and maintenance of rural water supply facilities as this area is of prime interest to WHO and to the Governments and external agencies concerned with rural water supply development.

Preventive maintenance of rural water supplies
1984, 36 pages (E, F)
WHO/CWS/ETS/84.11

Preventive maintenance is considered to be a systematic and periodic maintenance procedure applied to the components of a system in order to minimize breakdowns, ensure their efficient working and prolong their respective lives. In this paper, the attention is focused on rural water supply, i.e. one which employs the most simple technology possible, and supplies communities which are not commonly self sufficient in their technical or financial support of the system.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

PLANNING, MONITORING, EVALUATION

International Drinking Water Supply and Sanitation Decade. Manual for planners

1982, WHO/ETS (E, F) (out of print)

The purpose of this manual is to serve national and international planners to help National Decade Committees and their technical teams in their work, to encourage a common approach and highlight good examples for replication, for use in practice and training.

Minimum Evaluation Procedure (MEP) for water and sanitation projects

1983, 51 pages (E, F)
ETS/83.1 - CDD/OPR/83.1

This document describes a relatively cheap, simple and quick method of evaluating water supply and sanitation projects. The guidelines are directed primarily towards managers of water supply and sanitation programmes in Member countries.

International Drinking Water and Sanitation Decade. Technical cooperation between developing countries. National Decade experiences.

The lessons to be learned from a particular national planning exercise, whilst probably not applicable in their entirety to the situation elsewhere, can nevertheless contain valuable guidance for others. The WHO in pursuit of its policy of encouraging technical cooperation between developing countries, has cooperated with a number of national authors in the preparation of a series of papers, each describing the process adopted for Decade planning in a particular national context:

Processus de planification et réalisations au Bénin
1984, 14 pages (F only)
WHO/CWS/ETS/84.4

The process of planning and implementation in India
1984, 15 pages (E only)
WHO/CWS/ETS/84.5

The process of planning and implementation in Somalia
1984, 15 pages (E only)
WHO/CWS/ETS/84.6

The process of planning and implementation in Nepal
1984, 16 pages (E only)
WHO/CWS/ETS/84.7

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

The process of planning and implementation in the Philippines
1984, 16 pages (E only)
WHO/CWS/ETS/84.8

Processus de planification et réalisations au Maroc
1985, 19 pages (F only)
WHO/CWS/85.4

Guiding principles for national monitoring of the water supply and sanitation
sector

1986, 14 pages (E, S ; F in preparation)
WHO/CWS/86.6

These guidelines are designed to assist national authorities in creating
and maintaining a regular mechanism for monitoring the water supply and
sanitation sector.

RESOURCE MOBILIZATION

A global effort has been undertaken in connection with the International Drinking Water Supply and Sanitation Decade to improve the water supply and sanitation sector coordination among external support agencies, to define the key issues hampering the progress of the sector's development and to seek possible solutions to overcome them. During 1984-1986 a number of consultations among External Support Agencies (ESAs) took place with the purpose of coordinating external support activities at global and regional levels during the Decade. The first one, hosted by the Federal Republic of Germany took place at Königswinter, in October 1984, and was followed by the first sector consultation at OECD/DAC in May 1985.

Regional External Support Consultations have followed as part of this effort. Their purpose is to provide a forum for dialogue between selected nationals closely associated with the sector, and the external support agencies. Regional Resource Mobilization Profiles, prepared in connection with these consultations provide an overall overview of the water supply and sanitation situation in the Regions, including present levels of services, past funding patterns, resource requirements and, particularly the role that the external support agencies may play in the future development of the sector.

The Decade Consultative Meetings (DCMs) organized and conducted by the countries themselves, are an opportunity for the Governments to inform the external community of their national policies and to present realistic, Decade oriented Plans; they provide a setting for an extensive dialogue to take place between national sector agencies and external support agencies likely to be associated with the development of the sector. The Country Mobilization Profiles are background documents for Decade Consultative Meetings. They contain an analysis of the sources of funds employed within the sector during the past few years and indicate the extent of known internal and external funding available to meet current and future requirements for developing and maintaining the sector.

