

DOCUMENT RESUME

ED 274 511

SE 047 197

**TITLE** Water Quality Instructional Resources Information System (IRIS): A Compilation of Abstracts to Water Quality and Water Resources Materials, Supplement 26, 1986.

**INSTITUTION** Ohio State Univ., Columbus, Ohio. Information Reference Center for Science, Mathematics, and Environmental Education.

**PUB DATE** Jul 86

**NOTE** 162p.; For Supplement 25, see ED 272 395.

**AVAILABLE FROM** SMEAC Instructional Resources Center, The Ohio State Univ., 1200 Chambers Rd., 3rd Floor, Columbus, OH 43212 (U.S. subscription, \$12.00; \$5.00 each).

**PUB TYPE** Reference Materials - Bibliographies (131)

**EDRS PRICE** MF01/PC07 Plus Postage.

**DESCRIPTORS** \*Audiovisual Aids; Citizen Participation; Environmental Education; Hazardous Materials; Indexes; Information Dissemination; \*Instructional Materials; Pesticides; Postsecondary Education; Sludge; Technology; Waste Disposal; \*Waste Water; Water; Water Pollution; \*Water Quality; \*Water Resources; \*Water Treatment

**ABSTRACT**

Compiled are abstracts and indexes to selected print and non-print materials related to wastewater treatment and water quality education and instruction, as well as materials related to pesticides, hazardous wastes, and public participation. Sources of abstracted/indexed materials include all levels of governmental, private concerns, and educational institutions. Title, author(s), publication date, cross-references, descriptors, and availability are provided for each entry. Procedures are outlined by which instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements of their programs. Also included are an author and subject index. This publication supplements and does not replace "Water Quality Instructional Resources Information System (IRIS): A Compilation of Abstracts to Water Quality and Water Resources" or IRIS Supplements 1-25. (ML)

\*\*\*\*\*  
 \* Reproductions supplied by EDRS are the best that can be made \*  
 \* from the original document. \*  
 \*\*\*\*\*

Prepared by

Environmental Quality Instructional Resources Center  
SMEAC Information Reference Center  
The Ohio State University  
1200 Chambers Road, Room 310  
Columbus, OH 43212

ED274511

WATER QUALITY INSTRUCTIONAL  
RESOURCES INFORMATION SYSTEM (IRIS)

A Compilation of Abstracts to  
Water Quality and Water Resources Materials

Supplement 26, 1986

U.S. DEPARTMENT OF EDUCATION  
Office of Educational Research and Improvement  
EDUCATIONAL RESOURCES INFORMATION  
CENTER (ERIC)

This document has been reproduced as  
received from the person or organization  
originating it.

Minor changes have been made to improve  
reproduction quality.

• Points of view or opinions stated in this docu-  
ment do not necessarily represent official  
OERI position or policy.

"PERMISSION TO REPRODUCE THIS  
MATERIAL HAS BEEN GRANTED BY

B. Howe

July, 1986

TO THE EDUCATIONAL RESOURCES  
INFORMATION CENTER (ERIC)."

BEST COPY AVAILABLE

SE 047 199

## TABLE OF CONTENTS

<u>Topic</u>	<u>Page</u>
Preface	
I. General Information about Materials in IRIS . . . . .	1
A. What Types of Materials Are Included in IRIS . . . . .	1
B. How Are Materials Entered in IRIS . . . . .	1
C. How Can a User Locate Materials in IRIS . . . . .	1
1. All Materials Placed in IRIS (Water) Collection . . . . .	1
2. Materials Placed in the Educational Resources Information System (ERIC) . . . . .	2
II. How to Use the Compilation . . . . .	4
A. Description of Information in Resumes . . . . .	4
B. How to Locate Desired Materials . . . . .	6
1. Subject Index . . . . .	6
2. Author Index . . . . .	7
III. Correcting an Existing IRIS Record . . . . .	7
IV. Requests to Receive Information about IRIS and the <u>IRC Bulletin</u> . . . . .	8
V. Requests for Assistance in Using IRIS . . . . .	8
VI. How to Locate Other Relevant Educational Materials . . . . .	8
VII. How to Order Materials . . . . .	14
VIII. Resume Section . . . . .	17
IX. Author Index . . . . .	71
X. Subject Index . . . . .	75

BEST COPY AVAILABLE

## Preface

This publication contains abstracts and indexes to selected materials related to wastewater treatment and water quality education and instruction. In addition, some materials related to pesticides, hazardous wastes, and public participation are included. Also included are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements in their programs.

Supplements to this publication will be issued periodically.

For further information about these materials contact:

Environmental Quality Instructional Resources Center  
1200 Chambers Road, Room 310  
Columbus, Ohio 43212

(614) 422-6717

I. General Information about Materials in IRIS.

A. What types of materials are included in IRIS?

The Environmental Quality Instructional Resources Center acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction.

Materials selected must be available from some source for announcement. When materials are not readily available we attempt to make the materials available through some national information service for easier acquisition. In a few cases the Environmental Quality Instructional Resources Center is the source of the materials.

B. How are materials entered into IRIS?

We request that people assist us in locating materials for the system. If you have materials you believe to be useful to others, please send two copies if possible to the:

Environmental Quality (EQ) Instructional Resources Center  
1200 Chambers Road, Room 310  
Columbus, Ohio 43212

Materials are reviewed by the project staff. Availability of the materials is checked, and the materials are abstracted and indexed. The abstract describes the contents of the material. The index terms (descriptors) are concepts or terms used to describe the contents and the form of the document. (See the Subject Index for a listing of those that have been used.) The index terms are useful for locating materials manually, such as with this supplement, and also by computer.

When items are processed they are entered on the IRIS (water) computer tape. This tape is maintained by the EQ Instructional Resources Center at The Ohio State University and is used for producing tapes for other information systems, publications, and for computer searches conducted at The Ohio State University.

C. How can a user locate materials in IRIS?

1. All materials placed in IRIS (water) collection.

Materials entered into the IRIS (water) collection can be located in two ways: (1) by manual search of the 1983 compilation and supplements that follow and (2) by computer.

The compilation produced in 1983 includes the original IRIS (1979) and Supplements 1-15. It is available for \$75.00.

Quarterly updates of the compilation are available by subscription on a yearly basis. Information regarding an annual subscription to IRIS (water) Quarterly Compilations can be obtained by writing to the EQ Instructional Resources Center. A subscription to the quarterly supplements for 1985 is \$12.00 (within the U.S.). Price to Canada and Mexico is \$14.00. Prices in other Countries is \$18.00. Separate quarterly supplements are \$5.00 each.

The compilation and the quarterly supplements can be scanned and the subject index can be used for manual searches.

Computer tapes of the IRIS (water) collection can also be searched. The IRIS tapes are available for searching at The Ohio State University and will again be available for computer searching at other sites in the future.

## 2. Materials placed in the Educational Resources Information System (ERIC)

A number of the materials processed for the IRIS (water) system are entered into the ERIC system and announced in Resources in Education (RIE). Resources in Education (RIE) is published monthly and is available from:

Superintendent of Documents  
U.S. Government Printing Office  
Washington, DC 20402  
(202) 783-3238

The current price is listed in the most recent issue of RIE. Check if a college or university library close to you has a copy. If they do not, contact the EQ Instructional Resources Center for assistance.

Many libraries subscribe to RIE. Materials announced in RIE can be searched manually each month by scanning RIE or by checking the index terms in the back of each issue. Materials announced in RIE can be searched by computer also. ERIC computer tapes may be purchased outright, but users can access them through Dialog, BRS, CompuServe and Systems Development Corporation (Orbit). For the address of search services in your state that can search these databases, contact the:

EQ Instructional Resources Center  
1200 Chambers Road, Room 310  
Columbus, Ohio 43212  
(614) 422-6717

Most of the materials announced in RIE are available on microfiche (microfilm) at over 700 sites throughout the United States and the world. Users can view these materials on site at many locations to identify what they believe will be useful to them at no cost. Microfiche copies (or in most cases Xerox copies) can be ordered through the ERIC Document Reproduction Service. The address and order information is in the back of each issue of RIE. Xerox copies of many items related to water quality and resource education and training can also be ordered through the EQ Instructional Resources Center for \$0.06 per page plus \$1.00 per document.

For information about locations of ERIC microfiche sites in your state, contact the EQ Instructional Resources Center.

A number of journal articles processed for the IRIS (water) system are entered into the ERIC system and announced in Current Index to Journals in Education (CIJE).

Current Index to Journals in Education is published monthly and is available from:

ORYX Press  
2214 North Central at Encanto  
Phoenix, Arizona 85004  
(602) 254-6156

Many libraries subscribe to CIJE. Materials announced in CIJE can be searched manually each month by scanning CIJE or by checking the index terms in the back of each issue. Materials announced in CIJE can be searched by computer also. Refer to the previous discussion of RIE concerning computer searches.

Materials announced in CIJE can be located in journals at many university libraries.

Many of the articles can be obtained from University Microfilms. For prices and further information write to:

UMI Article Reprint Department  
300 North Zeeb Road  
Ann Arbor, Michigan 48106  
(800) 521-0600

## II. How to Use the Compilation

### A. Description of Information in Resumes

Each resume is listed by EW number in numerical order in the resume section. Two samples of resumes are provided to explain the data fields in the resumes. Sample resume #1 is a sample resume of an item not entered into ERIC. Sample resume #2 is a sample resume of an item entered into ERIC; a few additional data elements are in these resumes and are explained.

#### 1. Sample resume of materials not entered in ERIC

- a. IRIS NUMBER: EW006023
  - b. PUBLICATION DATE: FEB 81
  - c. TITLE: PROGRAMMED APPROACH TO WATER/MASS ANALYSES.
  - d. PERSONAL AUTHOR: SPENCE, GEORGE R., JR.
  - e. DESCRIPTOR: \*DESIGN; \*ENGINEERING; \*EQUIPMENT; \*MASS BALANCE; \*PROJECT DESIGN; \*POLLUTION ENGINEERING; \*PIPES; \*WATER RESOURCES
  - f. DESCRIPTIVE NOTE: 30-33P.
  - g. ABSTRACT: DURING THE ENGINEERING PHASE OF A PROJECT DESIGN, WATER REQUIREMENTS OFTEN CHANGE AS NEW INFORMATION BECOMES AVAILABLE. THIS ARTICLE DETAILS A PROGRAMMED APPROACH TO CALCULATION OF A WATER/MASS BALANCE WHICH PROVIDES THE USER WITH THE ABILITY TO READILY ASSESS THE IMPACT OF VARYING WATER QUALITIES, FLOW PATTERNS, AND FLOW RATES. THIS INFORMATION IS THEN USED IN DETERMINING PIPE AND EQUIPMENT SIZES.
  - h. AVAILABILITY: POLLUTION ENGINEERING; V13 N2
- a. IRIS NUMBER -- this is the identification number sequentially assigned to materials as they are processed. Gaps in numbers mean that some items have been deleted, are being processed to add new information, or have been delayed in processing for some reason.
  - b. PUBLICATION DATE -- date material was published according to information on the material.
  - c. TITLE
  - d. PERSONAL AUTHOR -- person or persons who wrote, compiled, or edited the material. Up to two personal authors can be listed.
  - e. DESCRIPTOR -- subject terms which characterize substantive contents and form of the materials. The major terms are preceded by an asterisk. Terms used to index all resumes in this compilation can be reviewed in the Subject Index.



- f. DESCRIPTIVE NOTE -- various items of information may be contained in this section. For print materials the number of pages is usually listed. The price of the material quoted is the last time information was received from the source. Please note: Prices of nearly all materials are subject to changes and may not be accurate at the time a person orders a specific item.
  - g. ABSTRACT -- some early materials entered into IRIS did not have abstract information. All materials currently being entered into IRIS have an informative abstract that describes the contents of the item.
  - h. AVAILABILITY -- information in this field indicates where the material can be obtained.
2. Sample resume of material entered into ERIC (Resources in Education).

Items entered into ERIC (Resources in Education) will have a few additional data fields. See letter references "a" and "b" below.

IRIS ACCESSION NUMBER: EW006664  
 PUBLICATION DATE: 80  
 TITLE: RESOURCE DEVELOPMENT OF WATERSHED LANDS: A SIX WEEK SHORT COURSE.  
 DESCRIPTOR: ADMINISTRATION; ECOLOGICAL FACTORS; ECONOMIC FACTORS; INSTRUCTIONAL MATERIALS; \*LAND USE; NATURAL RESOURCES; \*POST SECONDARY EDUCATION; \*TECHNICAL EDUCATION; \*WATER RESOURCES; HYDROLOGY; NATURAL RESOURCES MANAGEMENT; WATER QUALITY; \*WATERSHEDS

- b. DESCRIPTIVE NOTE: EDRS PRICE: MF01 PLUS POSTAGE--NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT.

ABSTRACT: THIS COURSE WAS DESIGNED TO PROVIDE THE WATER RESOURCE TECHNICIAN OR MANAGER WITH INFORMATION WHICH WILL AID IN THE IMPLEMENTATION OF IMPROVEMENTS OF PRESENT LAND USE PRACTICES AND TO ILLUSTRATE ALTERNATIVE CONCEPTS AND TECHNIQUES IN LAND AND WATER USE FOR INCREASING AND IMPROVING THE MULTIPLE PRODUCTS OF WATERSHED LANDS. (ED 197 941)

- a. AVAILABILITY: ERIC DOCUMENT REPRODUCTION SERVICE, 3900 Wheeler Avenue, Alexandria, VA 22304
- a. ERIC NUMBER -- the ED number indicates the document has been processed and entered into Resources in Education. This identification number is the number to use when ordering a document or when requesting information about a document.

- b. EDRS PRICE -- if material is available through the ERIC Document Reproduction Service, the price of the material when it was entered into the ERIC system and the form of the material is indicated. "MF" means microfiche; "HC" means Xerox copy. Prices are subject to change. Current prices of microfiche and paper copies are listed in the back of each issue of Resources in Education; consult the latest monthly issue for current prices. Information about ordering items can be obtained by contacting:

ERIC Document Reproduction Service (EDRS)  
3900 Wheeler Avenue  
Alexandria, VA 22304  
(703) 823-0550

Items that are available on microfiche (MF) are contained in microfiche collections at over 700 sites where they can be read. For information on the microfiche locations in your state contact the EQ Instructional Resources Center.

## B. How to Locate Desired Materials

Users can identify materials of interest by scanning the resume listings, or using the Subject Index or Author Index.

### 1. Subject Index

The Subject Index is designed to enable the user to search for information on either a broad subject or a narrow information concern. An EW number is included for each item listed under the subject heading. The EW number refers to the abstract entry in the resume section where complete bibliographic information, an abstract of the item, and availability information can be found.

A user can also coordinate a search by checking EW numbers that appear under two or more subject headings. For example, you could check all the EW numbers under Water Treatment and all the EW numbers under Films. EW numbers included under both subject headings would include information relevant to Water Treatment that were films. EW numbers under wastewater treatment and laboratory techniques would provide a list of materials related to Laboratory Techniques and to Wastewater Treatment. Similar techniques could be used to identify other information desired.

Users with ERIC microfiche should check the resume entry. If the document is available on microfiche from the ERIC Document Reproduction Service, the availability will be indicated by "MF" on the resume by "EDRS Price." This means libraries with ERIC microfiche collections should have the document on microfiche.

If you want a document available through the ERIC Document Reproduction Service (EDRS) see the section on ordering documents.

## 2. Author Index

If you desire to locate a document by the name of the author, you can use the Author Index. EW numbers are provided under the author in the Author Index as in the Subject Index. Some documents do not have a listed author; hence, they are not listed in this index.

## III. Correcting an Existing IRIS Record

The IRIS data base will be updated on a quarterly basis. Corrections will be made to the data base at those times. You can help improve IRIS by sending corrections for items you find to be in error.

We request that you duplicate (copy) the resume from the compilation, mark the information you believe to be wrong (or incomplete), and send the marked resume to:

EQ Instructional Resources Center  
1200 Chambers Road, Room 310  
Columbus, Ohio 43212  
(614) 422-6717

Corrections of errors will occur in the IRIS tapes at the next update after comments are received.

If you have difficulty obtaining materials from the listed source in the AVAILABILITY section of the resume, please let us know. We will contact the sources to verify whether the materials are available, but your assistance will provide corrections between annual availability checks.

If you are the supplier of materials in IRIS, please let us know if you remove a product from your list, modify a product on your list, or change the price of the product.

#### IV. Requests to Receive Information about IRIS and the IRC Bulletin

Information regarding IRIS, materials in IRIS, and modifications in the system will be announced in the IRC Bulletin. The Bulletin is issued about four times a year as information is available.

If you are not on the mailing list write to the EQ Instructional Resources Center for subscription information.

If you need information about IRIS you can also phone (614) 422-6717 with your questions.

#### V. Requests for Assistance in Using IRIS

If you need help in using the IRIS manuals, phone (614) 422-6717 or write to the EQ Instructional Resources Center. Staff are normally available from about 8:30 a.m. to 4:30 p.m. Eastern time to answer your questions.

#### VI. How to Locate Other Relevant Educational Materials

A number of people have requested information related to such areas as management, basic skills (reading, mathematics, writing) human relations, contract negotiations, and other topics. The EQ Instructional Resources Center has developed or obtained some materials in these areas.

Another excellent source of information for many educational concerns is the ERIC System.

ERIC is a national information system designed and developed by the U.S. Office of Education, and now supported and operated by the National Institute of Education (NIE), for providing ready access to descriptions of exemplary programs, research and development efforts, and related information that can be used in developing more effective educational programs.

There are 16 Clearinghouses in the nationwide ERIC network. Each specializes in a different, multi-discipline, educational area. Each searches out pertinent documents.

The ERIC Clearinghouses have responsibility within the network for acquiring the significant educational literature within their particular areas, selecting the highest quality and most relevant material, processing (i.e., cataloging, indexing, abstracting) the selected items for input to the data base, and also for providing information analysis products and various user services based on the data base.

The 16 ERIC Clearinghouses are listed on the next few pages, together with addresses, telephone numbers, and brief scope notes describing the areas they cover. You can contact them for assistance in locating information relevant to their scope notes.

