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COMMUNITY WATER SUPPLY AND SANITATION
Publications and Documents

Geneva
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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 - TECHNICAL DOCUMENTS

Here are presented the documents produced by the Community Water Supply and Sanitation Unit (and the previous ETS and CWS 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This new section includes papers (most of them unpublished) prepared by WHO staff members on various occasions: conferences, meetings, training courses etc...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:

A = Arabic; E = English; F = French; R = Russian; S = Spanish; P = Portuguese

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:

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Division of Environmental Health
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C O N T E N T S

	<u>Pages</u>
I - W H O PUBLICATIONS	1 - 16
Non Serial	1 - 3
Monographs	4 - 5
Public Health Papers	6
Technical Report Series	7 - 8
WHO Offset Publications	9
Periodicals	10
Regional Publications	11 - 16
II - TECHNICAL DOCUMENTS	17 - 40
General	17 - 18
Community Participation	19
Cooperative Programmes	20
CWS (CWS/ETS) Series of Cooperative Action for the Decade	21 - 22
Human Resources Development	23 - 26
Institutional Development	27 - 29
Operation and maintenance	30
Planning, Monitoring, Evaluation	31 - 32
Resource Mobilization	33 - 37
Water and Health	38 - 39
III - STAFF PAPERS	40 - 44

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 156045 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. Lenoix 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 (E, 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, 1x+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.

Guidelines for the Safe Use of Wastewater and Excreta in Agriculture: Measures for Public Health Protection.

by D. Mara and S. Cairncross

1989, (E underprint, F and S in preparation)

ISBN 92 4 154 248 9

Contains a broad view of the global activities related to the utilization of human wastes as a valuable resource. It includes case studies from several countries as well as recommendations in terms of public health, sociocultural, environmental, economical, managerial and technical aspects of the use of wastewater, sludge and excreta in agriculture and aquaculture.

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, 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, 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)

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 superintendents, 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 (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, R)

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, R)

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.-

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.-

Health Guidelines for the Use of Wastewater in Agriculture and Aquaculture.

Report a WHO Scientific Group (Geneva 1988)

Technical Report Series, N° 778, 1989, 74 pages, (E under print, F and S in preparation)

ISBN 92 4 120 778 7 Sw.fr. 9.-

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)

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.

PERIODICALS

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, at its half-way point and the efforts being made to bring safe water to the whole world.

Water for all - Who pays? World Health Forum.
1987, 8 (4), pp. 453-460.

REGIONAL PUBLICATIONS

Pan American Sanitary Bureau. Regional Office of the WHO

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. Pequenas 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.

* 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 an 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.

Symposio Regional sobre Recursos Humanos para el Decenio Internacional del Agua Potable y del Saneamiento Ambiental *

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

Drinking Water Supply and Sanitary Disposal of Excreta in Marginal Urban Areas. Proceedings of the Symposium held in Santiago, Chile, 5-9 November 1984.

Technical series, 25, 1986, 345 pages (E, S)

A remarkable aspect of the Symposium was the common agreement on the fact that solutions to the problems of water supply and sanitation services in low-income human settlements, require an innovative socio-technical approach, wherein community participation should be understood in its broadest possible sense.

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

Regional Office for the Eastern Mediterranean

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 1517, 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.

Wastewater stabilization ponds. Principles and Practice.

WHO/EMRO Technical Publication, n°10
1987, 138 pages (E only)

The first part of this book is intended for national and local administrators and decision-makers, who are faced with making a choice between competing systems for wastewater treatment. It provides a comprehensive summary concerning the various aspects of constructing, operating and maintaining pond systems. It also considers aspects such as management and safety. The second part is intended for persons making the preliminary designs on which cost estimates and, hence, choice, can be made. It is expected that architects or engineers with only little experience in the field could use the book for this purpose. It will also serve students and their lecturers as a basic yet detailed introduction to the topic.

Regional office for Europe

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. Suess

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, 233 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.

Regional Office for South-East Asia

Management of Solid Wastes in Developing Countries

by P. 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.

TECHNICAL DOCUMENTS

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.

WHO/CWS/89.4
January 1989
page 18

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.