Global and Regional Consultations

WHO/BMZ European Donor Consultation. Report by the secretariat.*
Königswinter/Rhein, 16-17 October 1984.
1985, 75 pages (E only)

* Prepared within the WHO/GTZ Interregional Cooperative Programme.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

Report on Asia Regional External Support Consultation in connection with the International Drinking Water Supply and Sanitation Decade. Manila,*
21-25 October 1985
1986, 68 pages (E only)
CWS/86.2

Asia. Regional resource mobilization profile*
1985, 15 pages, 9 tabl. (E only)
CWS/86.8

Report on Africa Regional External Support Consultation in connection with the International Drinking Water Supply and Sanitation Decade, Abidjan,
25-29 November 1985*
1986, 74 pages (E, F)
CWS/86.3

Africa. Regional resource mobilization profile*
1986, 25 pages (E,F)
CWS/86.7

Report on Americas Regional External Support Consultation in connection with the International Drinking Water Supply and Sanitation Decade,
Washington D.C., 21-24 April 1986*
1986 (in preparation)
(This document will be available from the Pan American Sanitary Bureau,
Regional Office of the World Health Organization for the Americas,
Washington D.C., U.S.A.)

Americas. Regional resource mobilization profile*
1986, 23 pages, 18 tabl. (E only)
(Available from the Pan American Sanitary Bureau, Regional Office of the
World Health Organization for the Americas, Washington D.C., U.S.A.)

Water supply and sanitation global sector development concepts*
1986, 7 pages (E only)
CWS/86.12

This document summarizes the collective views expressed by external
support agencies during international meetings held in 1984, 1985 and 1986.

* Prepared within the WHO/GTZ Interregional Cooperative Programme.

Country specific information

International Drinking Water Supply and Sanitation Decade Exploratory Consultation, Rabat, 19-20 April 1983. Summary report

1983, 2 pages (E,F)

MOR/BSM 004 (5)

(Available from the Regional Office for Europe, 8 Scherfigsvvej, 2100 Copenhagen O, Denmark)

Benin. Résumé et commentaires concernant le plan de développement (décennal) du secteur approvisionnement en eau potable et assainissement*

1984, 9 pages (F only)

Burkina Faso. Résumé et commentaires concernant le plan de développement (décennal) du secteur approvisionnement en eau potable et assainissement (AEPA) et projets prioritaires*

1984, 8 pages (F only)

Burundi. Résumé et commentaires concernant le plan de développement (décennal) du secteur approvisionnement en eau potable et assainissement (AEPA) et projets prioritaires*

1984, 11 pages (F only)

Niger. Résumé et commentaires concernant le plan de développement (décennal) du secteur approvisionnement en eau potable et assainissement (AEPA) et projets prioritaires*

1984, 8 pages (F only)

Rwanda. Résumé et commentaires concernant le plan de développement (décennal) du secteur approvisionnement en eau potable et assainissement (AEPA)*

1984, 9 pages (F only)

Somalia. Summary and comments on the water supply and sanitation sector development plan and priority projects*

1984, 12 pages (E only)

Togo. Résumé et commentaires concernant le plan de développement (décennal) du secteur approvisionnement en eau potable et assainissement (AEPA) et projets prioritaires*

1984, 12 pages (F only)

* Prepared within the WHO/GTZ Interregional Cooperative Programme.

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Indonesia. Summary and comments on the water supply and sanitation sector development plan and priority projects*
1985, 13 pages (E only)

Lesotho. Resource mobilization profile*
1985, 14 pages (E only; out of print)

Lesotho. Report on donor consultative meeting, 11-13 June 1985*
(in preparation)

Burkina Faso. Resource mobilization profile*
1986, 23 pages (E,F)

Indonesia. Resource mobilization profile* (draft)
1986, 18 pages (E only)

Nepal. Resource mobilization profile*
1986, 48 pages (E only)

Nepal. Report on Decade Consultative Meeting, Kathmandu, May 1986*
1986, 54 pages (E only)
CWS/86.11 (out of print)

Guidelines

Promotion of water supply and sanitation development. Regional external support consultations and Decade consultative meetings.*
1985, 7 pages (E, F, S)

Guidelines for the preparation and organization of a Decade Consultative Meeting*
1986, 35 pages (E only)
CWS/86.14

* Prepared within the WHO/GTZ Interregional Cooperative Programme.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

WATER AND HEALTH

Safe water supply and basic sanitation: an element of primary health care.
A review of tasks at the home, communal and first referral levels
1982, 18 pages (E, F)
EHE/32.31

This document has been prepared to provide additional and more detailed guidance materials on those elements of the Decade approach concerned with the provision of health and related information to individuals and families.

Benefits to health of safe and adequate drinking water and sanitary disposal of human wastes. Imperative considerations for the International Drinking Water Supply and Sanitation Decade.
1982, 19 pages (E, F)
EHE/82.32

This document examines the health benefits which, given the right conditions, may be achieved, and discusses the means by which the benefits may be maximized.