A. ERIC Clearinghouse on Adult, Career, and Vocational Education

The Ohio State University  
National Center for Research in Vocational Education  
1960 Kenny Road  
Columbus, Ohio 43210  
Telephone: (614) 486-3655

Career education, formal and informal at all levels, encompassing attitudes, self-knowledge, decision-making skills, general and occupational knowledge, and specific vocational and occupational skills; adult and continuing education, formal and informal, relating to occupational, family, leisure, citizen, organizational, and retirement roles; vocational and technical education, including new sub-professional fields, industrial arts, and vocational rehabilitation for the handicapped.

B. ERIC Clearinghouse on Counseling and Personnel Services

University of Michigan  
School of Education, Room 2108  
Ann Arbor, Michigan 48109  
Telephone: (313) 764-9492

Preparation, practice, and supervision of counselors at all educational levels and in all settings, theoretical development of counseling and guidance, use and results of personnel procedures such as testing, interviewing, disseminating, and analyzing such information, group work and case work; nature of pupil, student, and adult characteristics; personnel workers, and their relation to career planning, family consultations, and student orientation activities.

C. ERIC Clearinghouse on Elementary and Early Childhood Education

University of Illinois  
College of Education  
805 West Pennsylvania Avenue  
Urbana, Illinois 61801  
Telephone: (217) 333-1386

Prenatal factors, parental behavior; the physical, psychological, social, educational, and cultural development of children from birth through the primary grades; educational theory, research and practice related to the development of young children.

D. ERIC Clearinghouse on Educational Management

University of Oregon  
Library, Room 108  
1787 Agate Street  
Eugene, Oregon 97403  
Telephone: (503) 686-5043

Leadership, management, and structure of public and private educational organizations; practice and theory of administration; preservice and inservice preparation of administrators, tasks and processes of administration, methods and varieties of organization, organizational change, and social context of the organization.

Sites, buildings, and equipment for education; planning, financing, constructing, renovating, equipping, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

E. ERIC Clearinghouse on Handicapped and Gifted Children

Council for Exceptional Children  
1920 Association Drive  
Reston, Virginia 22091  
Telephone: (703) 620-3660

Aurally handicapped, visually handicapped, mentally handicapped, physically handicapped, emotionally disturbed, speech handicapped, learning disabilities, and the gifted; behavioral, psychomotor, and communication disorders, administration of special education services; preparation and continuing education of professional and paraprofessional personnel; preschool learning and development of the exceptional; general studies on creativity.

F. ERIC Clearinghouse on Higher Education

George Washington University  
One Dupont Circle, NW, Suite 630  
Washington, DC 20036  
Telephone: (202) 296-2597

Various subjects relating to college and university students, college and university conditions and problems, college and university programs; curricular and instructional problems and programs, faculty, institutional research; federal programs, professional education (medical, law, etc.), graduate education, university extension programs, teaching-learning, planning, governance, finance, evaluation, interinstitutional arrangements, and management of higher educational institutions.

G. ERIC Clearinghouse on Information Resources

Syracuse University  
 School of Education  
 Huntington Hall, Room 030  
 150 Marshall Street  
 Syracuse, New York 13210  
 Telephone: (315) 423-3640

Management, operation, and use of libraries; the technology to improve their operation and the education, training, and professional activities of librarians and information specialists. Educational techniques involved in microteaching, systems analysis, and programmed instruction employing audiovisual teaching aids and technology, such as television, radio, computers, and cable television, communication satellites, microforms, and public television.

H. ERIC Clearinghouse for Junior Colleges

University of California at Los Angeles (UCLA)  
 Mathematical Sciences Building, Room 8118  
 405 Hilgard Avenue  
 Los Angeles, California 90024  
 Telephone: (213) 825-3931

Development, administration, and evaluation of public and private community junior colleges. Junior college students, staff, curricula, programs, libraries, and community services.

I. ERIC Clearinghouse on Languages and Linguistics

Center for Applied Linguistics  
 1118 "22nd" Street, NW  
 Washington, DC 20037  
 Telephone: (202) 429-9551

Languages and linguistics. Instructional methodology, psychology of language learning, cultural and intercultural content, application of linguistics, curricular problems and developments, teacher training and qualifications, language sciences, psycholinguistics, theoretical and applied linguistics, language pedagogy, bilingualism, and commonly taught languages including English and speakers of other languages.

- J. ERIC Clearinghouse on Reading and Communication Skills  
 National Council of Teacher of English  
 1111 Kenyon Road  
 Urbana, Illinois 61801  
 Telephone: (217) 328-3870

Reading, English, and communication skills, preschool through college. Educational research and development in reading, writing, speaking, and listening. Identification, diagnosis, and remediation of reading problems. Speech communication--forensics, mass communication, interpersonal and small group interaction, interpretation, rhetorical and communication theory, instruction development, speech sciences, and theater. Preparation of instructional staff and related personnel in these areas.

All aspects of reading behavior with emphasis on physiology, psychology, sociology, and teaching. Instructional materials, curricula, tests and measurement, preparation of reading teachers and specialists, and methodology at all levels. Role of libraries and other agencies in fostering and guiding reading. Diagnostic and remedial services in school and clinical settings.

- K. ERIC Clearinghouse on Rural Education and Small Schools  
 New Mexico State University  
 Box 3AP  
 Las Cruces, New Mexico 88003  
 Telephone: (505) 646-2623

Education of Indian Americans, Mexican Americans, Spanish Americans, and migratory farm workers and their children; outdoor education; economic, cultural, social, or other factors related to educational programs in rural areas and small schools; disadvantaged of rural and small school populations.

- L. ERIC Clearinghouse for Science, Mathematics and Environmental Education  
 The Ohio State University  
 1200 Chambers Road - Room 310  
 Columbus, Ohio 43212  
 Telephone: (614) 422-6717

All levels of science, mathematics, and environmental education; development of curriculum and instructional materials; media applications; impact of interest, intelligence, values, and concept development upon learning; preservice and inservice teacher education and supervision.



- M. ERIC Clearinghouse for Social Studies/Social Science Education  
 Indiana University  
 Social Studies Development Center  
 2805 East 10th St.  
 Bloomington, IN 47405  
 Telephone: (812) 335-3838

All levels of social studies and social science; all activities relating to teachers; content of disciplines; applications of learning theory, curriculum theory, child development theory, and instructional theory; research and development programs; special needs of student groups; education as a social science; social studies/social science and the community.

- N. ERIC Clearinghouse on Teacher Education  
 American Association of Colleges for Teacher Education (AACTE)  
 One Dupont Circle, NW, Suite 610  
 Washington, DC 20036  
 Telephone: (202) 293-2450

School personnel at all levels, all issues from selection through preservice and inservice preparation and training to retirement; curricula, educational theory and philosophy; general education not specifically covered by Educational Management Clearinghouse; Title XI NDEA Institutes not covered by subject speciality in other ERIC Clearinghouses; all aspects of physical education.

- O. ERIC Clearinghouse on Tests, Measurement, and Evaluation  
 Educational Testing Service (ETS)  
 Rosedale Road  
 Princeton, New Jersey 08541  
 Telephone: (609) 734-5176

Tests and other measurement devices; evaluation procedures and techniques; application of tests, measurement, or evaluation in educational projects of programs.

- P. ERIC Clearinghouse on Urban Education  
 Teachers College, Columbia University  
 Institute for Urban and Minority Education  
 Box 40  
 525 West 120th Street  
 New York, New York 10027  
 Telephone: (212) 678-3433

The relationship between urban life and schooling; the effect of urban experiences and environments from birth onward; the academic, intellectual, and social performance of urban children and youth from grade three through college entrance (including the effect of self concept, motivation, and other affective influences), education of urban, Puerto Rican and Asian American

populations, and rural and urban black populations; programs and practices which provide learning experiences designed to meet the special needs of diverse populations served by urban schools and which build upon their unique as well as their common characteristics, structural changes in the classroom, school, school system, and community and innovative instructional practices which directly affect urban children and youth; programs, practices, and materials related to economic and ethnic discrimination, segregation, desegregation, and integration in education; issues, programs, practices, and materials related to redressing the curriculum imbalance in the treatment of ethnic minority groups.

- Q. Educational Resources Information Center  
Office of Educational Research and Improvement (OERI)  
555 New Jersey, Ave. NW  
Room 522  
Washington, DC 20208  
Telephone: (202) 626-9240

There are other sources of educational information in many states. Included are information dissemination units in the state departments of education, intermediate education units, and local education units. In many cases, a local school administrator or school librarian can help you locate assistance.

## VII. How to Order Materials

The AVAILABILITY field in the resume indicates where materials can be obtained. A few of the sources are explained.

- A. A number of audiovisual materials can be obtained on a rental basis or purchased from the EQ Instructional Resources Center. Most items previously available from the NTOTC office are available from the EQ Instructional Resources Center at The Ohio State University. For further information write or call.
- B. Some of the materials are available through the ERIC Document Reproduction Service. MF (microfiche) are 4" x 6" sheets of microfilm; up to 96 pages of text can be reproduced on one sheet. HC (paper copy) is a reproduction of the document in paper form at the original size.

Order forms for these materials can be obtained from:

ERIC Document Reproduction Service  
3900 Wheeler Avenue  
Alexandria, VA 22304  
(703) 823-0550

- C. The EQ Instructional resources Center will provide Xerox copies of materials that are not copyrighted for \$1.00 per document plus \$0.06 per page.

If you can not obtain materials that are listed or have difficulty obtaining materials, please contact the EQ Instructional Resources Center. We can provide assistance in obtaining materials from some sources. If materials become unavailable, we will remove them from the IRIS data base.

RESUME SECTION

IRIS ACCESSION NUMBER: EW013301  
PUBLICATION DATE: APR 86

TITLE: THE INTERACTIVE VIDEODISC IS IN MOTION.

PERSONAL AUTHOR: LANIER, ROBIN

DESCRIPTOR: \*AUDIOVISUAL AIDS; \*COST; \*INSTRUCTIONAL MATERIALS; \*INTERACTIVE VIDEODISCS; \*MATERIALS PRODUCTION; \*VIDEODISCS

DESCRIPTIVE NOTE: 36-39P.

ABSTRACT: PRESENTED IS INFORMATION ON THE INTERACTIVE VIDEODISC, MAKING THE VIDEODISC, AND ADVICE ON VIDEODISC PRODUCTION.

AVAILABILITY: EITV; V18 N4

IRIS ACCESSION NUMBER: EW013302

PUBLICATION DATE: SPR 86

TITLE: QUANTIFYING WISDOM: A DOUBLE-EDGED SWORD.

PERSONAL AUTHOR: LEHR, JAY H; AND OTHERS

DESCRIPTOR: \*CONTAMINATION; \*GROUNDWATER; \*PLANNING; \*POLLUTION CONTROL; \*SITE EVALUATION; \*WATER POLLUTION CONTROL; \*WATER QUALITY; \*WATER SUPPLY

DESCRIPTIVE NOTE: 4-7P.

ABSTRACT: DISCUSSED IS A SYSTEM FOR COMPARING AREAS WITH RESPECT TO THEIR POTENTIAL FOR POLLUTION OF GROUND WATER.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013303

PUBLICATION DATE: SPR 86

TITLE: MULTIPLE COMPLETION MONITOR WELLS.

PERSONAL AUTHOR: NAKAMOTE, DENNIS B.; AND OTHERS

DESCRIPTOR: \*CONSTRUCTION; \*COSTS; \*GROUNDWATER; \*MONITORING WELLS; \*WATER QUALITY; \*WELLS; \*WATER SUPPLY

DESCRIPTIVE NOTE: 50-55P.

ABSTRACT: THIS PAPER DISCUSSES THE MULTIPLE COMPLETION MONITOR WELL DESIGN CONCEPT IN TERMS OF DRILLING METHODS, CONSTRUCTION METHODS, COST CONSIDERATIONS, AND POTENTIALLY ADVERSE EFFECTS CAUSED BY INTERACTIONS BETWEEN CONSTRUCTION MATERIALS AND GROUND WATER.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013304  
PUBLICATION DATE: SPR 86

TITLE: AN EFFECTIVE AND INEXPENSIVE GAS-DRIVE GROUND WATER SAMPLER.

PERSONAL AUTHOR: NORMAN, WILLIAM R.

DESCRIPTOR: \*COSTS; \*GROUNDWATER; \*INSTRUMENTS; \*MONITORS; \*MONITORING; \*SAMPLING; \*SAMPLERS; \*WATER POLLUTION CONTROL; \*WATER QUALITY; \*WATER SUPPLY

DESCRIPTIVE NOTE: 56-60P.

ABSTRACT: DESCRIBED IS AN EFFECTIVE AND INEXPENSIVE GAS-DRIVE GROUND WATER SAMPLER.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013305

PUBLICATION DATE: SPR 86

TITLE: FACTORS WHICH AFFECT SOIL-PORE LIQUID: A COMPARISON OF CURRENTLY AVAILABLE SAMPLERS WITH TWO NEW DESIGNS.

PERSONAL AUTHOR: HORNBY, W. J.; AND OTHERS

DESCRIPTOR: \*DESIGN; \*GROUNDWATER; \*MONITORING; \*PERFORMANCE EVALUATION; \*SAMPLERS; \*WATER POLLUTION CONTROL; \*WATER QUALITY; \*WATER SUPPLY

DESCRIPTIVE NOTE: 61-66P.

ABSTRACT: SUCTION AND FREE DRAINAGE SOIL-PORE LIQUID (SPL) SAMPLERS WERE COMPARED WITH TWO NEW SPL SAMPLER DESIGNS FOR USE IN UNSATURATED ZONE MONITORING PROGRAMS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013306

PUBLICATION DATE: SPR 86

TITLE: SAMPLING FOR TOXIC CONTAMINANTS IN GROUND WATER.

PERSONAL AUTHOR: BRYDEN, GREGG W.; AND OTHERS

DESCRIPTOR: \*EQUIPMENT; \*GROUNDWATER; \*MONITORING; \*POLLUTION CONTROL; \*SAMPLING; \*WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 67-72P.

ABSTRACT: THIS ARTICLE RELATES RECENT DEVELOPMENTS IN GROUND WATER SAMPLING TECHNIQUES TO THE PRACTICAL APPLICATION OF SAMPLING FOR TOXIC CONTAMINANTS IN GROUND WATER.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013307  
PUBLICATION DATE: SPR 86

TITLE: LOW-COST APPARATUS FOR ON-SITE MONITORING OF METHANE IN GROUND WATER.

PERSONAL AUTHOR: HARRISON, SAMUEL S.

DESCRIPTOR: \*EQUIPMENT; \*CONTAMINATION; \*GROUNDWATER;  
\*METHANE; \*MONITORING; \*SAMPLING; \*WATER QUALITY

DESCRIPTIVE NOTE: 73-76P.

ABSTRACT: DESCRIBED IS A LOW-COST-GAS-VOLUME MONITORING APPARATUS FOR ONSITE MONITORING OF METHANE IN GROUND WATER.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013308

PUBLICATION DATE: SPR 86

TITLE: A NEW VALVED AND AIR-VENTED SURGE PLUNGER FOR DEVELOPING SMALL-DIAMETER MONITOR WELLS.

PERSONAL AUTHOR: SCHALLA, RONALD; LANDICK, ROBERT W.

DESCRIPTOR: \*EQUIPMENT; \*GROUNDWATER; \*MONITORING WELLS;  
\*MONITORING; \*WATER QUALITY; \*WELLS; \*SURGE PLUNGERS

DESCRIPTIVE NOTE: 77-80P.

ABSTRACT: DESCRIBED IS A VALVED AND AIR-VENTED SURGE PLUNGER FOR DEVELOPING 2-INCH DIAMETER MONITOR WELLS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013309

PUBLICATION DATE: SPR 86

TITLE: USE OF A GEO FLOWMETER FOR THE DETERMINATION OF GROUNDWATER FLOW DIRECTION.

PERSONAL AUTHOR: GUTHRIE, MARILYN

DESCRIPTOR: \*EQUIPMENT; \*GEO FLOWMETER; \*GROUNDWATER;  
\*FLUID FLOW; \*INSTRUMENTATION; \*MONITORING WELLS; \*WATER QUALITY

DESCRIPTIVE NOTE: 81-06P.

ABSTRACT: DESCRIBED IS A GEO FLOWMETER FOR THE DETERMINATION OF GROUND WATER FLOW DIRECTION AND VELOCITY IN MONITORING WELLS OR OPEN BOREHOLES.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013310  
PUBLICATION DATE: SPR 86

TITLE: A LOW-COST SYSTEM TO REMOTELY MEASURE PIEZOMETRIC HEAD.

PERSONAL AUTHOR: SCHAEFER, MARK E.; HEMOND, H. F.

DESCRIPTOR: \*COSTS; \*GROUNDWATER; \*INSTRUMENTATION;  
\*MONITORING; \*SAMPLING; \*WATER QUALITY

DESCRIPTIVE NOTE: 87-91P.

ABSTRACT: DESCRIBED IS A LOW-COST SYSTEM TO REMOTELY COLLECT PIEZOMETRIC HEAD DATA IN COMPRESSIBLE POROUS MEDIA.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013311

PUBLICATION DATE: SPR 86

TITLE: THE TRANSIOMETER: AN ALTERNATIVE METHOD OF SOIL MOISTURE MEASUREMENT IN SLOWLY PERMEABLE SOILS.

PERSONAL AUTHOR: TROOIJEN, TODD P.; AND OTHERS

DESCRIPTOR: \*EQUIPMENT; \*GROUNDWATER; \*INSTRUMENTATION;  
\*MOISTURE; \*SOILS; \*TRANSIOMETER; \*WATER RESOURCES

DESCRIPTIVE NOTE: 99-105P.

ABSTRACT: DESCRIBED IS THE TRANSIOMETER FOR SOIL MOISTURE MEASUREMENT IN SLOWLY PERMEABLE SOILS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013312

PUBLICATION DATE: SPR 86

TITLE: DEVELOPMENT OF AN INEXPENSIVE DATA ACQUISITION SYSTEM.

PERSONAL AUTHOR: JOHNSON, STEVEN B.

DESCRIPTOR: \*EQUIPMENT; \*GROUNDWATER; \*INSTRUMENTATION;  
\*MONITORING; \*WATER PRESSURE; \*SAMPLING

DESCRIPTIVE NOTE: 106-07P.

ABSTRACT: DESCRIBED IS THE DEVELOPMENT OF AN INEXPENSIVE DATA ACQUISITION SYSTEM.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013313  
PUBLICATION DATE: SPR 86

TITLE: ELECTRONIC SENSING DEVICES USED FOR IN SITU GROUND WATER MONITORING.