COMMUNITY PARTICIPATION

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.

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 pages. (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.

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

National and Global Monitoring of Water Supply and Sanitation
Publication N°. 2 1982, 40 pages, illustrated (E, F, S)

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.

Behind the Statistics. (An overview of national baselines and targets)
Publication No. 4, 1984, 26 pages, 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 N°. 5, 1984, 18 pages, 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 N° 6, 1985, 14 pages, 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.

Catalogue of External Support
Publication N° 7, 1985, 466 pages (E, F, S). (The Spanish edition is 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.

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 International Drinking Water Supply and Sanitation Decade. Review of national progress (as at December 1983)
1986, 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.

The International Drinking Water Supply and Sanitation Decade. Review of mid-decade progress (as at December 1985)
1987, 218 pages (E only)

This document presents data on the water supply and sanitation services in the six regions of the World Health Organization in December 1985, the mid-point of the IDWSSD. It is based on information provided by 111 countries.

Water Supply and Sanitation for Developing Countries. An International Source-list of Audiovisual Materials.

Publication N° 8, 1987, 78 pages (E only)
WHO/CWS/87.4

Preliminary inventory of available audio-visual materials. The materials listed range from simple posters to multimedia modules. Each entry provides details such as date, duration, available languages, type of audience, name of the distributor, as well a brief outline of the content. Distributors index, titles index and subject index are included.

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

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.

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.

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.

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.

Job-Guides

The "Job-Guides Project is a joint-venture project of the World Health Organization and the Norwegian Agency for International Development (NORAD). Job Guides developed under this projects concentrates on the installation, operation or maintenance of unsophisticated water supply and sanitation equipment in the village setting. They are intended to be used by workers, craftsmen, and/or technicians

Maintenance of the Consallen deepwell handpump
1988, 14 pages (E)
WHO/CWS/88.8

Maintenance of the India Mark II deepwell handpump
1988, 20 pages (E, Swahili)
WHO/CWS/88.9

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.

Operation and maintenance of a horizontal roughing filter and slow sand filter.

1988, 12 pages (E, Swahili).
WHO/CWS/88.10.

Bacteriological analysis of water using the "Sabro" field kit (membrane filter method)

1988, 11 pages. (E only)
WHO/CWS/88.13

Operation and maintenance of the hydraulic ram pump (hydram)

1987, 4 pages, (E, Swahili)

Human resources development case studies

The World Health Organization and the Swedish International development Authority (SIDA) are jointly producing a thematic series of case studies focussing on human resources development to both illustrate and document various methods, used in different parts of the World, which aim at improving human performance. Ten case studies will be prepared during this 20 month-project, out of which the following are under print:

Managing the manager

1988, 36 pages (E only)
WHO/CWS/88.18

How the Philippines Water Utilities Administration monitors and supports General Managers of 350 Water Districts scattered all over the country.

Job descriptions prove their worth

1989, (E only)
WHO/CWS/89.1

How a training package was developed during an Organisation-Management-Training project for 11 Indonesian cities and is now being applied nationwide.

Training programme gets a new profile

1989, (E only)
WHO/CWS/89.2

How the Water Resources Institute in Tanzania reshaped its curricula to meet the country's need for skilled technicians

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.

WHO/CWS/89.4

January 1989

page 26

Strategic planning workshop sets development project on its feet

1989. (E only)

WHO/CWS/89.3

How a workshop in Tanzania created the turning point for a
Health-Sanitation-Water 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.

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 Laugeri
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.

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).

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 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
1986, 70 pages (E, F)
CWS/86.9

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).

Cost recovery in community water supply and sanitation. Report of the second informal consultation in institutional development, Geneva, 5-9 October 1987.
1987, 41 pages (E, F)
WHO/CWS/87.5

This consultation dealt principally with transfers of funds. Its general objective was to recommend improvements in CWS financial management in order to extend supplies to an increasing number of beneficiaries generally by collecting more revenue from those already served.

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.