Maximizing benefits to health. An appraisal methodology for water supply and sanitation projects
1983, 45 pages (E, F, S)
ETS/83.7

This document considers the aspects that must be taken into account if maximum benefits are to result from investments in water supply and sanitation. A methodology is proposed which provides a quantitative result to assist in the selection of projects which have the greatest potential for success.

Adequate supply of safe water and basic sanitation in relation to the goal of health for all and primary health care: review and evaluation.
Selected reports on country level experience
1984, 81 pages (E only)
CWS/EHE/84.1

This document is a compilation of 10 reports considered to be significant examples of water supply and sanitation activities at the country level in which WHO's collaborative efforts can be highlighted.

Note: The above documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

Measuring the impact of water supply and sanitation facilities on diarrhoea morbidity: prospects for case control methods

1985, 71 pages (E only)
WHO/CWS/85.3 - WHO/CDD/OPR/85.1

In the present paper, diarrhoea morbidity has been selected as the health impact measure of the health impact evaluation of a water and sanitation project. The options in choosing a study design for such an impact evaluation are outlined, the experience with different designs is discussed briefly, and a hitherto untried case-control method is proposed. An example of application is given in "Water and health in rural Malawi", by B. Young and J. Briscoe, for the USAID Mission to the Republic of Malawi, February 1986.

I I I - S T A F F P A P E R S

HUMAN RESOURCES DEVELOPMENT

Waterworks training. A Caribbean perspective. Paper presented to a World Bank seminar on training.

by N.F. Carefoot
1981, 55 pages (E only)

Review of the CBWM project, July 1975 to October 1981. Paper presented to the 12th Annual Caribbean Water Engineers' Conference

by N.F. Carefoot
1981, 16 pages (E only)

Human resources development. Paper presented at a seminar (17-21 January 1983) in Bolkesjø, Norway

by N.F. Carefoot
1983, 18 pages (E only)

The Need for training?. Paper presented at the World Water Conference (July 1983) in London

by N.F. Carefoot
1983, (E only)

Leadership for the Water Supply and Sanitation Decade

by N.F. Carefoot and Alfonso Mejia
1983, 11 pages (E only)

Training only part of the answer

by N.F. Carefoot and H. Gibson
1984, 3 pages (E only)

HRD in the implementation process. Paper presented to a seminar (February 1986) in Arusha, Tanzania

by N.F. Carefoot
1986, 7 pages (E only)

Human resources development for the International Drinking Water Supply and Sanitation Decade. Contribution to a book entitled "Developing World Water"

by N.F. Carefoot
1986, 4 pages (E only)

Note: The above mentioned documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

INSTITUTIONAL DEVELOPMENT - PLANNING

The need for a strategy for rural water supply
by I. Ahman, Journal of the Association of Engineers and architects in
Israel, No.11, 1980, pp. 54-64

Guide for formulation of water supply and sanitation projects
by M.S. Suleiman
1983, 151 pages (E only)

Institutional aspects of the water supply and sanitation sector. Proposal
for the outline of a model for the analysis of alternative institutional
arrangements.

by L. Laugeri
1981, 38 pages (E only)

The International Water Supply and Sanitation Decade. Utilization of the
concept of project replicability in planning and in preparation of
sub-programmes for the rural water supply subsector.

by L. Laugeri
1981, 2 pages (E only)

The Water Decade as a challenge to intersectoral action for health: some
institutional, financial and economic considerations and examples

by L. Laugeri
1982, 5 pages (E only)

Cadre institutionnel et modalités de financement du secteur de
l'approvisionnement en eau potable (AEP) et de l'assainissement en milieu
rural - Schéma de travail et étude de cas. Colloque international sur
l'approvisionnement en eau potable et l'assainissement en zones rurales,
Kasserine (Tunisie), 23-26 Nov. 1982.

by L. Laugeri
1982, 5 pages (F only)

Planification des eaux en zones arides et semi-arides: Évaluation et
projection de la demande en eau pour l'utilisation domestique, municipale et
industrielle, CÉFIGRE, Sophia-Antipolis (France)

by L. Laugeri
1982, 7 pages (F only)

Viabilité des plans, programmes et projets du secteur de l'approvisionnement en eau potable et de l'assainissement. Séminaire sur l'identification, la mise en oeuvre et le financement des projets dans le domaine de l'approvisionnement en eau potable et de l'assainissement, Dakar (Sénégal), 9 - 20 Avril 1984, CEFIGRE, EDI.