PERSONAL AUTHOR: RITCHEY, JOSEPH D.

DESCRIPTOR: \*EQUIPMENT; \*GROUNDWATER; \*INSTRUMENTATION; \*MONITORING; \*RESEARCH; \*SAMPLING; \*WATER LEVEL; \*WATER QUALITY

DESCRIPTIVE NOTE: 108-13P.

ABSTRACT: DESCRIBED ARE ELECTRONIC SENSING DEVICES FOR IN SITU GROUND WATER MONITORING.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013314

PUBLICATION DATE: SPR 86

TITLE: FM RADIOTELEMETRY COUPLED WITH SONIC TRANSDUCERS FOR REMOTE MONITORING OF WATER LEVELS IN DEEP AQUIFERS.

PERSONAL AUTHOR: ALDERMAN, JOSEPH W.

DESCRIPTOR: \*EQUIPMENT; \*GROUNDWATER; \*INSTRUMENTATION; \*MONITORING; \*SAMPLING; \*TELEMETRY SYSTEMS; \*WATER LEVEL; \*WATER RESOURCES

DESCRIPTIVE NOTE: 114-16P.

ABSTRACT: DESCRIBED IS AN INSTRUMENTATION SYSTEM FOR REMOTE MONITORING OF WATER LEVELS IN DEEP AQUIFERS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013315

PUBLICATION DATE: SPR 86

TITLE: A WASTE TREATMENT/DISPOSAL/SITE EVALUATION PROCESS FOR AREAS UNDERLAIN BY CARBONATE AQUIFERS.

PERSONAL AUTHOR: MAGHER, J. A.; AND OTHERS

DESCRIPTOR: \*GROUNDWATER; \*SITE EVALUATION; \*WASTE DISPOSAL; \*WASTE TREATMENT; \*WATER POLLUTION CONTROL; \*WATER QUALITY

DESCRIPTIVE NOTE: 117-21P.

ABSTRACT: DESCRIBED IS AN EVALUATION PROCESS FOR WASTE TREATMENT/DISPOSAL SITES UNDERLAIN BY CARBONATE AQUIFERS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013316  
PUBLICATION DATE: SPR 86

TITLE: USE OF COMPUTERS IN THE FIELD.

PERSONAL AUTHOR: GRAVENGAARD, GABRIELLE B.

DESCRIPTOR: \*COMPUTERS; \*DATA ACQUISITION SYSTEMS; \*DATA COLLECTION; \*GROUNDWATER; \*MONITORING; \*SAMPLING; \*WATER QUALITY; \*WATER RESOURCES

DESCRIPTIVE NOTE: 126-28P.

ABSTRACT: THIS ARTICLE DESCRIBES AND DISCUSSES THE BASIC CAPABILITIES OF DATA ACQUISITION SYSTEMS AND THE BENEFITS OF USING SUCH DEVICES.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013317

PUBLICATION DATE: 86

TITLE: A FIELD TERMINAL FOR COLLECTION AND ANALYSIS OF GEOLOGICAL AND HYDROGEOLOGICAL DATA.

PERSONAL AUTHOR: PETSONK, ANDREW M.

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*EQUIPMENT; \*FIELD TERMINALS; \*DATA COLLECTION; \*GEOLOGY; \*GROUNDWATER; \*HYDROGEOLOGY; \*FIELD STUDIES; \*DATA TERMINAL

DESCRIPTIVE NOTE: 130-34P.

ABSTRACT: DESCRIBED IS A FIELD TERMINAL FOR COLLECTION AND ANALYSIS OF GEOLOGICAL AND HYDROGEOLOGICAL DATA. EXAMPLES OF HOW THE TERMINAL MAY BE USED IN CONNECTION WITH SITE INVESTIGATIONS ARE INCLUDED.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013318

PUBLICATION DATE: SPR 86

TITLE: MICRO COMPUTERS APPLIED TO GROUND WATER MONITORING AND TESTING.

PERSONAL AUTHOR: BRANNAKA, LARRY K.; KEEFE, LAWRENCE R.

DESCRIPTOR: \*COMPUTERS; \*COMPUTER APPLICATIONS; \*DATA COLLECTION; \*EQUIPMENT; \*GROUNDWATER; \*INSTRUMENTATION; \*MICROCOMPUTERS; \*MONITORING; \*WATER RESOURCES; \*WATER QUALITY

DESCRIPTIVE NOTE: 135-39P.

ABSTRACT: DOCUMENTED IN THIS ARTICLE ARE SEVERAL MICROCOMPUTER SYSTEMS THAT HAVE BEEN DEVELOPED AND USED FOR

SIMULTANEOUS MONITORING OF SEVERAL WELLS AND SYSTEMS  
INSTALLED FOR LONG TERM MONITORING.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW#13319

PUBLICATION DATE: MAR 86

TITLE: EMERGING TECHNOLOGIES WITH ROOTS IN THE PAST.

DESCRIPTOR: \*ALTERNATIVE TECHNOLOGY; BATCH REACTORS;  
FILTRATION; INTERCHANNEL CLARIFICATION; LAGOONS; FACILITIES;  
\*OPERATIONS (WASTEWATER); OVERLAND FLOW; \*TECHNOLOGY;  
\*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 28-31P.

ABSTRACT: A VARIETY OF WASTEWATER TREATMENT SYSTEMS, SOME  
OF THEM NOT EXACTLY NEW, HAVE RECENTLY BEEN SUBJECTED TO  
INVESTIGATORY AND DEVELOPMENT EFFORTS. THEY ARE BEGINNING TO  
SHOW THE PROMISE OF COST EFFECTIVENESS FOR THE THOUSANDS OF  
SMALLER MUNICIPALITIES THAT MUST SOLVE WASTEWATER TREATMENT  
PROBLEMS.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N3

IRIS ACCESSION NUMBER: EW#13320

PUBLICATION DATE: MAR 86

TITLE: PLATE SEPARATION-BUDDING CONVENTIONAL TECHNOLOGY?

DESCRIPTOR: \*GRAVITY SEPARATORS; \*FACILITIES; \*OPERATIONS  
(WASTEWATER); \*PLATE SEPARATORS; \*WATER TREATMENT;  
\*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 32-34, 22P.

ABSTRACT: GRAVITY SEPARATORS COME IN DIFFERENT FORMS AND  
THOSE VARIANTS BUILT AROUND STACKS OF PARALLEL PLATES OFFER  
THE TREATMENT PLANT OWNER AND DESIGNER A NUMBER OF DISTINCT  
PERFORMANCE ADVANTAGES.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N3

IRIS ACCESSION NUMBER: EW#13321

PUBLICATION DATE: MAR 86

TITLE: PRETREATMENT BY THE METAL FINISHING INDUSTRY.

PERSONAL AUTHOR: STEWARD, F. A.

DESCRIPTOR: \*METALS; \*INDUSTRIAL WASTES; \*OPERATIONS  
(WASTEWATER); \*PRETREATMENT; \*WASTE DISPOSAL; \*WASTEWATER  
TREATMENT

DESCRIPTIVE NOTE: 35-36P.

ABSTRACT: MUNICIPAL WASTEWATER TREATMENT PLANT OPERATORS  
MUST KEEP A WATCHFUL EYE ON DISCHARGES SENT THEIR WAY BY  
METAL FINISHING BUSINESSES. THEREFORE IT PAYS FOR THEM TO  
KNOW WHAT THOSE FIRMS MUST DO ABOUT IT, AND WHAT PROCESS  
OPTIONS ARE AVAILABLE.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N3

IRIS ACCESSION NUMBER: EW#13322

PUBLICATION DATE: FEB 86

TITLE: DEVELOPING A WORKABLE MUNICIPAL CROSS-CONNECTION  
CONTROL ORDINANCE.

PERSONAL AUTHOR: HARTLEY, JOHN

DESCRIPTOR: \*COLORADO; \*CROSS-CONNECTIONS; \*ORDINANCES;  
\*POLLUTION CONTROL; \*REGULATIONS; \*WATER DISTRIBUTION;  
\*WATER QUALITY

DESCRIPTIVE NOTE: 1, 3-4P.

ABSTRACT: PRESENTED IS INFORMATION ON THE DEVELOPMENT OF A  
MUNICIPAL CROSS-CONNECTION CONTROL ORDINANCE.

AVAILABILITY: BACKFLOW PREVENTION; V3 N2

IRIS ACCESSION NUMBER: EW#13323

PUBLICATION DATE: MAR 86

TITLE: PCBs: THE PROBLEM PLAGUING INDUSTRY.

DESCRIPTOR: \*EQUIPMENT; \*LIABILITIES; \*PCBs; \*POLLUTION  
CONTROL; \*REGULATIONS; \*RISK ASSESSMENT; \*TOXICITY

DESCRIPTIVE NOTE: 94, 96P.

ABSTRACT: THOSE HELD ACCOUNTABLE FOR PCB RISK MANAGEMENT  
MUST BE WELL VERSED IN ELECTRICAL ENGINEERING, HAVE A  
CHEMICAL ORIENTATION, KNOW THE LEGAL IMPLICATIONS AND BE  
INFORMED OF PROPER DISPOSAL TECHNIQUES. THE LAWS AND  
LIABILITIES AFFECTING OWNERS OF PCB EQUIPMENT ARE CAREFULLY  
REVIEWED IN THIS REPORT.

AVAILABILITY: ENGINEER'S DIGEST; V14 N3

IRIS ACCESSION NUMBER: EW#13324

PUBLICATION DATE: APR 86

TITLE: THE CHALLENGES THAT MAKE OR BREAK A GROUP.

PERSONAL AUTHOR: COOPER, COLEEN R.; FLOOR, MARY L.



DESCRIPTOR: \*GROUP DYNAMICS; \*HUMAN RELATIONS; \*MEETINGS;  
\*MANAGEMENT

DESCRIPTIVE NOTE: 31-33P.

ABSTRACT: DISCUSSED IS A SEVEN-STEP PROCESS TO ENSURE A  
SUCCESSFUL OUTCOME OF A MEETING.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V48 N4

IRIS ACCESSION NUMBER: EW813325

PUBLICATION DATE: APR 86

TITLE: HOW TO CONSTRUCT A SUCCESSFUL PERFORMANCE APPRAISAL  
SYSTEM.

PERSONAL AUTHOR: SCHNEIER, CRAIG ERIC; AND OTHERS

DESCRIPTOR: \*MANAGEMENT; \*PERFORMANCE APPRAISAL; \*PERSONNEL

DESCRIPTIVE NOTE: 38-42P.

ABSTRACT: THIS IS THE FIRST INSTALLMENT OF A TWO-PART  
ARTICLE. THE AUTHORS EXAMINE WHY PERFORMANCE APPRAISAL  
SYSTEMS FAIL AND PRESENT SOME POSITIVE SUGGESTIONS.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V48 N4

IRIS ACCESSION NUMBER: EW813326

PUBLICATION DATE: APR 86

TITLE: SOLID WASTES CONTAINING LANDFILL LEAKS.

PERSONAL AUTHOR: BEATTY, CLARENCE

DESCRIPTOR: \*CONTAMINATION; \*COSTS; \*GROUNDWATER;  
\*LANDFILLS; \*POLLUTION CONTROL; \*REGULATIONS; \*SANITARY  
LANDFILLS; \*WASTE DISPOSAL

DESCRIPTIVE NOTE: 28-32P.

ABSTRACT: THE EXISTENCE AND THE POTENTIAL THREAT OF FURTHER  
GROUNDWATER CONTAMINATION FROM SANITARY LANDFILL LEAKS HAS  
PROMPTED NATIONAL RECOGNITION OF THE NEED FOR TIGHTER  
ENVIRONMENTAL CONTROLS. DATA ON PROBLEMS, COSTS, AND NEEDS  
ARE PRESENTED.

AVAILABILITY: AMERICAN CITY AND COUNTY; V181 N4

IRIS ACCESSION NUMBER: EW813327

PUBLICATION DATE: FEB 86

TITLE: MAINTENANCE SCHEDULE FOR VIDEO AND AUDIO EQUIPMENT.

PERSONAL AUTHOR: BOGOSSIAN, BENJAMIN L.

DESCRIPTOR: \*AUDIOVISUAL AIDS; \*EQUIPMENT; \*MAINTENANCE;  
\*PREVENTIVE MAINTENANCE

DESCRIPTIVE NOTE: 26-29P.

ABSTRACT: A DOCUMENTED, PERIODIC MAINTENANCE PROGRAM  
ENSURES EQUIPMENT RELIABILITY AND PERFORMANCE. A RECOMMENDED  
SCHEDULE IS PRESENTED.

AVAILABILITY: EITV; V18 N2

IRIS ACCESSION NUMBER: EW813328

PUBLICATION DATE: MAR 86

TITLE: DESIGNING A GROUNDWATER TREATMENT SYSTEM.

PERSONAL AUTHOR: NYER, EVAN K.

DESCRIPTOR: \*CONTAMINATION; \*DESIGN; \*GROUNDWATER; \*WATER  
POLLUTION CONTROL; \*WATER QUALITY; \*WATER TREATMENT

DESCRIPTIVE NOTE: 18-20P.

ABSTRACT: INFORMATION IS PRESENTED ON DESIGNING A  
GROUNDWATER TREATMENT SYSTEM FOR IMPROVING WATER QUALITY BY  
REMOVING CONTAMINANTS.

AVAILABILITY: POLLUTION ENGINEERING; V18 N3

IRIS ACCESSION NUMBER: EW813329

PUBLICATION DATE: MAR 86

TITLE: ENZYMIC AND MICROBIAL DEGRADATION OF TOXIC  
MATERIALS.

PERSONAL AUTHOR: WHITE, WILLIAM E.

DESCRIPTOR: \*BIOTECHNOLOGY; \*BIOLOGICAL TREATMENT;  
\*DEGRADATION; \*ENZYMES; \*MICROBES; \*MICROBIOLOGY;  
\*TECHNOLOGY; \*TOXIC SUBSTANCES; \*WASTE DISPOSAL; \*WASTE  
TREATMENT

DESCRIPTIVE NOTE: 28, 30P.

ABSTRACT: DISCUSSED IS THE POSSIBLE ENZYMIC AND MICROBIAL  
DEGRADATION OF TOXIC MATERIALS.

AVAILABILITY: POLLUTION ENGINEERING; V18 N3

IRIS ACCESSION NUMBER: EW813331

PUBLICATION DATE: MAR 86

TITLE: T & P VALVES--A DIFFERENT "CROSS-CONNECTION  
PROBLEM."

PERSONAL AUTHOR: LOPP, DENNY  
DESCRIPTOR: \*CROSS-CONNECTIONS; \*EDUCATION PROGRAMS;  
\*PRESSURE VALVES; \*TEMPERATURE VALVES; \*VALVES; \*WATER  
DISTRIBUTION; \*WATER QUALITY

DESCRIPTIVE NOTE: 3, 6P.

ABSTRACT: DESCRIBED ARE PROBLEMS ASSOCIATED WITH  
TEMPERATURE AND PRESSURE RELIEF VALVES AND AN EDUCATION  
PROGRAM DEVELOPED FOR SPOKANE, WASHINGTON.

AVAILABILITY: BACKFLOW PREVENTION; V3 N3

IRIS ACCESSION NUMBER: EW013332

PUBLICATION DATE: MAR 86

TITLE: IMPLEMENTING A MUNICIPAL CROSS-CONNECTION CONTROL  
ORDINANCE.

PERSONAL AUTHOR: HARTLEY, JOHN

DESCRIPTOR: \*COLORADO; \*CROSS-CONNECTIONS; \*ORDINANCES;  
\*REGULATIONS; \*WATER DISTRIBUTION; \*WATER QUALITY

DESCRIPTIVE NOTE: 4-5P.

ABSTRACT: THIS IS PART 2 OF A TWO-PART ARTICLE. PART 1  
APPEARED IN THE FEBRUARY, 1986 ISSUE OF BACKFLOW PREVENTION.

AVAILABILITY: BACKFLOW PREVENTION; V3 N3

IRIS ACCESSION NUMBER: EW013333

PUBLICATION DATE: MAR 86

TITLE: A PUBLIC-PRIVATE PARTNERSHIP.

PERSONAL AUTHOR: DELBELLO, ALFRED B.

DESCRIPTOR: \*COSTS; \*FINANCING; \*FACILITIES; \*MANAGEMENT;  
\*PRIVATIZATION; \*WASTEWATER TREATMENT; \*WATER TREATMENT

DESCRIPTIVE NOTE: 10P.

ABSTRACT: THIS ARTICLE DESCRIBES PRIVATIZATION IN THE  
FIELDS OF WATER AND WASTEWATER TREATMENT. REASONS FOR  
PRIVATIZATION AND EXAMPLES FOR PRIVATIZATION ARE PRESENTED.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013334

PUBLICATION DATE: MAR 86

TITLE: FLEXIBLE JOINT RESTRAINT SYSTEM WITHSTANDS SMALL  
EARTHQUAKES, SETTLING.

PERSONAL AUTHOR: KENNEDY, HAROLD; SHUMARD, DENNIS  
DESCRIPTOR: \*MEGALUG; \*PIPES; \*PIPE JOINTS; \*WATER PIPES

DESCRIPTIVE NOTE: 14-15P.

ABSTRACT: DESCRIBED IS A FLEXIBLE JOINT RESTRAINT SYSTEM  
(MEGALUG) FOR WATER PIPES THAT WITHSTANDS SMALL EARTHQUAKES  
AND SETTLING.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013335

PUBLICATION DATE: MAR 86

TITLE: BIOSYSTEM ECONOMICALLY TREATS PHENOLIC WASTES.

PERSONAL AUTHOR: BLAIR, JAMES E.

DESCRIPTOR: \*BIOLOGICAL SYSTEMS; \*BIOLOGICAL TREATMENT;  
\*COSTS; \*EQUIPMENT; \*FACILITIES; \*INDUSTRIAL WASTES;  
\*PHENOL; \*PERFORMANCE EVALUATION; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 16-17P.

ABSTRACT: DESCRIBED IS A BIOSYSTEM FOR TREATING PHENOLIC  
WASTES.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013336

PUBLICATION DATE: MAR 86

TITLE: CLEANING RO UNITS USED FOR POTABLE WATER PRODUCTION.

PERSONAL AUTHOR: LUSS, GERALD

DESCRIPTOR: \*CLEANING; \*MAINTENANCE; \*MEMBRANES; \*REVERSE  
OSMOSIS; \*WATER QUALITY; \*WATER TREATMENT

DESCRIPTIVE NOTE: 10-19P.