Draft guidelines on cost recovery in community water supply and sanitation. Report of the third informal consultation on institutional development, Geneva, 11-15 April 1988, The Hague, 21-23 June 1988. 1988, 75 pages (E, F)
WHO/CWS/88.7

The objective of the third consultation was to review the recommendations of the second consultation and to prepare in draft form relevant guidance material which would subsequently be submitted to potential users and beneficiaries.

Guidelines for cost recovery by water supply and sewerage agencies, Report of the fourth Consultation on Institutional Development, Geneva, 21 - 25 November 1988, volume I
1989, 28 pages (E, F)
WHO/CWS/89.5 (available July 1989)

Principles and models to achieve sustainable community water supply and to extend household sanitation. Report of the fourth Consultation on Institutional Development, volume II.
1989, 40 pages (E, F)
WHO/CWS/89.6 (available August 1989)

The objective of the fourth consultation was to finalize the cost recovery models and guidelines and to identify follow-up inter-country and country activities.

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.

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.

Presentation for the National Workshop on Solid Waste Management, Cairo, Egypt, 9-11 July 1985
1985, 28 pages, ann. (E only)
(Available from the Regional Office for the Eastern Mediterranean, P.O.Box 1517, Alexandria, Egypt)

Management of solid wastes : a collection of papers presented at the WHO Inter-country Workshop on Solid Waste Management, Damascus, 1983
1986, 222 pages (E only)
WHO-EM/ES/381-F
(Available from the Regional Office for the Eastern Mediterranean, P.O.Box 1517, Alexandria, Egypt)

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

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

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

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

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.

Towards the targets. An overview of progress in the first five years of the International Drinking Water Supply and Sanitation Decade

1988, 15 pages (E only)
WHO/CWS/88.2

This booklet is an interpretation of statistical data contained in the WHO Publication "The International Drinking Water Supply and Sanitation Decade Review of mid-decade progress (as at December 1985)". Analysis and comments are based on data provided by the countries themselves to WHO Global Monitoring system for the IDWSSD.

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)

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

* 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 bookrads or the network of WHO sales agents.

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
(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.)

Global sector concepts for water supply and sanitation.
1987, 16 pages (E only)

The global concepts described in this document have emerged from a series of meetings of multilateral and bilateral donor organizations aimed at improving coordination and resource mobilization activities in support of the IDWSSD.

* 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 bookrads or the network of WHO sales agents.

International Drinking Water Supply and Sanitation Consultation, Interlaken, Switzerland, 13-16 October 1987.

1988, 24 pages (E, F, P)

This consultation was the third and largest in a series of international consultations among support agencies active in the water supply and sanitation sector. The key objective was to carry forward coordinated strategies and resource mobilization activities to the end of the IDWSSD and beyond.

Inter-agency Round Table on Water Supply and Sanitation in Africa, Brazzaville, 15-18 december 1987.

1988, 27 pages, (E, F)

WHO/CWS/88.1

The Brazzaville meeting was the culmination of a long tradition of cooperative efforts in support of the Decade. This inter-agency meeting was an early response to the request of the Interlaken Consultation during which priority was assigned to Africa.

International Meeting on Water Supply and Sanitation Decade Development, Lisbonne, Portugal, 19-22 April 1988.

1988, 10 pages (E only)

WHO/CWS/88.5

This meeting was the occasion of an exchange of information on the situation and the governments policies, programmes and priority projects in the water supply and sanitation sector of the five portuguese-speaking countries of Africa.

Inter-Agency Round Table on Water Supply and Sanitation, Eastern and Southern Africa, Harare, 28-30 November 1988

1989, 22 pages (E, F in preparation)

WHO/CWS/89.9

This meeting was called primarily to address the issue of better coordinating water supply and sanitation sector activities at country level.

Country specific information

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

1984, 9 pages (F 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.

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)

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)

* 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.

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, F, S, P)
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/82.31

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.

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

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)

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, N° 11, 1980, pp. 54-64

Guide for formulation of water supply and sanitation projects

by M.S. Suleiman

1983, 151 pages (E 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)

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. Inter-country 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)

WHO collaboration on national sector planning for water supply and sanitation

by M.S. Suleiman

1986, 14 pages (E only)

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page 42

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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	Caribbean 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