by L. Laugeri
1984, 15 pages (F only)

Feasibility and justification of urban sanitation development plans, programmes and projects. Seminar on urban sanitation, CEFIGRE, Sophia-Antipolis (France), 10 September - 11 November 1984

by L. Laugeri
1984, 6 pages (E, F)

Intersectoral action for health with respect to community water supply and sanitation and primary health care: role of National Action Committees

by L. Laugeri
1985, 3 pages (E only)

Coopération intersectorielle au Service de la Santé. Interventions des agences de santé publique et d'approvisionnement en eau potable au milieu rural sahélien. Étude de cas au Burkina Faso

by L. Laugeri
1985, 4 pages (F only)

Planning and development in urban sanitation. Outline of a course on urban sanitation, CEFIGRE, Sophia-Antipolis (France), 4-5 November 1985

by V. Pinto
1985, 16 pages (E only)

Institutional aspects of preventive maintenance programmes. Regional seminar on Preventive Maintenance of Piped Water Supply Systems, 22-27 March 1986, Center for Environmental Health Activities, Amman (Jordan)

by L. Laugeri
1986, 32 pages (E only)

Feasibility and justification of urban sanitation development plans, programmes and projects. Intercountry workshop on Acceleration of National Programmes of Sanitary Disposal of Human Excreta, WHO SEARO, New Delhi, 27-31 October 1986.

by L. Laugeri
1986, 6 pages (E only)

Note: The above mentioned documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

Planification de l'alimentation en eau potable en milieu urbain. Session de formation sur l'élaboration des schémas directeurs d'alimentation en eau potable en milieu urbain, CEFIGRE, Sophia-Antipolis (France), 1-19 December 1986

by L. Laugeri
1986, 23 pages (F only)

WHO collaboration on national sector planning for water supply and sanitation

by M.S. Suleiman
1986, 14 pages (E only)

Selected financial and institutional aspects of community water supply and sanitation. Summary. World Bank Water Supply and Urban Development Staff Seminar, Hot Springs, Virginia, 6-9 January 1987

by L. Laugeri
1987, 8 pages (E only)

INTERNATIONAL DRINKING-WATER SUPPLY AND SANITATION DECADE

The Decade in Europe

by G. Watters
World Health, August-September 1982, pp. 9-11

The water Decade - Half-way. Council of Ministers of the Union of African Water Suppliers, Libreville (Gabon), 1985

by L. Laugeri
23 pages (F, E)

The Decade at half-time

by G. Watters
World Health, December 1986, pp. 27-29

The International Drinking-Water and Sanitation Decade

by G. Watters
Reprint from World Health Statistics Annual, 1985

WATER AND HEALTH

WHO guidelines for drinking water quality. Paper presented at the International Water Supply Association Congress, 6-10 September 1982, Zurich (Switzerland)

by H. Galal Gorchev and G. Ozolina
1982, 10 pages (E, F, S)

Drinking-water quality and health. Paper presented at the Seminar on Drinking-water Quality Standards, Khartoum (Sudan).
by H. Galal Gorchev
1986, 9 pages (E only)

Safe drinking-water for small communities. Paper presented at the Inter-Country Workshop on Low-Cost Water Supply and Sanitation Options, Amman (Jordan).
by H. Galal Gorchev
1986, 6 pages (E only)

Setting national drinking-water standards. Paper presented to a national inter-agency committee, Amann, to develop drinking-water standards for Jordan.
by H. Galal Gorchev
1986, 6 pages (E only)

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Note: The above mentioned documents are only available from the CWS Unit, WHO, 1211 Geneva 27. They cannot be ordered through the booktrade or the network of WHO sales agents.

A B B R E V I A T I O N S A N D A C R O N Y M S

BMZ	Bundesministerium für Wirtschaftliche Zusammenarbeit (German Federal Ministry for Economic Cooperation)
CBWM	Carribean Basin Water Management
CDD	Diarrhoeal Diseases Control
CWS	Community Water Supply and Sanitation
DCM	Decade Consultative Meeting
EHE	Environmental Health
EMRO	WHO Regional Office for the Eastern Mediterranean, Alexandria
ESA	External Support Agency
ETS	Environmental Health Technology and Support
EURO	WHO Regional Office for Europe, Copenhagen
GWS	Global Promotion and Cooperation for Water Supply and Sanitation
HRD	Human Resources Development
IDWSSD	International Drinking Water Supply and Sanitation Decade
SIDA	Swedish International Development Agency
WHO	World Health Organization