ABSTRACT: DESCRIBED ARE MATERIALS AND PROCEDURES FOR  
CLEANING REVERSE OSMOSIS MEMBRANES USED IN WATER TREATMENT  
FACILITIES.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013338

PUBLICATION DATE: MAY 86

TITLE: CHOOSING A SECOND GENERATION COMPUTERIZED BILLING  
SYSTEM.

PERSONAL AUTHOR: WINTISH, J. PETER

DESCRIPTOR: \*BILLING SYSTEMS; \*COMPUTER APPLICATIONS; \*NEW YORK; \*PERFORMANCE EVALUATION; \*SYSTEM ANALYSIS; \*WATER USE; \*WATER RATES

DESCRIPTIVE NOTE: 34-37P.

ABSTRACT: DESCRIBED IS THE SELECTION OF AN UPDATED SYSTEM FOR WATER BILLING BY A NEW YORK CITY.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013339

PUBLICATION DATE: MAY 86

TITLE: REGIONAL REACTIVATION OF GRANULAR ACTIVATED CARBON.

PERSONAL AUTHOR: ADAMS, JEFFREY Q.; AND OTHERS

DESCRIPTOR: \*COSTS; \*GRANULAR ACTIVATED CARBON; \*CARBON REACTIVATION; \*OPERATIONS (WATER); \*PERFORMANCE EVALUATION; \*WATER TREATMENT

DESCRIPTIVE NOTE: 38-41P.

ABSTRACT: SMALL UTILITIES CAN ACHIEVE ECONOMICS OF SCALE BY TRANSPORTING CARBON TO A CENTRAL REACTIVATION POINT. DESCRIBED IS A NEW HAMPSHIRE PROJECT.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013340

PUBLICATION DATE: MAY 86

TITLE: WATER RATES: AN INDUSTRIAL USER'S VIEW.

PERSONAL AUTHOR: HARWIG, ERNEST; SMITH, RONALD A.

DESCRIPTOR: \*COSTS; \*INDUSTRIAL USE; \*OPINIONS; \*SERVICE CONTRACTS; \*WATER RATES; \*WATER SUPPLY; \*WATER DEMAND; \*GENERAL MOTORS

DESCRIPTIVE NOTE: 42-46P.

ABSTRACT: PRESENTED ARE GENERAL MOTORS' VIEW ON WATER RATES. WRITTEN SERVICE CONTRACTS ARE SUGGESTED AS AN APPROPRIATE TOOL TO ACHIEVE EQUITABLE RESULTS.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013341

PUBLICATION DATE: MAY 86

TITLE: INDUSTRIAL USE OF REVERSE OSMOSIS.

PERSONAL AUTHOR: SINISGALLI, PAUL D.; MCNUTT, JAMES L.

DESCRIPTOR: \*DESIGN; \*COSTS; \*FACILITIES; \*RECYCLING; \*INDUSTRY; \*MEMBRANES; \*REVERSE OSMOSIS; \*WASTE TREATMENT; \*WATER TREATMENT

DESCRIPTIVE NOTE: 47-51P.

ABSTRACT: IMPROVED MEMBRANE DESALINATION METHODS PROVIDE EFFECTIVE INDUSTRIAL WATER TREATMENT, WASTE MANAGEMENT, AND RECYCLING CAPABILITIES.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013342

PUBLICATION DATE: MAY 86

TITLE: ION EXCHANGE FOR THE REMOVAL OF NITRATE FROM WELL WATER.

PERSONAL AUTHOR: LAUCH, RICHARD P.; FER, GERALD A.

DESCRIPTOR: \*CALIFORNIA; \*DEMONSTRATION PLANTS; \*FACILITIES; \*NITRATES; \*OPERATIONS (WATER); \*STATE STANDARDS; \*WATER TREATMENT; \*WELL WATER

DESCRIPTIVE NOTE: 83-88P.

ABSTRACT: A FULL-SCALE SEMIAUTOMATED DEMONSTRATION PLANT SUCCESSFULLY REDUCED NITRATES TO MEET STATE STANDARDS.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013343

PUBLICATION DATE: APR 86

TITLE: SPECIAL REPORT: INDUSTRIAL/MUNICIPAL WATER AND WASTEWATER PACKAGE TREATMENT SYSTEMS.

PERSONAL AUTHOR: CHEREMISINOFF, PAUL N.

DESCRIPTOR: \*PACKAGE TREATMENT PLANTS; \*TECHNOLOGY; \*WATER TREATMENT; \*WASTEWATER TREATMENT; \*WATER QUALITY

DESCRIPTIVE NOTE: 20P.

ABSTRACT: THIS ARTICLE PRESENTS INFORMATION ON PACKAGE TREATMENT PLANTS FOR WATER AND WASTEWATER PROCESSING. TYPES OF TREATMENT ARE CONSIDERED.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW013344

PUBLICATION DATE: APR 86

TITLE: SIZING A CHLORINE EJECTOR.

PERSONAL AUTHOR: NAGEL, WILLIAM  
 DESCRIPTOR: \*CHLORINATION; \*CHLORINE EJECTORS; \*EQUIPMENT;  
 \*DESIGN; \*DISINFECTION; \*WATER TREATMENT

DESCRIPTIVE NOTE: 32-35P.

ABSTRACT: THIS ARTICLE DISCUSSES SIZING THE CHLORINE  
 EJECTOR IN A GAS CHLORINATOR.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW813345

PUBLICATION DATE: APR 86

TITLE: ANAEROBIC TREATMENT PROVES COST CUTTER FOR  
 INDUSTRIAL WASTE.

PERSONAL AUTHOR: MOORES, C. W.; SOBKOWICZ, A. M.

DESCRIPTOR: AEROBIC TREATMENT; \*ANAEROBIC TREATMENT;  
 \*COSTS; \*INDUSTRIAL WASTES; \*TECHNOLOGY; \*WASTEWATER  
 TREATMENT; \*OPERATIONS (WASTEWATER)

DESCRIPTIVE NOTE: 38-41P.

ABSTRACT: DESCRIBED ARE ANAEROBIC TREATMENT PROCESSES FOR  
 WASTEWATER TREATMENT. WAYS OF REDUCING COSTS BY USE OF THESE  
 TECHNIQUES ARE CONSIDERED.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW813346

PUBLICATION DATE: APR 86

TITLE: USING BIOTECHNOLOGY TO TREAT METALWORKING  
 WASTEWATER.

PERSONAL AUTHOR: SUTTON, P. M.; AND OTHERS

DESCRIPTOR: \*BIOTECHNOLOGY; \*DESIGN; \*METALS; \*INDUSTRIAL  
 WASTES; \*OPERATIONS (WASTEWATER); \*TECHNOLOGY; \*WASTEWATER  
 TREATMENT

DESCRIPTIVE NOTE: 46-49P.

ABSTRACT: DESCRIBED ARE WAYS OF USING BIOTECHNOLOGY TO  
 TREAT METALWORKING WASTEWATER.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW813348

PUBLICATION DATE: APR 86

TITLE: SIMPLICITY IS MARK OF PUMP STATION IN THE ROUND.

PERSONAL AUTHOR: STEVENS, WAYNE; WILLIAMS, WALTER  
 DESCRIPTOR: \*COSTS; \*CONSTRUCTION; \*DESIGN; \*FACILITIES;  
 \*MAINTENANCE; \*PUMP STATIONS; \*OPERATIONS (WASTEWATER);  
 \*WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 21-22, 24-25P.

ABSTRACT: DESCRIBED IS A PUMPING STATION BEING CONSTRUCTED  
 IN HOUSTON FOR PUMPING WASTEWATER. THE LARGE FACILITY WAS  
 DESIGNED FOR RELIABILITY, LOW MAINTENANCE, AND LOWER  
 CONSTRUCTION COSTS.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW813349

PUBLICATION DATE: APR 86

TITLE: SLUDGE MANAGEMENT GOES THE DISTANCE.

PERSONAL AUTHOR: BERG, SUSAN

DESCRIPTOR: \*COSTS; \*FACILITIES; \*PIPELINES; \*SLUDGE;  
 \*WASTE DISPOSAL; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 26-27P.

ABSTRACT: DESCRIBED IS AN 18 MILE SLUDGE PIPELINE IN  
 COLORADO DESIGNED TO SAVE TRUCKING FEES.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW813350

PUBLICATION DATE: APR 86

TITLE: OPERATING A BACKHOE EFFICIENTLY.

DESCRIPTOR: \*BACKHOES; \*EQUIPMENT; \*OPERATIONS; \*SAFETY;  
 \*CONSTRUCTION

DESCRIPTIVE NOTE: 20P.

ABSTRACT: DESCRIBED ARE WAYS TO OPERATE A BACKHOE  
 EFFICIENTLY.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW813351

PUBLICATION DATE: APR 86

TITLE: HIGH PRESSURE SYSTEM SPOTS JOINT LEAKS.

DESCRIPTOR: \*JOINT LEAKS; \*LEAK DETECTION; \*PIPES; \*WATER  
 PIPES; \*WASTEWATER PIPES

DESCRIPTIVE NOTE: 33-35P.

ABSTRACT: DESCRIBED ARE DEVELOPMENTS IN LARGE DIAMETER PIPE JOINT TESTING TECHNOLOGY THAT PERMIT LEAK DETECTION IN NEW AND EXISTING WATER AND WASTEWATER PIPELINES AT HIGH PRESSURES.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW013352

PUBLICATION DATE: APR 86

TITLE: DETENTION PONDS: THE POSITIVE AND THE NEGATIVE.

PERSONAL AUTHOR: SILVER, ROBERT M.

DESCRIPTOR: \*DETENTION PONDS; \*STORM WATER; \*SURFACE RUNOFF; \*WASTEWATER COLLECTION; \*URBAN AREAS

DESCRIPTIVE NOTE: 40-41P.

ABSTRACT: THE GOOD AND BAD POINTS OF DETENTION PONDS ARE DISCUSSED.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013354

PUBLICATION DATE: APR 86

TITLE: SALVAGING A WATER RESERVOIR.

PERSONAL AUTHOR: KELLY, RICHARD L. W.; AND OTHERS

DESCRIPTOR: \*COSTS; \*FACILITIES; \*MAINTENANCE; \*RESERVOIRS; \*RENOVATIONS; \*VIRGINIA; \*WATER STORAGE; \*WATER SUPPLY

DESCRIPTIVE NOTE: 50-51P.

ABSTRACT: RESERVOIR RENOVATIONS OFFER CONSIDERABLE SAVING COMPARED TO REPLACEMENT. DESCRIBED IS A PROJECT IN VIRGINIA.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013355

PUBLICATION DATE: APR 86

TITLE: BIG BUCKS SAVED ON SEWER REHABILITATION PROJECT.

PERSONAL AUTHOR: LOVEJOY, DAVID R.; MUNZ, KENNETH J.

DESCRIPTOR: \*COSTS; \*INSITUFORM; \*MAINTENANCE; \*REHABILITATION; \*SEWERS; \*WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 52-53P.

ABSTRACT: AN EXTENSIVELY DETERIORATED SANITARY SEWER WAS REHABILITATED WITH A NEW LINER. DESCRIBED IS A PROJECT IN NEW YORK.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013356

PUBLICATION DATE: APR 86

TITLE: A METHOD FOR EVALUATION AND PROCUREMENT OF IN-VESSEL COMPOSTING SYSTEMS.

PERSONAL AUTHOR: CONNER, DOUGLAS A.; STEARNS, JAMES A.

DESCRIPTOR: \*COMPOSTING; \*CONSTRUCTION; \*COSTS; \*DESIGN; \*EQUIPMENT; \*IN-VESSEL COMPOSTING; \*PLANNING; \*OPERATIONS (WASTEWATER); \*WASTEWATER SLUDGE; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 64-66P.

ABSTRACT: DESCRIBED IS A PROCEDURE OF EVALUATING AND PROCURING IN-VESSEL COMPOSTING SYSTEMS FOR WASTEWATER SOLIDS STABILIZATION.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013357

PUBLICATION DATE: APR 86

TITLE: DESIGN OF THE GAC TREATMENT FACILITY AT CINCINNATI.

PERSONAL AUTHOR: WESTERHOFF, GARRET P.; MILLER RICHARD

DESCRIPTOR: \*ACTIVATED CARBON; \*FACILITIES; \*GRANULAR ACTIVATED CARBON; \*DRINKING WATER; \*PILOT STUDIES; \*MANAGEMENT; \*OHIO; \*OPERATIONS (WATER); \*TECHNOLOGY; \*WATER TREATMENT

DESCRIPTIVE NOTE: 146-148P.

ABSTRACT: DESIGN OF THE FACILITY AND THE DEVELOPMENT OF THE PLAN FOR THE UNITED STATES' LARGEST GRANULAR ACTIVATED CARBON TREATMENT FACILITY ARE DESCRIBED.

AVAILABILITY: AWWA JOURNAL; V70 N4

IRIS ACCESSION NUMBER: EW013358

PUBLICATION DATE: APR 86

TITLE: THM AND TOX FORMATION: ROUTES, RATES, AND PRECURSORS.

PERSONAL AUTHOR: JOHNSON, J. DONALD; JENSEN, JAMES N.

DESCRIPTOR: CONTAMINATION; \*CHLORINE; \*DRINKING WATER;

\*DISINFECTION; \*CHEMISTRY; \*OPERATIONS (WATER);  
\*TRICHALOMETHANES; \*WATER TREATMENT; \*REGULATIONS

DESCRIPTIVE NOTE: 156-162P.

ABSTRACT: THE AUTHORS QUESTION THE WISDOM OF LIMITING REGULATIONS TO TRIHALOMETHANES, CONSIDERING THE HEALTH EFFECTS OF TOTAL ORGANIC HALOGENS.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013359

PUBLICATION DATE: APR 86

TITLE: REMOVING TRACE ORGANICS BY REVERSE OSMOSIS USING CELLULOSE ACETATE AND POLYAMIDE MEMBRANES.

PERSONAL AUTHOR: REINHARD, MARTIN; AND OTHERS

DESCRIPTOR: \*DRINKING WATER; \*FACILITIES; \*FILTRATION;  
\*MEMBRANES; \*OPERATIONS (WATER); \*ORGANIC COMPOUNDS;  
\*PERFORMANCE EVALUATION; \*REVERSE OSMOSIS; \*WATER TREATMENT

DESCRIPTIVE NOTE: 163-74P.

ABSTRACT: WATER FACTORY 21 PROVIDES INFORMATION ON THE EFFECTIVENESS OF REMOVING ORGANICS BY REVERSE OSMOSIS.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013360

PUBLICATION DATE: APR 86

TITLE: USING ISOTOPE DILUTION MASS SPECTROMETRY TO DETERMINE AQUEOUS TRICHLOROACETIC ACID.

PERSONAL AUTHOR: NORWOOD, DANIEL L.; AND OTHERS

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*DRINKING WATER;  
\*LABORATORY PROCEDURES; \*PERFORMANCE EVALUATION;  
\*TRICHLOROACETIC ACID; \*WATER QUALITY

DESCRIPTIVE NOTE: 175-80P.

ABSTRACT: A METHOD WAS DEVELOPED TO ANALYZE FOR AND MEASURE TRICHLOROACETIC ACID SIMULTANEOUSLY WITH TRIHALOMETHANES.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013361

PUBLICATION DATE: APR 86

TITLE: EFFECTS OF LOW TEMPERATURE ON THE REMOVAL OF TRIHALOMETHANE PRECURSORS BY COAGULATION.

PERSONAL AUTHOR: KNOCKE, WILLIAM R.; AND OTHERS

DESCRIPTOR: \*DRINKING WATER; \*OPERATIONS (WATER);  
\*TRICHALOMETHANES; \*WATER TREATMENT; \*TEMPERATURE

DESCRIPTIVE NOTE: 109-95P.

ABSTRACT: THIS STUDY SUGGESTS THAT REDUCED THM CONCENTRATIONS IN FINISHED WATER DURING WINTER ARE STRICTLY A FUNCTION OF THE REDUCED RATE OF THM FORMATION.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013362

PUBLICATION DATE: MAY 86

TITLE: CONTAINING ATLANTA'S OVERFLOWS.

PERSONAL AUTHOR: COURTNEY, LAURENCE S.; BEACH, GARY C.

DESCRIPTOR: \*GEORGIA; \*SEWER OVERFLOWS; \*SEWERS; \*SURFACE RUNOFF;  
\*WASTEWATER COLLECTION; \*WATER QUALITY; \*MANAGEMENT;  
\*FACILITIES; \*PROJECT DESCRIPTIONS

DESCRIPTIVE NOTE: 12-15P.

ABSTRACT: DESCRIBED ARE FACILITIES DEVELOPED FOR ATLANTA, GEORGIA TO CONTROL OVERFLOWS.

AVAILABILITY: OPERATIONAL FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013363

PUBLICATION DATE: MAY 86

TITLE: MANHOLE SAFETY: ANOTHER VIEW.

PERSONAL AUTHOR: AUGUSTINE, JOE

DESCRIPTOR: \*ACCIDENT PREVENTION; \*MANHOLE ENTRY;  
\*MANHOLES; \*SAFETY; \*SEWERS; \*WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 16-18P.

ABSTRACT: THIS ARTICLE IS A RESPONSE TO AN ARTICLE ON MANHOLE ENTRY THAT APPEARED IN THE MARCH 1986 FORUM. THE PROCEDURE DESCRIBED IN THIS ARTICLE IS WHAT THE CALIFORNIA WATER POLLUTION CONTROL ASSOCIATION SAFETY COMMITTEE RECOMMENDS.

AVAILABILITY: OPERATIONS FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013364

PUBLICATION DATE: MAY 86

TITLE: A LOW BUDGET ALARM SYSTEM.

PERSONAL AUTHOR: VENERON, KEN

DESCRIPTOR: \*ALARM SYSTEMS; \*COSTS; \*NEW YORK; \*MANAGEMENT;  
\*OPERATIONS (WASTEWATER); \*PUMP STATIONS; \*WASTEWATER  
COLLECTION

DESCRIPTIVE NOTE: 19-20P.

ABSTRACT: DESCRIBED IS A LOW BUDGET ALARM SYSTEM FOR A NEW  
YORK TOWN TO INDICATE PROBLEMS WITH UPSET CONDITIONS WITH  
PUMP STATIONS. THE SYSTEM USES A DIGITAL MICROCOMMUNICATOR  
AND TELEPHONE LINES.

AVAILABILITY: OPERATIONS FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013365

PUBLICATION DATE: MAY 86

TITLE: PROCESS CONTROL FUNDAMENTALS.

PERSONAL AUTHOR: HOBSON, TIM

DESCRIPTOR: \*ACTIVATED SLUDGE PROCESS; \*MANAGEMENT;  
\*OPERATIONS (WASTEWATER); \*OBSERVATIONS; \*WASTEWATER  
TREATMENT

DESCRIPTIVE NOTE: 24-27P.

ABSTRACT: THIS IS THE FIRST OF A SERIES OF ARTICLES ON  
ACTIVATED SLUDGE PROCESS CONTROL FUNDAMENTALS.  
AVAILABILITY: OPERATIONS FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013369

PUBLICATION DATE: MAY 86

TITLE: CO-DISPOSAL FACILITY REPLACES NINE TREATMENT PLANTS.

DESCRIPTOR: \*CO-DISPOSAL; \*FACILITIES; \*INCINERATION;  
\*MINNESOTA; \*SLUDGE; \*SOLID WASTES; \*WASTE DISPOSAL;  
\*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 54-55P.

ABSTRACT: REFUSE DERIVED FUEL IS USED IN A MINNESOTA CO-  
DISPOSAL FACILITY TO INCINERATE SEWAGE SLUDGE.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013370

PUBLICATION DATE: MAY 86

TITLE: EARLY AND CURRENT SYSTEMS USING REFUSE DERIVED FUEL.

PERSONAL AUTHOR: SMITH, M. L.

DESCRIPTOR: \*ENERGY PRODUCTION; \*RECYCLING; \*REFUSE DERIVED  
FUEL; \*REFUSE; \*SOLID WASTES; \*WASTE DISPOSAL; \*FACILITIES

DESCRIPTIVE NOTE: 58-62P.

ABSTRACT: PRESENTED IS AN EXAMINATION OF THE PREPARATION  
AND BURNING OF REFUSE DERIVED FUEL.

AVAILABILITY: PUBLIC WORKS, V117 N5

IRIS ACCESSION NUMBER: EW013371

PUBLICATION DATE: MAY 86

TITLE: SUMMER DISCOUNT METHODS IN SANITARY SEWER RATE  
STRUCTURES.

PERSONAL AUTHOR: WISEMAN, ROBERT D.

DESCRIPTOR: \*DISCOUNTS; \*SERVICE CHARGES; \*WATER RATES;  
\*SEWER RATES; \*WASTEWATER COLLECTION; \*WATER USE

DESCRIPTIVE NOTE: 63-64, 96, 90P.

ABSTRACT: PRESENTED IS A DISCUSSION OF APPROPRIATE  
DISCOUNTS TO APPLY WHEN SEWER USE CHARGES ARE TIED TO WATER  
CONSUMPTION.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013372

PUBLICATION DATE: MAY 86

TITLE: USED CHASSIS MAKES SEWER AND CATCH BASIN CLEANER  
AFFORDABLE.

PERSONAL AUTHOR: GILLES, THOMAS P.; AND OTHERS

DESCRIPTOR: \*CATCH BASINS; \*CLEANING EQUIPMENT; \*COSTS;  
\*EQUIPMENT; \*SEWERS; \*OHIO; MAINTENANCE

DESCRIPTIVE NOTE: 65-66P.

ABSTRACT: DESCRIBED IS A SEWER AND CATCH BASIN CLEANER USED  
BY A SMALL OHIO COUNTY.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013373

PUBLICATION DATE: MAY 86

TITLE: A SOLUTION TO RESIDENTIAL SEWER BACKUPS.

PERSONAL AUTHOR: ADAMS, THOMAS R.; CRANE, GREGORY

DESCRIPTOR: \*FLOW REGULATORS; \*PREVENTIVE MAINTENANCE;

\*MAINTENANCE; \*SEWERS; \*SEWER BACKUPS; \*WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 78-71P.

ABSTRACT: INLET FLOW CONTROLS AND A SHORT RELIEF SEWER SOLVED A LOCAL SEWER BACKUP PROBLEM.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013374

PUBLICATION DATE: MAY 86

TITLE: THE EVOLUTION OF A RESOURCE RECOVERY FACILITY.

PERSONAL AUTHOR: GAGLIARDO, MICHAEL A.

DESCRIPTOR: DESIGN; \*FACILITIES; MARYLAND; CONSTRUCTION; \*RESOURCE RECOVERY; \*PERFORMANCE EVALUATION; \*SOLID WASTES; \*WASTE DISPOSAL; \*OPERATIONS (SOLID WASTES)

DESCRIPTIVE NOTE: 72-75P.

ABSTRACT: REVIEWED ARE IMPLEMENTATION AND TESTING OF A RESOURCE RECOVERY FACILITY IN BALTIMORE.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013375

PUBLICATION DATE: MAY 86

TITLE: USING THE FECAL COLIFORM TEST FOR SEWER AND STORM DRAIN MAINTENANCE.

PERSONAL AUTHOR: DITTMER, ERIC R.

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; BACTERIA; \*BIOLOGICAL INDICATORS; \*FECAL COLIFORM; LABORATORY PROCEDURES; \*LEAK DETECTION; \*SEWERS; STORM SEWERS; SEWER LEAKS; \*WASTEWATER COLLECTION; \*PUBLIC HEALTH

DESCRIPTIVE NOTE: 75, 98, 100P.

ABSTRACT: DESCRIBED IS THE USE OF THE FECAL COLIFORM TEST FOR TRACING SANITARY SEWAGE LEAKS IN AN OREGON COMMUNITY.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013376

PUBLICATION DATE: MAY 86

TITLE: A REVIEW OF WASTE-TO-ENERGY TECHNOLOGY. PART ONE.

PERSONAL AUTHOR: REILLY, THOMAS C.

DESCRIPTOR: \*ECONOMICS; COSTS; \*ENERGY PRODUCTION; \*FACILITIES; \*RESOURCE RECOVERY; SERVICE RATES; \*SOLID WASTES; \*WASTE DISPOSAL; \*TECHNOLOGY; \*POLLUTION CONTROL

DESCRIPTIVE NOTE: 76-79, 100P.

ABSTRACT: THIS IS PART 1 OF A SERIES REVIEWING WASTE-TO-ENERGY TECHNOLOGY. THIS PART PRESENTS A DETAILED DISCUSSION, INCLUDING EXAMPLES, OF WASTE-TO-ENERGY FACILITIES AND TECHNOLOGY.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013377

PUBLICATION DATE: MAY 86

TITLE: PERFORMANCE APPRAISAL: YOUR QUESTIONS ANSWERED.

PERSONAL AUTHOR: KIRKPATRICK, DONALD L.

DESCRIPTOR: \*EVALUATION; \*PERFORMANCE APPRAISAL; \*PERSONNEL

DESCRIPTIVE NOTE: 68-71P.

ABSTRACT: BOTH HRD PROFESSIONALS AND MANAGERS STILL ARE UNSURE ABOUT HOW TO CONDUCT AND EVALUATE EFFECTIVE, FAIR APPRAISAL PROGRAMS. THIS ARTICLE PRESENTS IDEAS TO ANSWER SOME OF THE QUESTIONS ASKED MOST FREQUENTLY.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013378

PUBLICATION DATE: MAY 86

TITLE: CREATING A PERFORMANCE MANAGEMENT SYSTEM.

PERSONAL AUTHOR: SCHNEIER, CRAIG ERIC; AND OTHERS

DESCRIPTOR: \*EVALUATION; \*MANAGEMENT; \*PERFORMANCE APPRAISAL; \*PERFORMANCE EVALUATION; \*PERSONNEL

DESCRIPTIVE NOTE: 74-79P.

ABSTRACT: THIS ARTICLE COMPLETES A TWO-PART SERIES BEGUN IN APRIL THAT SHOWS PERFORMANCE MANAGEMENT SYSTEMS TO BE THE NEXT STAGE IN THE EVOLUTION OF TRADITIONAL PERFORMANCE APPRAISAL.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013379

PUBLICATION DATE: MAY 86

TITLE: TRAINING PROPOSALS THAT SELL THEMSELVES.



PERSONAL AUTHOR: SWEETNAM, SHERRY  
DESCRIPTOR: \*GUIDELINES; \*PROPOSALS; \*PROPOSAL WRITING;  
\*TRAINING PROPOSALS

DESCRIPTIVE NOTE: 82-83P.

ABSTRACT: PRESENTED ARE SOME GUIDELINES TO INCREASE THE SUCCESS RATE OF TRAINING PROPOSALS.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V4# N5

IRIS ACCESSION NUMBER: EW#1338#

PUBLICATION DATE: MAY 86

TITLE: UNION-MANAGEMENT COOPERATION.

PERSONAL AUTHOR: COHEN-ROSENTHAL, EDWARD; BURTON, CYNTHIA

DESCRIPTOR: \*DESIGN; LABOR; \*MANAGEMENT; PLANNING; \*PROGRAM DEVELOPMENT; \*UNIONS; TRAINING

DESCRIPTIVE NOTE: 96-98P.

ABSTRACT: QUALITY-OF-WORK-LIFE APPROACHES MAKE A COOPERATIVE CLIMATE A STRONG POSSIBILITY. SMOOTH RELATIONS BETWEEN UNIONS AND MANAGEMENT ARE SHOWN AS A FUNCTION OF PLANNING AND IMPLEMENTATION.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V4# N5

IRIS ACCESSION NUMBER: EW#13381

PUBLICATION DATE: MAY 86

TITLE: WHO ARE THE HARDY?

PERSONAL AUTHOR: NOWACK, KENNETH M.

DESCRIPTOR: \*BURNOUT; \*HEALTH; \*HEALTH ASSESSMENT AUDIT; \*PERSONNEL; \*STRESS; \*TRAINING

DESCRIPTIVE NOTE: 116-18P.

ABSTRACT: UNDERSTANDING WHY SOME EMPLOYEES WORK BETTER UNDER STRESS CAN GO A LONG WAY TOWARD HELPING THOSE THAT CAN'T COPE IMPROVE THEIR PRODUCTIVITY. THIS ARTICLE PROVIDES A GUIDE TO HELP IDENTIFY LESS STRESS-RESISTANT EMPLOYEES, WHY THEY HAVE TROUBLE COPING, AND WHAT CAN BE DONE TO HELP THEM.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V4# N5

IRIS ACCESSION NUMBER: EW#13382

PUBLICATION DATE: DEC 85

TITLE: AQUATIC WEED CONTROL. DECEMBER 1981-1985 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*AQUATIC WEEDS; \*BIOLOGICAL CONTROL; \*HERBICIDES; \*WEEDS; \*WEED CONTROL

DESCRIPTIVE NOTE: 164P. PRICE CODE: PC N#1/MF N#1. ORDER NO.: PBOG-85427#WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF HERBICIDES AND BIOLOGICAL METHODS IN THE MANAGEMENT OF NUISANCE AQUATIC WEEDS. DESCRIPTIONS OF PROGRAMS UNDERTAKEN IN VARIOUS REGIONS OF THE UNITED STATES ARE PRESENTED AS WELL AS SPECIFIC HERBICIDES AND BIOLOGICAL CONTROL METHODS. WATER HYACINTH, ALGAE, SEAGRASSES, EURASIAN WATERMILFOIL, AND HYDRILLA ARE AMONG THE AQUATIC PLANTS DISCUSSED. SOME ATTENTION IS GIVEN TO MECHANICAL CONTROL METHODS AND ENVIRONMENTAL EFFECTS OF VARIOUS PROGRAMS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 163 CITATIONS, 52 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13383

PUBLICATION DATE: JAN 86

TITLE: ASBESTOS: INDUSTRIAL APPLICATIONS AND PRECAUTIONS. 1974-1985 (CITATIONS FROM INFORMATION SERVICES IN MECHANICAL ENGINEERING DATA

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; \*ASBESTOS; BIBLIOGRAPHIES; \*FEDERAL ROLE; \*INDUSTRY; \*HEALTH; \*PUBLIC HEALTH; \*REGULATIONS; \*OCCUPATIONAL HEALTH

DESCRIPTIVE NOTE: 92P. PRICE CODE: PC N#1/MF N#1. ORDER NO.: PBOG-857174/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE IMPACTS THAT FEDERAL REGULATIONS HAVE HAD ON THE USE OF ASBESTOS IN INDUSTRIAL ENVIRONMENTS. THE ADVANTAGES AND DISADVANTAGES OF THE APPLICATION OF INDUSTRIAL ROBOTS IN AREAS OF HIGH CONCENTRATIONS OF ASBESTOS DUST, THE USE OF WATER AS A CUTTING TOOL TO CONTROL THE GENERATION OF ASBESTOS DUST, ASBESTOS SUBSTITUTE MATERIALS IN INDUSTRIAL APPLICATIONS, AND GOVERNMENTAL POLICIES AND ATTITUDES RELATIVE TO HEALTH AND WELFARE OF WORKERS SUBJECTED TO ASBESTOS ARE AMONG THE TOPICS DISCUSSED. THERMAL INSULATION PROPERTIES, WEAR CHARACTERISTICS, HIGH TEMPERATURE CAPABILITIES, AND ASBESTOS REINFORCEMENT IN COMPOSITE MATERIALS ARE INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 146 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013384  
PUBLICATION DATE: FEB 86

TITLE: CHEMICAL ANALYSIS TECHNIQUES TO TRACE ELEMENTS, FEBRUARY 1984-FEBRUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; \*ANALYTICAL TECHNIQUES; BIBLIOGRAPHIES; \*AIR POLLUTION; \*CHEMICAL ANALYSIS; \*LABORATORY PROCEDURES; \*SOIL POLLUTION; \*TRACE POLLUTION; \*TRACE ELEMENTS; \*WATER POLLUTION

DESCRIPTIVE NOTE: 143P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857248/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING METHODS AND EQUIPMENT USED IN THE CHEMICAL ANALYSIS OF TRACE ELEMENTS AND COMPOUNDS OCCURRING IN TRACE AMOUNTS. ELECTRON MICROSCOPY, NEUTRON ACTIVATION ANALYSIS, SPECTROSCOPIC TECHNIQUES, DIFFRACTION, AND FLUORESCENCE ARE AMONG THE ANALYTICAL METHODS CONSIDERED. BIOLOGICAL TISSUE, AND AIR, SOIL, AND WATER POLLUTANTS ARE DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 142 CITATIONS, 73 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013386

PUBLICATION DATE: MAR 85

TITLE: COMPENDIUM OF PROTECTIVE EYEWEAR.

PERSONAL AUTHOR: MOSS, C. E.

DESCRIPTOR: \*ACCIDENT PREVENTION; \*EQUIPMENT; \*EYEWEAR; \*SAFETY

DESCRIPTIVE NOTE: 87P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-135779/WEP

ABSTRACT: WEARING APROPRIATE EYE AND FACE PROTECTION DEVICES WILL PREVENT OR MINIMIZE MOST EYE AND/OR FACIAL INJURIES. HOWEVER, AT PRESENT THERE IS NO DATA SOURCE AVAILABLE ON COMMERCIALY AVAILABLE EYE AND FACE PROTECTORS. TO PROVIDE CHARACTERISTICS AND OTHER PRODUCT INFORMATION, THIS COMPENDIUM HAS BEEN DEVELOPED TO LIST ALL COMMERCIALY AVAILABLE EYEWEAR PRODUCTS MANUFACTURED IN THE UNITED STATES AS OF JULY 1, 1984. THE EYE PROTECTORS LISTED IN THIS COMPENDIUM INCLUDE SPECTACLES, GOGGLES, WELDING HELMETS/HAND SHIELDS, FACE SHIELDS, AND FILTER PLATES. THE INFORMATION PROVIDED WILL ASSIST THE HEALTH AND SAFETY COMMUNITY IN SELECTING APPROPRIATE EYE AND FACE PROTECTION FOR THE JOB.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013387  
PUBLICATION DATE: SEP 85

TITLE: CONSIDERATIONS IN RANGELAND WATERSHED MONITORING.

PERSONAL AUTHOR: JACKSON, W. L.; AND OTHERS

DESCRIPTOR: \*MONITORING; \*RANGELAND; \*WATERSHEDS; \*WATER RESOURCES; \*WATER SUPPLY; \*WATER QUALITY

DESCRIPTIVE NOTE: 30P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-135399/WEP

ABSTRACT: THE REPORT DESCRIBES THE COMPONENTS OF A RANGELAND WATERSHED MONITORING PLAN, DISTINGUISHES BETWEEN DIRECT MONITORING STRATEGIES (SAMPLING) AND INDIRECT MONITORING STRATEGIES (MODELING), DESCRIBES COMMON WATERSHED MONITORING TECHNIQUES, AND DISCUSSES STATISTICAL CONSIDERATIONS IN SAMPLING DESIGNS AND DATA ANALYSIS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013388

PUBLICATION DATE: NOV 85

TITLE: COST AND PERFORMANCE EVALUATION OF IN-PLANT TRIHALOMETHANE CONTROL TECHNIQUES.

PERSONAL AUTHOR: TAYLOR, J. S.; AND OTHERS

DESCRIPTOR: \*COSTS; \*OPERATIONS (WATER); \*PERFORMANCE EVALUATION; \*THM; \*TRICHALOMETHANE; \*WATER TREATMENT

DESCRIPTIVE NOTE: 440P. PRICE CODE: PC A19/MF A01. ORDER NO.: PB86-130515/WEP

ABSTRACT: BENCH-, PILOT-, OR FULL-SCALE STUDIES WERE CONDUCTED TO EVALUATE THE COST AND PERFORMANCE OF SELECTED TREATMENT TECHNOLOGIES FOR REDUCING TRIHALOMETHANE CONCENTRATIONS IN DRINKING WATER. THE FOUR FLORIDA PLANT SITES THAT WERE SELECTED FOR STUDY USED HIGHLY ORGANIC SURFACE OR GROUND RAW WATER SOURCES AND SERVED POPULATIONS OF LESS THAN 30,000. LOW-PRESSURE MEMBRANE PROCESSES (ULTRAFILTRATION), POLYVALENT ALUMINUM CHLORIDE (PAC1) COAGULATION, DISSOLVED AIR AND FROTH FLOTATION, LIME SOFTENING FOLLOWED BY ALUM COAGULATION, AND MODIFICATIONS TO CONVENTIONAL LIME SOFTENING AND ALUM COAGULATION WERE INVESTIGATED. SHORT-TERM PILOT-SCALE TESTING OF AN ULTRAFILTRATION PROCESS SHOWED GREAT PROMISE AS A THM CONTROL TECHNOLOGY; HOWEVER, FURTHER WORK ON PROCESS PRETREATMENT AND DISPOSAL OF REJECT WATER IS INDICATED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013389  
PUBLICATION DATE: JAN 86

TITLE: DISINFECTANTS: CHLORINE AND CHLORINE DIOXIDE.  
1978-JANUARY 1986 (CITATIONS FROM THE LIFE SCIENCES  
COLLECTION DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*CHLORINE; \*CHLORINE DIOXIDE; \*DISINFECTION; \*OPERATIONS  
(WASTEWATER); \*RESEARCH; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 166P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-856424/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
THE ANTIMICROBIAL PROPERTIES OF CHLORINE AND CHLORINE  
DIOXIDE. THE USE OF CHLORINE FOR THE INACTIVATION OF  
VIRUSES, BACTERIA AND FUNGI IN WASTEWATER TREATMENT PLANTS  
IS DISCUSSED, INCLUDING THE MODE OF ACTION AND FACTORS  
INFLUENCING INACTIVATION. THE USE OF CHLORINE DIOXIDE AS AN  
ALTERNATIVE TO CHLORINE DISINFECTION IN SWIMMING POOLS AND  
WATER SUPPLIES, AND POSSIBLE ADVERSE EFFECTS ARE ALSO  
DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 200  
CITATIONS, 20 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS  
EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013390  
PUBLICATION DATE: DEC 85

TITLE: EUTROPHIC LAKES. 1978-1985 (CITATIONS FROM THE  
SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*EUTROPHIC LAKES; \*LAKES; \*RESEARCH; \*WATER QUALITY; \*WATER  
RESOURCES

DESCRIPTIVE NOTE: 204P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-854411/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
CAUSES, EFFECTS, AND VARIOUS APPROACHES IN LIMITING NUTRIENT  
LOADING INTO EUTROPHIC LAKES THROUGHOUT THE WORLD. NUTRIENT  
REMOVAL TREATMENT AND PERFORMANCE IS INCLUDED IN ANOTHER  
BIBLIOGRAPHY. EUTROPHIC LAKE IDENTIFICATION, AND ECOLOGICAL  
AND LIMNOLOGICAL STUDIES OF EUTROPHIC LAKE DEVELOPMENT AND  
RESTORATION ARE PRESENTED. INCLUDED IN THE CITATIONS ARE  
DISCUSSIONS OF PHOSPHORUS AND NITROGEN CONCENTRATIONS IN  
LAKES, AND ANALYSES OF LAKE WATER QUALITY. (THIS UPDATED  
BIBLIOGRAPHY CONTAINS 194 CITATIONS, 50 OF WHICH ARE NEW  
ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE; 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013391  
PUBLICATION DATE: JUN 85

TITLE: EVALUATION OF EMERGING TECHNOLOGIES FOR THE  
DESTRUCTION OF HAZARDOUS WASTES.

PERSONAL AUTHOR: RADIMSKY, J.; SHAH, A.

DESCRIPTOR: \*ALTERNATIVE TECHNOLOGY; \*INNOVATIONS;  
\*HAZARDOUS WASTES; \*OPERATIONS (WASTE TREATMENT);  
\*RECOMMENDATIONS; \*TECHNOLOGY; \*WASTE TREATMENT

DESCRIPTIVE NOTE: 100P. PRICE CODE: PC A06/MF A01. ORDER  
NO.: PB86-128717/WEP

ABSTRACT: THE OBJECTIVE OF THE REPORT IS TO PROVIDE  
DETAILED INFORMATION REGARDING FOUR INNOVATIVE ALTERNATIVE  
TECHNOLOGIES DEMONSTRATION PROJECTS FOR TREATING AND  
DESTROYING HAZARDOUS WASTES. UNDER A COOPERATIVE AGREEMENT  
BETWEEN THE U.S. ENVIRONMENTAL PROTECTION AGENCY AND THE  
STATE OF CALIFORNIA, THE DEPARTMENT OF HEALTH SERVICES (DHS)  
CARRIED OUT A PILOT SCALE TEST PROGRAM ON THE FOLLOWING  
PROMISING TECHNOLOGIES: HIGH TEMPERATURE FLUID-WALL,  
EVALUATION OF EMISSION TESTS FROM SUNOHIO MOBILE TREATMENT  
PROCESS, WET AIR OXIDATION, AND EVALUATION OF EMISSION TESTS  
FROM WET AIR OXIDATION ZIMPRO PROCESS. DISCUSSIONS OF THE  
ABOVE PROCESSES INCLUDE PROJECT DESCRIPTIONS, RESULTS,  
CONCLUSIONS, AND RECOMMENDATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013392

PUBLICATION DATE: DEC 85

TITLE: FOOD PROCESSING WASTE TREATMENT. 1976-1985  
(CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*EQUIPMENT; \*FOOD PROCESSING; \*INDUSTRY; \*OPERATIONS (FOOD  
PROCESSING); \*WASTE TREATMENT

DESCRIPTIVE NOTE: 147P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-854247/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
METHODS AND EQUIPMENT UTILIZED IN THE TREATMENT OF FOOD  
PROCESSING WASTES. SPECIFIC FOOD INDUSTRIES INCLUDE  
MEATPACKING, FRUIT AND VEGETABLE, SEAFOOD, AND POULTRY.  
PROCESSES AND EQUIPMENT USED IN THE DAIRY INDUSTRY ARE ALSO  
DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 160  
CITATIONS, 17 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS  
EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13393  
PUBLICATION DATE: SEP 85

TITLE: GUIDANCE PACKAGE FOR DEVELOPING BASE LEVEL ENVIRONMENTAL ASSESSMENTS.

PERSONAL AUTHOR: COLLINS, RUSSELL D.; AND LAMB, R. W.

DESCRIPTOR: \*AIR FORCE; ENVIRONMENT; \*ENVIRONMENTAL ASSESSMENT; \*GUIDELINES; \*REGULATIONS

DESCRIPTIVE NOTE: 73P. PRICE CODE: PC A04/MF A01. ORDER NO.: AD-A160 938/7/WEP

ABSTRACT: THE AIR FORCE ENGINEERING DIVISION HAS IDENTIFIED THE NEED TO DEVELOP GUIDELINES TO ENSURE THAT AF ENVIRONMENTAL ASSESSMENTS (EAS) COVER ALL TOPICS RELEVANT TO AN ACTION'S IMPACT ON THE ENVIRONMENT. THIS THESIS EXAMINED THE PROBLEM AREAS OF CURRENT AF EAS, AND THE REGULATIONS CURRENTLY USED. FROM THE RESEARCH, A DRAFT PAMPHLET HAS BEEN DEVELOPED AND IS BEING WORKED FOR FUTURE PUBLICATION. THE PAMPHLET WAS DEVELOPED FROM INTERVIEWS WITH AIR FORCE PERSONNEL WHO WORKED WITH EAS ON A DAILY BASIS, AND FROM EXAMINING PAST AF ASSESSMENTS THAT HAVE COVERED THE REQUIRED INFORMATION. BESIDES PUBLISHING THE PAMPHLET, OTHER RECOMMENDATIONS INCLUDE A FIELD TRAINING CLASS ON EA PREPARATION, LEADERSHIP AND MANAGEMENT AWARENESS PROGRAMS ON THE IMPORTANCE OF ASSESSMENTS, AND AN INFORMATION PACKAGE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13395

PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR ARSENIC.

DESCRIPTOR: \*ARSENIC; \*CHEMICALS; \*HEALTH EFFECTS; \*HEALTH; \*TOXIC SUBSTANCES; \*RISK ASSESSMENT

DESCRIPTIVE NOTE: 60P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-134319/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q(SUB 1) WAS DETERMINED FOR ARSENIC BASED ON ORAL AND INHALATION EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13396  
PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR ETHYLBENZENE.

DESCRIPTOR: \*ETHYLBENZENE; \*CHEMICALS; \*HEALTH EFFECTS; \*HEALTH; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 29P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134194/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A SUBCHRONIC AND CHRONIC INTERIM ACCEPTABLE INTAKE WAS DETERMINED FOR ETHYLBENZENE BASED ON ORAL EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13397

PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR MERCURY.

DESCRIPTOR: \*CHEMICALS; HEALTH; \*HEALTH EFFECTS; \*MERCURY; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 40P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134533/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A SUBCHRONIC AND CHRONIC INTERIM ACCEPTABLE INTAKE WAS DETERMINED FOR MERCURY BASED ON BOTH ORAL AND INHALATION EXPOSURE. ESTIMATES FOR MIXED ALKYL AND INORGANIC MERCURY ALONE ARE PRESENTED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013398  
PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR NAPHTHALENE.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*NAPHTHALENE; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-134251/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY  
ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS  
DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT  
OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL  
RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED  
GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC  
SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES  
ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES  
ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION  
ROUTES. SUFFICIENT DATA ARE NOT AVAILABLE AT THIS TIME ON  
NAPHTHALENE TO DETERMINE EITHER ACCEPTABLE INTAKES OR Q(SUP  
1) S.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013399

PUBLICATION DATE: SEP 84  
TITLE: HEALTH EFFECTS ASSESSMENT FOR PHENOL.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*PHENOL;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 28P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-134186/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY  
ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS  
DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT  
OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL  
RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED  
GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC  
SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES  
ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES  
ARE DETERMINED FOR CARCINOGENS FOR BOTH RAL AND INHALATION  
ROUTES. A SUBCHRONIC AND CHRONIC INTERIM ACCEPTABLE INTAKE  
WAS DETERMINED FOR PHENOL BASED ON BOTH ORAL AND INHALATION  
EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013400  
PUBLICATION DATE: JAN 86

TITLE: ION EXCHANGE RESINS. FEBRUARY 1983-1985 (CITATIONS  
FROM THE ENERGY DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
CHEMICAL REACTIONS; HEAVY METALS; \*ION EXCHANGE; \*ION  
EXCHANGE RESINS; RADIOACTIVE WASTES; \*RESINS; \*WASTE  
TREATMENT; \*WATER TREATMENT; \*RESOURCE RECOVERY

DESCRIPTIVE NOTE: 201P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-056135/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
ION EXCHANGE RESINS AND MATERIALS AND OTHER APPLICATIONS.  
RECOVERY, PURIFICATION, AND TREATMENT OF URANIUM, PLUTONIUM,  
THORIUM, AND OTHER HEAVY METALS; OF RADIOACTIVE WASTES; AND,  
OF WATER AND OTHER VARIOUS SUBSTANCES ARE DISCUSSED.  
UTILIZATION OF ION EXCHANGE RESINS IN NUCLEAR REACTORS AND  
POWER PLANTS, AND IN CHEMICAL REACTIONS AND PROCEDURES ARE  
INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 201 CITATIONS,  
73 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013401

PUBLICATION DATE: JAN 86  
TITLE: LASER RADIATION; BIOLOGICAL EFFECTS. 1978-JANUARY  
1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ACCIDENT PREVENTION; \*ANNOTATED  
BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*BIOLOGICAL EFFECTS;  
\*HEALTH; \*HEALTH EFFECTS; \*LASER RADIATION; \*LASERS;  
\*RADIATION; \*SAFETY

DESCRIPTIVE NOTE: 103P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-056906/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
RADIATION INJURIES, PERMISSIBLE DOSAGE, PROTECTIVE DEVICES,  
AND SAFETY MEASURES. INCLUDED ARE REFERENCES REGARDING THE  
PATHOLOGY OF EYE LESIONS CAUSED BY LASERS. (THIS UPDATED  
BIBLIOGRAPHY CONTAINS 125 CITATIONS, 12 OF WHICH ARE NEW  
ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013402

PUBLICATION DATE: DEC 85

TITLE: MALATHION TOXICITY. 1970-1985 (CITATIONS FROM THE  
LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*ANNOTATED  
BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*ENVIRONMENTAL EFFECTS;  
\*INSECTICIDES; \*MALATHION; \*PESTICIDES; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 113P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-854882/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
THE TOXIC EFFECTS OF THE INSECTICIDE MALATHION. TOPICS  
INCLUDE LABORATORY ANALYSES AND FIELD INVESTIGATIONS OF  
BLOOD CHEMISTRY ALTERATION, SYNERGISTIC EFFECTS WITH OTHER  
COMPOUNDS, DOSAGE EFFECTS, AND OCCUPATIONAL EXPOSURE  
STUDIES. EFFECTS ON NUCLEIC ACID SYNTHESIS AND CHOLESTEROL  
AND LIPID LEVELS ARE ALSO TREATED. DETECTION AND ANALYTICAL  
METHODS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS  
141 CITATIONS, 46 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS  
EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013403

PUBLICATION DATE: DEC 85

TITLE: METALS RECOVERY FROM WASTES. 1977-1985(CITATIONS  
FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*INDUSTRIAL WASTES; \*METALS; \*RECYCLING; \*RESOURCE RECOVERY;  
\*WASTE TREATMENT; \*WASTEWATER TREATMENT  
DESCRIPTIVE NOTE: 221P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-854122/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
THE RECOVERY AND RECYCLING OR REUSE OF FERROUS AND  
NONFERROUS METALS FROM VARIOUS INDUSTRIAL WASTES, ESPECIALLY  
WASTE WATERS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 224  
CITATIONS, 20 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS  
EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE; 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013404

PUBLICATION DATE: AUG 85

TITLE: METHODS FOR ASSESSING EXPOSURE TO CHEMICAL  
SUBSTANCES. VOLUME 5. METHODS FOR ASSESSING EXPOSURE TO  
CHEMICAL SUBSTANCES IN DRINKIN

PERSONAL AUTHOR: DIXON, D. A.; AND OTHERS

DESCRIPTOR: \*CHEMICALS; \*DRINKING WATER; \*MONITORING; \*RISK  
ASSESSMENT; \*WATER TREATMENT; \*WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 163P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-132156/WEP

ABSTRACT: THE REPORT, ONE OF A SERIES OF REPORTS CONCERNING  
EXPOSURE ASSESSMENT, DESCRIBES METHODS FOR ESTIMATING  
EXPOSURE TO CHEMICAL SUBSTANCES VIA DRINKING WATER. THE  
REPORT IS ORGANIZED TO REFLECT THE FRAMEWORK OR FLOW OF  
REQUIRED INFORMATION. SECTION 2 PROVIDES AN OVERVIEW OF  
DRINKING WATER SYSTEMS AND THE PATHWAYS OF EXPOSURE TO  
CHEMICAL SUBSTANCES IN DRINKING WATER, FROM THE SOURCE OF  
THE SUBSTANCE THROUGH THE TREATMENT AND DISTRIBUTION SYSTEMS  
TO THE CONSUMING POPULATION. SECTION 3 CATALOGUES AND  
DISCUSSES THE VARIOUS DATA BASES AND INFORMATION SOURCES  
THAT AID IN THE IDENTIFICATION OF CONTAMINATED DRINKING  
WATER SUPPLIES. SECTION 4 PRESENTS AND DISCUSSES METHODS AND  
SIMULATION MODELS THAT CAN BE USED TO ESTIMATE THE  
CONCENTRATION OF CHEMICAL SUBSTANCES IN BOTH SURFACE AND  
GROUND WATER. SECTION 5 DISCUSSES DRINKING WATER TREATMENT  
SYSTEMS AND PROCESSES, THE EFFECT THE SYSTEMS AND PROCESSES  
HAVE ON DIFFERENT TYPES OF CHEMICAL SUBSTANCES, AND HOW THE  
INFORMATION CAN BE USED TO PREDICT THE CONCENTRATION OF A  
CHEMICAL SUBSTANCE IN FINISHED DRINKING WATER. SECTION 6  
BRIEFLY DISCUSSES THE ENUMERATION AND CHARACTERIZATION OF  
EXPOSED POPULATIONS; DETAILED INFORMATION ON THE SUBJECT IS  
PROVIDED IN VOLUME 4 OF THE SERIES. FINALLY, SECTION 7  
DISCUSSES THE PROCEDURES FOR CALCULATING EXPOSURE AS A  
RESULT OF CONTACT WITH CONTAMINATED DRINKING WATER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013405

PUBLICATION DATE: DEC 85

TITLE: METHODS FOR EVALUATING THE BIOLOGICAL IMPACT OF  
POTENTIALLY TOXIC WASTE APPLIED TO SOILS.

PERSONAL AUTHOR: NEUHAUSER, E. F.

DESCRIPTOR: \*BIOLOGICAL INDICATORS; BIOLOGY; CHEMICALS;  
\*ENVIRONMENTAL IMPACT; \*LAND APPLICATION; \*RESEARCH REPORTS;  
\*SOILS; \*TOXIC WASTES

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-141264/WEP

ABSTRACT: THE STUDY WAS DESIGNED TO EVALUATE TWO METHODS  
THAT CAN BE USED TO ESTIMATE THE BIOLOGICAL IMPACT OF  
ORGANICS AND INORGANICS THAT MAY BE IN WASTES APPLIED TO  
LAND FOR TREATMENT AND DISPOSAL. THE TWO METHODS WERE THE  
CONTACT TEST AND THE ARTIFICIAL SOIL TEST. THE CONTACT TEST  
IS A 48 HR TEST USING AN ADULT WORM, A SMALL GLASS VIAL, AND  
FILTER PAPER TO WHICH THE TEST CHEMICAL OR WASTE IS APPLIED.  
THE TEST IS DESIGNED TO PROVIDE CLOSE CONTACT BETWEEN THE  
WORM AND A CHEMICAL SIMILAR TO THE SITUATION IN SOILS. THE  
METHOD PROVIDES A RAPID ESTIMATE OF THE RELATIVE TOXICITY OF  
CHEMICALS AND INDUSTRIAL WASTES. THE ARTIFICIAL SOIL TEST  
USES A MIXTURE OF SAND, KAOLIN, PEAT AND CALCIUM CARBONATE  
AS A REPRESENTATIVE SOIL. DIFFERENT CONCENTRATIONS OF THE  
TEST MATERIAL ARE ADDED TO THE ARTIFICIAL SOIL. ADULT WORMS  
ARE ADDED AND WORM SURVIVAL IS EVALUATED AFTER TWO WEEKS.  
THESE STUDIES HAVE SHOWN THAT: EARTHWORMS CAN DISTINGUISH  
BETWEEN A WIDE VARIETY OF CHEMICALS WITH A HIGH DEGREE OF  
ACCURACY.



AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013406

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: ACETONITRILE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*ACETONITRILE; \*CHEMICALS; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-129566/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161.

IRIS ACCESSION NUMBER: EW013407

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: ACROLEIN.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*ACROLEIN; \*CHEMICALS; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-143542/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE

CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013408

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: ACRYLONITRILE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*ACRYLONITRILE; \*CHEMICALS; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 71P. PRICE CODE: PC A04/MF A01. ORDER  
NO.: PB86-145919/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013409

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: AMITROLE.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: \*AMITROLE; \*CHEMICALS; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285

PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013410

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ANILINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*ANILINE; \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PBB6-144615/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013411

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ARSINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*ARSINE; \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PBB6-143518/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285

PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013412

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: AZIRIDINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*AZIRIDINE; \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 23P. PRICE CODE: PC A02/MF A01. ORDER NO.: PBB6-136587/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013413

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: BENZYL CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*BENZYL CHLORIDE; \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 33P. PRICE CODE: PC A03/MF A01. ORDER NO.: PBB6-143344/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

38



AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13414

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPHS ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: BENZENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*BENZENE; \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 59P. PRICE CODE: PC A#4/MF A#1. ORDER  
NO.: PB86-149341/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13415

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CARBARYL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CARBARYL; \*CHEMICALS; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A#3/MF A#1. ORDER  
NO.: PB86-143427/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13416

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CARBON DISULFIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CARBON DISULFIDE; \*CHEMICALS; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 39P. PRICE CODE: PC A#3/MF A#1. ORDER  
NO.: PB86-143476/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13417

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CARBON TETRACHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CARBON TETRACHLORIDE; \*CHEMICALS; \*HEALTH;  
\*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 45P. PRICE CODE: PC A#3/MF A#1. ORDER  
NO.: PB86-143377/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE

CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013418

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CHLOROFORM.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CHLOROFORM; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147279/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013419

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CHROMIC ACID.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CHROMIC ACID; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-148368/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN

THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013420

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CREOSOTE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CREOSOTE; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147303/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013421

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: CRESOLS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CRESOLS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 30P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-142080/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN

THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013422

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DIAZINON.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*DIAZINON; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143443/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013423

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DICHLORVOS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*DICHLORVOS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 31P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-148343/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC

LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013424

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DIETHYL SULFATE.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: \*CHEMICALS; \*DIETHYL SULFATE; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-135571/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013425

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DIMETHYLFORMAMIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*DIMETHYLFORMAMIDE; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-143500/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE

PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013426

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DIPHENYL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*DIPHENYL; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143450/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013427

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: EPICHLOROHYDRIN.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*EPICHLOROHYDRIN; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 49P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143435/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF

THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013420

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ETHYLENE DIBROMIDE (EDB).

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*ETHYLENE DIBROMIDE; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 53P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-133162/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013429

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ETHYLENE GLYCOL ETHERS.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: \*CHEMICALS; \*ETHYLENE GLYCOL ETHERS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-131422/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013430

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ETHYLENE OXIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*ETHYLENE OXIDE; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 57P. PRICE CODE: PC A01/MF A01. ORDER NO.: PB86-143559/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013431

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ISOPROPYL ALCOHOL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*ISOPROPYL ALCOHOL; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 29P. PRICE CODE: PC A03/MF A01. ORDER

NO.: PB86-143401/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013432

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 4,4'-METHYLENEDIANILINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*4,4'-METHYLENEDIANILINE; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143369/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013433

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: GLYCIDYL ETHERS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*GLYCIDYL ETHERS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

69

70

43

DESCRIPTIVE NOTE: 36P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB85-132073/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013434

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: HEXACHLOROETHANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*HEXACHLOROETHANE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-149317/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013435

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: HYDROQUINONE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*HYDROQUINONE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;

\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-130069/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013436

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: LEAD.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*LEAD; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 51P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-147287/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013437

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: LINDANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*LINDANE;

\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147329/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013438

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: MALATHION.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*MALATHION; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147246/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013439

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: METHYLENE CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*METHYLENE CHLORIDE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 49P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-148350/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013440

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: NICKEL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*METALS; \*NICKEL; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 49P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147337/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013441

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: NITROANILINES.

PERSONAL AUTHOR: SANTODONATO, J.  
DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*NITROANILINES; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 28P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147295/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013442

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: 1,4-DIOXANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*1,4-  
DIOXANE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-131414/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013443

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE

WORKPLACE: 1,3-BUTADIENE.  
PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*1,3-  
BUTADIENE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 53P. PRICE CODE: PC A04/MF A01. ORDER  
NO.: PB86-147261/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013444

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: 1,2-DICHLOROETHANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*1,2-  
DICHLOROETHANE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 47P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147212/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161



IRIS ACCESSION NUMBER: EW013445  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: 1,2-DICHLOROPROPANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*1,2-  
DICHLOROPROPANE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-143492/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013447  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: PENTACHLORONITROBENZENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*PENTACHLORONITROBENZENE; \*RISK  
ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 20P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147253/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013446

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: PARATHION.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*PARATHION; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 40P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147311/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013448

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: PHOSGENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*PHOSGENE; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-135126/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

77

78

47

IRIS ACCESSION NUMBER: EW013449  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: PYRIDINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*PYRIDINE; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 35P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-143385/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013450

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: TETRACHLOROETHYLENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;  
\*TETRACHLOROETHYLENE; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 47P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-147238/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013451  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: TRICHLOROETHYLENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES;  
\*TRICHLOROETHYLENE

DESCRIPTIVE NOTE: 52P. PRICE CODE: PC A04/MF A01. ORDER  
NO.: PB86-147220/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013452

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: TOLUENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOLUENE; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 53P. PRICE CODE: PC A04/MF A01. ORDER  
NO.: PB86-144698/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013453  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: 2,4-DINITROTOLUENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES;  
\*2,4-DINITROTOLUENE

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-143468/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013454

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE  
WORKPLACE: 2,6-DICHLORO-4-NITROANILINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*2,6-DICHLORO-4-  
NITROANILINE; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 26P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-143526/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

81

IRIS ACCESSION NUMBER: EW213455  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO  
HUMANS: ALLYL CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*ALLYL CHLORIDE; \*HEALTH; \*HEALTH  
EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 33P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-148715/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW213456

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO  
HUMANS: NITROPROPANES.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS;  
\*NITROPROPANES; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 31P. PRICE CODE: PC A03/MF A01. ORDER  
NO.: PB86-143393/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF  
INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF  
THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED  
THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE  
PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO  
ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC  
LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO  
COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN  
THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE  
INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE  
CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

82

IRIS ACCESSION NUMBER: EW013457  
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO HUMANS: PARAQUAT.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*PARAQUAT; \*RISK ASSESSMENT

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER NO.: P886-143534/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1974. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013458

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO HUMANS: TURPENTINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*HEALTH; \*HEALTH EFFECTS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES; \*TURPENTINE

DESCRIPTIVE NOTE: 30P. PRICE CODE: PC A03/MF A01. ORDER NO.: P886-143351/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1974. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013459  
PUBLICATION DATE: JAN 86

TITLE: OIL SHALE WASTE DISPOSAL; ENVIRONMENTAL IMPACTS. 1976-1985 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; \*BIBLIOGRAPHIES; \*ENVIRONMENT; \*ENVIRONMENTAL IMPACTS; \*INDUSTRY; \*MINING; \*OIL SHALE; \*POLLUTION CONTROL; \*WASTE DISPOSAL

DESCRIPTIVE NOTE: 260P. PRICE CODE: PC N01/MF N01. ORDER NO.: P806-856020/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE IMPACTS UPON THE ENVIRONMENT OF THE DISPOSAL OF WASTE FROM THE MINING AND PROCESSING OF OIL SHALE. METHODS FOR THE CONTROL OR MINIMIZATION OF ENVIRONMENTAL DAMAGE CREATED BY THESE ACTIVITIES ARE ALSO PRESENTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 286 CITATIONS, 150 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW012460

PUBLICATION DATE: JAN 86

TITLE: OIL SPILL REMOVAL: DISPERSANTS, ADSORBENTS, BOOMS, AND SKIMMERS. 1978-85 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*CLEAN-UP; \*ENVIRONMENT; \*ENVIRONMENTAL IMPACTS; \*OIL SPILLS; \*OIL; \*POLLUTION CONTROL

DESCRIPTIVE NOTE: 120P. PRICE CODE: PC N01/MF N01. ORDER NO.: P806-856226/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TECHNIQUES AVAILABLE FOR THE REMOVAL OF OIL FOLLOWING MAJOR SPILLS. CHEMICAL DISPERSANTS, GELLING AGENTS, FOAM PLASTICS, BOOMS, SKIMMERS, AND BURNING ARE DISCUSSED. SPECIFIC OIL SPILLS ARE CONSIDERED AND THE ENVIRONMENTAL IMPACTS OF OIL SPILLS ARE NOTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 153 CITATIONS, 27 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013461

PUBLICATION DATE: FEB 86

TITLE: OIL SPILL REMOVAL TECHNIQUES AND EQUIPMENT. 1976-FEB 1986 (CITATIONS FROM THE HTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;

\*CLEAN-UP; \*EQUIPMENT; \*ENVIRONMENT; \*INDUSTRY; \*OIL SPILLS;  
\*OIL; \*POLLUTION CONTROL

DESCRIPTIVE NOTE: 172P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB86-857430/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
METHODS AND EQUIPMENT USED FOR THE CONTAINMENT AND REMOVAL  
OF OIL AS A RESULT OF OIL SPILL MISHAPS. DISPERSANTS,  
SEPARATORS, SKIMMERS AND ABSORBANTS ARE DISCUSSED. RELATED  
STUDIES REGARDING FILM SPREADING AND DISPERSION ARE  
PRESENTED. STUDIES PERTAINING TO SHIPBOARD BALLAST AND  
BILGEWATER CLEANING ARE EXCLUDED. (THIS UPDATED BIBLIOGRAPHY  
CONTAINS 190 CITATIONS, 10 OF WHICH ARE NEW ENTRIES TO THE  
PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013462

PUBLICATION DATE: SEP 84

TITLE: OVERVIEW OF THE RESOURCES FOR THE FUTURE  
ENVIRONMENTAL DATA INVENTORY: METHODS, SOURCES AND  
PRELIMINARY RESULTS. VOLUME 1.

PERSONAL AUTHOR: GIANESSI, L. P.; PESKIN, H. M.

DESCRIPTOR: \*DATABASES; \*INVENTORIES; \*POLLUTANTS; \*REDI;  
\*WATER QUALITY; \*WATER POLLUTION CONTROL  
DESCRIPTIVE NOTE: 127P. PRICE CODE: PC A07/MF A01. ORDER  
NO.: PB86-134980/WEP

ABSTRACT: THE RESOURCES FOR THE FUTURE ENVIRONMENTAL DATA  
INVENTORY (REDI) DESCRIBES DISCHARGES OF 17 POLLUTANTS TO  
THE NATION'S WATERS FROM OVER 80,000 INDUSTRIAL, MUNICIPAL,  
URBAN, AND AGRICULTURAL SOURCES. THE DATA ARE INDEXED IN  
SUFFICIENT DETAIL TO PERMIT AGGREGATION BY ECONOMIC SECTOR,  
STATE, COUNTY, AND HYDROLOGIC UNIT. DATA GAPS HAVE BEEN  
FILLED WITH PROVISIONAL ESTIMATES USING A NUMBER OF  
ESTIMATION PROCEDURES. BY INTEGRATING AND CROSS CHECKING  
EXISTING STATE, LOCAL, AND FEDERAL DATA BASES, SYSTEM-  
DEVELOPMENT COSTS HAVE BEEN KEPT AT A MINIMUM. THE REPORT  
DESCRIBES THE METHODS USED TO DEVELOP REDI. ALSO, DATA  
SUMMARIES ARE PROVIDED THAT DEMONSTRATE THE DIFFERENCES IN  
QUANTITY AND QUALITY OF WASTE PRODUCTS ACCORDING TO STATE  
AND SECTOR DESIGNATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013463

PUBLICATION DATE: SEP 84

TITLE: OVERVIEW OF THE RESOURCES FOR THE FUTURE  
ENVIRONMENTAL DATA INVENTORY: METHODS, SOURCES, AND  
PRELIMINARY RESULTS. VOLUME 2.

PERSONAL AUTHOR: GIANESSI, L. P.; PESKIN, H. M.

DESCRIPTOR: \*DATABASES; \*INVENTORIES; \*POLLUTANTS; \*REDI;  
\*WATER QUALITY; \*WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 256P. PRICE CODE: PC A12/MF A01. ORDER  
NO.: PB86-134996/WEP

ABSTRACT: THE RESOURCES FOR THE FUTURE ENVIRONMENTAL DATA  
INVENTORY (REDI) DESCRIBES DISCHARGES OF 17 POLLUTANTS TO  
THE NATION'S WATERS FROM OVER 80,000 INDUSTRIAL, MUNICIPAL,  
URBAN, AND AGRICULTURAL SOURCES. THE DATA ARE INDEXED IN  
SUFFICIENT DETAIL TO PERMIT AGGREGATION BY ECONOMIC SECTOR,  
STATE, COUNTY, AND HYDROLOGIC UNIT. DATA GAPS HAVE BEEN  
FILLED WITH PROVISIONAL ESTIMATES USING A NUMBER OF  
ESTIMATION PROCEDURES. BY INTEGRATING AND CROSS CHECKING  
EXISTING STATE, LOCAL, AND FEDERAL DATA BASES, SYSTEM-  
DEVELOPMENT COSTS HAVE BEEN KEPT AT A MINIMUM. THE REPORT  
DESCRIBES THE METHODS USED TO DEVELOP REDI. ALSO, DATA  
SUMMARIES ARE PROVIDED THAT DEMONSTRATE THE DIFFERENCES IN  
QUANTITY AND QUALITY OF WASTE PRODUCTS ACCORDING TO STATE  
AND SECTOR DESIGNATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013464

PUBLICATION DATE: DEC 85

TITLE: PERCEPTION OF LAKE WATER RESOURCES MANAGEMENT.  
PERSONAL AUTHOR: GELDREICH, E. E.

DESCRIPTOR: \*LAKES; \*MANAGEMENT; MONITORING; \*RESERVOIRS;  
RECREATION; \*WATER RESOURCES; PLANNING; \*WATER QUALITY

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER  
NO.: PB86-136033/WEP

ABSTRACT: LAKES, IMPOUNDMENTS, AND RESERVOIRS ARE COMPLEX  
ENVIRONMENTS. MANY INTERACTING FACTORS DETERMINE WATER  
QUALITY AND RECREATIONAL USE POTENTIAL. EACH LAKE OR  
RESERVOIR IS DIFFERENT AND PRESENTS UNIQUE PROBLEMS TO WATER  
SUPPLY TREATMENT OPERATION AND TO FULL ENJOYMENT BY THE  
PUBLIC. ONLY THROUGH IMPLEMENTATION OF LAKE MANAGEMENT  
STRATEGIES THAT INCLUDE A WELL DESIGNED MONITORING PROGRAM  
AND RESPONSIVE ACTION PLAN CAN THERE BE OPTIMUM USE OF THIS  
WATER RESOURCE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013465

PUBLICATION DATE: FEB 85

TITLE: PERMIT WRITERS' GUIDANCE MANUAL FOR HAZARDOUS WASTE  
LAND STORAGE AND DISPOSAL FACILITIES. PHASE 1. CRITERIA  
FOR LOCATION ACCEPTAB

85

86

DESCRIPTOR: \*FACILITIES; \*GUIDANCE MANUALS; \*PERMIT WRITERS; \*HAZARDOUS WASTES; \*STORAGE; \*WASTE DISPOSAL; \*REGULATIONS; \*USEPA

DESCRIPTIVE NOTE: 177P. PRICE CODE: PC A00/MF A01. ORDER NO.: PB86-125580/WEP

ABSTRACT: THE 'PERMIT WRITERS' GUIDANCE MANUAL FOR THE LOCATION OF HAZARDOUS WASTE LAND TREATMENT, STORAGE, AND DISPOSAL FACILITIES' HAS THREE PURPOSES: (1) TO PROVIDE GUIDANCE IN DEFINING ACCEPTABLE PHYSICAL LOCATIONS FOR HAZARDOUS WASTE LAND TREATMENT, STORAGE, AND DISPOSAL (HWLTS) UNITS, (2) TO CITE AVAILABLE REGULATIONS AND STATUTES AND HOW THESE SHOULD BE APPLIED IN EVALUATING THE ACCEPTABILITY OF LOCATIONS AND (3) TO PRESENT AN OUTLINE SUMMARY OF FUTURE AGENCY EFFORTS TO ENSURE BOTH PROPER SITE ANALYSIS AND SAFE LOCATION OF SUCH FACILITIES. THE INTENDED AUDIENCE IS EPA REGIONAL OFFICE STAFF AND AUTHORIZED STATE AGENCY PERSONNEL WHO EVALUATE PERMIT APPLICATIONS UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA). PART OF A BROAD PROGRAM TO ENCOURAGE SAFE AND PROPER SITING OF HAZARDOUS WASTE FACILITIES, THIS MANUAL IS THE FIRST OF A FIVE DOCUMENT SERIES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013466

PUBLICATION DATE: JAN 86

TITLE: POLYCHLORINATED BIPHENYLS IN THE FRESHWATER ENVIRONMENT. 1977-JAN 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACT DATA

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; ENVIRONMENT; \*ENVIRONMENTAL IMPACT; \*MONITORING; \*POLYCHLORINATED BIPHENYLS; \*PCBS; POLLUTION; \*POLLUTION CONTROL; \*BIOLOGICAL IMPACTS

DESCRIPTIVE NOTE: 170P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857000/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE OCCURRENCE AND EFFECTS OF POLYCHLORINATED BIPHENYLS IN THE FRESHWATER ENVIRONMENT. TOPICS INCLUDE SOURCES, DISTRIBUTION, AND ACCUMULATION RATES FOR SPECIFIC REGIONS, BIOACCUMULATION, POLLUTANT PATHS AND INTRODUCTION INTO THE FOOD CHAIN, AND RESULTS OF LONG AND SHORT TERM MONITORING OF SELECTED AREAS. DETECTION METHODS FOR PCB ACCUMULATION IN FISH AND SURFICIAL SEDIMENTS ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 167 CITATIONS, 27 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013467

PUBLICATION DATE: JAN 86

TITLE: POLYCHLORINATED BIPHENYLS: OCCURRENCE AND TREATMENT IN MUNICIPAL AND INDUSTRIAL WASTES. 1977-JAN 1986 (CITATIONS FROM THE SELECTED

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*EQUIPMENT; \*INDUSTRIAL WASTES; \*MUNICIPAL WASTES; \*PCBS; \*POLYCHLORINATED BIPHENYLS; \*OPERATIONS (WASTE TREATMENT); \*WASTE DISPOSAL; \*WASTE TREATMENT

DESCRIPTIVE NOTE: 114P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857083/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING TREATMENT AND DISPOSAL METHODS, SPECIFIC SITE STUDIES, DETECTION METHODS AND EQUIPMENT, AND MONITORING TECHNIQUES FOR POLYCHLORINATED BIPHENYLS IN INDUSTRIAL AND MUNICIPAL WASTES. TREATMENT METHODS INCLUDE ACTIVATED CARBON, INCINERATION, AND BIODEGRADATION. LEGAL AND REGULATORY ASPECTS ARE ALSO DISCUSSED. REPORTS PERTAINING SPECIFICALLY TO THE OCCURRENCE OF THESE COMPOUNDS IN SEDIMENTS AND SOILS ARE EXCLUDED FROM THIS BIBLIOGRAPHY. (THIS UPDATED BIBLIOGRAPHY CONTAINS 104 CITATIONS, 18 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013468

PUBLICATION DATE: JAN 86

TITLE: POLYCHLORINATED BIPHENYLS: OCCURRENCE IN SEDIMENTS AND SOILS. 1977-JAN 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACT

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*FIELD STUDIES; \*LABORATORY PROCEDURES; \*PCBS; \*POLYCHLORINATED BIPHENYLS; \*SEDIMENTS; \*SOILS; \*POLLUTION CONTROL

DESCRIPTIVE NOTE: 160P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857075/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING FIELD AND LABORATORY ANALYSES OF POLYCHLORINATED BIPHENYLS IN SEDIMENTS AND SOILS. TOPICS INCLUDE SITE STUDIES, CHEMICAL ANALYSES OF ADSORPTION-DESORPTION PROCESSES, DECOMPOSITION IN SOILS, INCLUDING BIODEGRADATION, AND BIOACCUMULATION. DETECTION METHODS ARE EQUIPMENT, AND THE IMPACT OF DREDGING IN CONTAMINATED AREAS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 149 CITATIONS, 19 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13469  
PUBLICATION DATE: SEP 85

TITLE: PRACTICAL GUIDE FOR GROUND-WATER SAMPLING,

PERSONAL AUTHOR: BARCELONA, M. J.; AND OTHERS

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*FIELD TESTS; \*GROUND WATER; \*LABORATORY PROCEDURES; \*SAMPLING; \*WATER QUALITY

DESCRIPTIVE NOTE: 184P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-137304/WEP

ABSTRACT: THE REPORT CONCERNS BOTH LABORATORY AND FIELD TESTING OF SAMPLING MATERIALS AND SAMPLING MECHANISMS WITH AN EMPHASIS ON MINIMIZING ERROR, PARTICULARLY FOR VOLATILE ORGANIC COMPOUND SAMPLING AND ANALYSIS. THE ESSENTIAL ELEMENTS OF EFFECTIVE GROUND-WATER SAMPLING INCLUDE; EVALUATION OF THE HYDROGEOLOGIC SETTING AND PROGRAM INFORMATION NEEDS; PROPER WELL-PLACEMENT AND CONSTRUCTION; EVALUATION OF WELL-PERFORMANCE AND PURGING STRATEGIES; DESIGN AND EXECUTION OF SAMPLING AND ANALYTICAL PROTOCOLS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13470

PUBLICATION DATE: AUG 85

TITLE: PRELIMINARY INVESTIGATION OF SEWAGE SLUDGE UTILIZATION IN ROADSIDE DEVELOPMENT.

PERSONAL AUTHOR: CAHN, D. C.; HORNER, R. R.

DESCRIPTOR: \*LAND APPLICATION; \*RESOURCE RECOVERY; \*ROADSIDE DEVELOPMENT; \*SEWAGE SLUDGE; \*WASTE DISPOSAL; \*WASHINGTON

DESCRIPTIVE NOTE: 99P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-141215/WEP

ABSTRACT: PROBLEMS WITH EXISTING SLUDGE DISPOSAL PRACTICES, COMBINED WITH NEW INFORMATION ABOUT ITS NUTRITIVE AND SOIL-CONDITIONING QUALITIES, HAVE LED TO ACCEPTED PRACTICES OF LAND APPLICATION OF SLUDGE. BOTH THE DEPARTMENT OF TRANSPORTATION, AS AN AGENCY WITH LARGE LAND HOLDINGS AND LANDSCAPING NEEDS, AND MUNICIPALITIES IN WASHINGTON STATE MAY BENEFIT FROM LAND APPLICATION OF SLUDGE ON ROADSIDES. THE USE OF SEWAGE SLUDGE ON ROADSIDES CAN POTENTIALLY IMPROVE THE GROWTH OF EROSION CONTROL GRASSES, SHRUBS AND TREES WHILE MINIMIZING THE COSTS FOR SUBSEQUENT RESEEDING, REPLANTING, OR REFERTILIZATION. PROPER SITE SELECTION AND MANAGEMENT TECHNIQUES CAN POTENTIALLY MINIMIZE PUBLIC HEALTH AND ENVIRONMENTAL IMPACTS FROM HEAVY METALS, NITRATES, PATHOGENS AND ORGANIC TOXICANTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13471  
PUBLICATION DATE: 83

TITLE: PSYCHOLOGY IN HEALTH RISK MESSAGES FOR WORKERS.

PERSONAL AUTHOR: COHEN, A.; AND OTHERS

DESCRIPTOR: \*COMMUNICATION; \*GUIDELINES; \*HEALTH; \*HEALTH RISKS; \*OCCUPATIONAL HEALTH; \*NIOSH; \*SAFETY

DESCRIPTIVE NOTE: 67P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-134830/WEP

ABSTRACT: A NIOSH PROJECT TO DEVELOP GUIDELINES FOR COMPANY HEALTH RISK NOTICES TO ITS EMPLOYEES WAS DESCRIBED. THE GOAL OF THE PROJECT WAS TO CREATE NOTICES HAVING A HIGH POTENTIAL FOR INCREASING WORKER ASSIMILATION AND UNDERSTANDING OF JOB HAZARDS AND RISKS, AND TO PROMOTE SAFE WORK PRACTICES TO REDUCE THE HAZARDS. THE PROJECT INVOLVED: FORMATION OF AN ADVISORY GROUP THAT INCLUDED OUTSIDE SCIENTISTS WITH SPECIALTY KNOWLEDGE ABOUT COMMUNICATIONS AND HEALTH RISK WHO WOULD SUBMIT A REVIEW PAPER OUTLINING EFFECTIVE HEALTH RISK INFORMATION; OBTAINING REACTIONS TO THE REVIEW FROM MANAGEMENT AND UNION REPRESENTATIVES; FORMULATION OF A SET OF DRAFT GUIDELINES BY NIOSH; DISTRIBUTING DRAFT GUIDELINES TO THE ADVISORY GROUPS FOR REVISION; REVISING THE GUIDELINES; AND FIELD TRIALS TO APPLY AND TEST THE GUIDELINES. FOURTEEN GUIDELINES WERE DEVELOPED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13472

PUBLICATION DATE: DEC 85

TITLE: REMOTE SENSING APPLIED TO ENVIRONMENTAL POLLUTION DETECTION AND MANAGEMENT. 1970-85 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*AIR POLLUTION; \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*DETECTION; ENVIRONMENT; \*MANAGEMENT; POLLUTION; \*POLLUTION CONTROL; \*REMOTE SENSING; \*WATER POLLUTION

DESCRIPTIVE NOTE: 230P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854098/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF REMOTE SENSING TECHNIQUES AND EQUIPMENT TO STUDY AIR AND WATER POLLUTION PROBLEMS. TOPICS INCLUDE THE USE OF AERIAL PHOTOGRAPHS, VARIOUS RADAR TECHNIQUES, AND SPACEBORNE PHOTOGRAPHY TO STUDY OIL SPILLS, OCEAN DUMPING SITES, PLUME DISPERSIONS, AND POLLUTION PROBLEMS IN ESTUARIES. DATA INTERPRETATION AND PROCESSING TECHNIQUES ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 257 CITATIONS, 21 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013473  
PUBLICATION DATE: FEB 86

TITLE: SEWAGE SLUDGE PRETREATMENT AND DISPOSAL. DECEMBER 1981-FEBRUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*EQUIPMENT; \*OPERATIONS (WASTEWATER); \*SEWAGE SLUDGE;  
\*SLUDGE; \*WASTE TREATMENT; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 226P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857398/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING TECHNIQUES AND EQUIPMENT UTILIZED IN THE PRETREATMENT PROCESSES AND DISPOSAL OF SEWAGE SLUDGES. TOPICS INCLUDE RESOURCE AND ENERGY RECOVERY OPERATIONS, LAND DISPOSAL, COMPOSTING, OCEAN DISPOSAL, AND INCINERATION. DIGESTION, DEWATERING, AND DISINFECTION ARE AMONG THE PRETREATMENT PROCESSES DISCUSSED. ENVIRONMENTAL ASPECTS, INCLUDING THE EFFECTS ON SOILS, PLANTS, AND ANIMALS ARE ALSO PRESENTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 249 CITATIONS, 56 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013474

PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: CHICAGO BRIDGE AND IRON COMPANY. FINAL REPORT: SYSTEM DESIGN EXTENSION. VOL. 1

DESCRIPTOR: \*COSTS; \*DESALINATION; \*DESIGN; \*ENERGY CONSERVATION; \*FACILITIES; \*OPERATIONS (WATER); \*SAUDI ARABIA; \*SOLAR ENERGY; \*WATER RESOURCES; \*WATER TREATMENT

DESCRIPTIVE NOTE: 200P. PRICE CODE: PC A09/MF A01. ORDER NO.: DE86001276/WEP

ABSTRACT: THE DESIGN OF A SOLAR ENERGY POWERED, SEA WATER DESALINATION PILOT PLANT FOR INSTALLATION AT YANBU, SAUDI ARABIA, ON THE SHORE OF THE RED SEA IS PRESENTED. EARLIER WORK IS INTRODUCED AND A DESCRIPTION OF THE SYSTEM IS PRESENTED. IMPORTANT DESIGN ANALYSES AND COST REDUCTION CONSIDERATIONS ARE REVIEWED. THE PILOT PLANT DESIGN IS DESCRIBED IN DETAIL. CONSTRUCTION PLANS FOR AND PROJECTED OPERATION OF THE PLANT ARE DISCUSSED. (ERA CITATION 11:002285)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013475  
PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: EXXON RESEARCH AND ENGINEERING. SYSTEM DESIGN FINAL REPORT, VOL 1. DESIGN DESCR

DESCRIPTOR: \*COSTS; \*DESALINATION; \*DESIGN; \*ENERGY CONSERVATION; \*FACILITIES; \*OPERATIONS (WATER); \*PERFORMANCE EVALUATION; \*SAUDI ARABIA; \*SOLAR ENERGY; \*WATER RESOURCES; \*WATER TREATMENT

DESCRIPTIVE NOTE: 230P. PRICE CODE: PC A11/MF A01. ORDER NO.: DE86001245/WEP

ABSTRACT: THE DESIGN OF A SOLAR POWERED WATER DESALINATION SYSTEM IS PRESENTED. DESIGN DATA INCLUDING INSOLATION AND CLIMATE OF THE YANBU, SAUDI ARABIA SITE ARE INCLUDED. TWO SOLAR DESALINATION DESIGNS WERE DEVELOPED INCLUDING: (1) A CONCEPTUAL BASELINE PLANT POWERED BY A SOLAR CENTRAL RECEIVER-HELIOSTAT FIELD, AND (2) A PILOT PLANT THAT DEMONSTRATES AND EVALUATES THE DESIGN FEATURES OF THE BASELINE PLANT. THE DESALINATION PROCESS INVOLVES A HYBRID REVERSE OSMOSIS/MULTIPLE EFFECT DISTILLATION PROCESS. THE PERFORMANCE AND ECONOMICS OF THE DESIGN PLANTS ARE ANALYZED. (ERA CITATION 11:002281)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013476

PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: EXXON RESEARCH AND ENGINEERING. SYSTEM DESIGN FINAL REPORT, VOL 2. APPENDICES B

DESCRIPTOR: \*COSTS; \*DESALINATION; \*DESIGN; \*ENERGY CONSERVATION; \*EQUIPMENT; \*FACILITIES; \*OPERATIONS (WATER); \*PERFORMANCE EVALUATION; \*SAUDI ARABIA; \*SOLAR ENERGY; \*WATER RESOURCES; \*WATER TREATMENT

DESCRIPTIVE NOTE: 331P. PRICE CODE: PC A15/MF A01. ORDER NO.: DE86001246/WEP

ABSTRACT: THE DETAILS OF THE DESIGN OF A CONCEPTUAL BASELINE SOLAR DESALINATION PLANT ARE PROVIDED. YANBU, SAUDI ARABIA IS THE SITE FOR THE PLANT. DETAILS ARE DEFINED FOR SEVERAL OF THE PLANT SUBSYSTEMS INCLUDING: ENERGY STORAGE, ENERGY DELIVERY, REVERSE OSMOSIS/MULTIPLE EFFECT DISTILLATION, WATER STORAGE, WASTE DISPOSAL, BACKUP POWER GENERATION, CONTROLS AND INSTRUMENTATION, DATA ACQUISITION, AND FACILITIES AND ENCLOSURES SUBSYSTEMS. THE PLANT EQUIPMENT IS LISTED AND PROCESS FLOW DIAGRAMS ARE INCLUDED. COST ESTIMATES AND ECONOMIC ANALYSES OF THE PLANT ARE DOCUMENTED. (ERA CITATION 11:002282)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161



IRIS ACCESSION NUMBER: EW013477  
PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT;  
EXXON RESEARCH AND ENGINEERING. SYSTEM DESIGN FINAL REPORT.  
VOL 3. APPENDICES

DESCRIPTOR: \*COSTS; \*DESIGN; \*DESALINATION; \*FACILITIES;  
\*OPERATIONS (WATER); \*SAUDI ARABIA; SOLAR ENERGY; \*SOLERAS;  
\*WATER TREATMENT; \*WATER SUPPLY

DESCRIPTIVE NOTE: 409P. PRICE CODE: PC A18/MF A01. ORDER  
NO.: DE8600428/WEP

ABSTRACT: DETAILS OF THE DESIGN OF A WATER DESALINATION  
SOLAR PILOT PLANT IN YANBU, SAUDI ARABIA ARE PRESENTED. THE  
MAJOR SUBSYSTEMS OF THE PLANT ARE DEFINED, INCLUDING SOLAR  
ENERGY COLLECTION AND SIMULATION, ENERGY STORAGE, ENERGY  
DELIVERY, REVERSE OSMOSIS/MULTIPLE EFFECT DISTILLATION,  
WATER STORAGE, WASTE DISPOSAL, BACKUP POWER GENERATORS,  
CONTROLS AND INSTRUMENTATION DATA ACQUISITION, FACILITIES  
AND ENCLOSURES, AND COMPUTERS. A LIST OF THE PLANT EQUIPMENT  
AND A SET OF PROCESS FLOW DIAGRAMS ARE PROVIDED. A COST  
ANALYSIS OF THE PILOT PLANT IS INCLUDED. (ERA CITATION  
11:002283)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013478  
PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY DESALINATION PROJECT: MARTIN  
MARIETTA CORPORATION. PILOT PLANT FINAL REPORT.

DESCRIPTOR: \*DESIGN; \*DESALINATION; \*FACILITIES;  
\*OPERATIONS (WATER); \*PILOT PLANTS; \*SAUDI ARABIA; \*SOLAR  
ENERGY; \*SOLERAS; \*WATER TREATMENT; \*WATER SUPPLY

DESCRIPTIVE NOTE: 150P. PRICE CODE: PC A07/MF A01. ORDER  
NO.: DE86001249/WEP

ABSTRACT: THIS REPORT DOCUMENTS THE TECHNICAL EFFORT OF  
MARTIN MARIETTA CORPORATION, IN ASSOCIATION WITH BLACK AND  
VEATCH INTERNATIONAL AS A SUBCONTRACTOR FOR THE TRADE  
STUDIES PERFORMED TO DESIGN A SOLAR DESALINATION PILOT PLANT  
IS DOCUMENTED. THE FINAL SYSTEM CONFIGURATION UTILIZES  
EXISTING TECHNOLOGY TO CONVERT SEAWATER TO POTABLE WATER.  
THIS TECHNOLOGY INCLUDES THE COLLECTION OF SOLAR ENERGY,  
STORAGE OF THIS ENERGY IN A FLUID HEAT TRANSFER MEDIUM,  
GENERATION OF STEAM AND ELECTRICITY FROM THIS STORED ENERGY,  
UTILIZATION OF LOW PRESSURE TURBINE EXHAUST STEAM AS A  
SOURCE OF ENERGY TO DISTILL SALT WATER, AND ALSO GENERATION  
OF POTABLE WATER THROUGH THE USE OF A REVERSE OSMOSIS UNIT.  
(ERA CITATION 11:002284)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013479  
PUBLICATION DATE: DEC 85

TITLE: STORM WATER MANAGEMENT MODEL (SWMM) BIBLIOGRAPHY.

PERSONAL AUTHOR: HUBER, W. C.; AND OTHERS

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*MANAGEMENT; \*MODELS; \*STORM WATER; \*SURFACE RUNOFF; \*SWMM;  
\*WASTEWATER COLLECTION; \*STORM WATER MANAGEMENT MODEL

DESCRIPTIVE NOTE: 66P. PRICE CODE: PC A04/MF A01. ( DER  
NO.: PB06-136041/WEP

ABSTRACT: AVAILABLE LITERATURE SOURCES WERE REVIEWED TO  
LOCATE REFERENCES TO THE THEORY, DOCUMENTATION, USE, OR  
OTHER ACTIVITIES RELATED TO THE EPA STORM WATER MANAGEMENT  
MODEL (SWMM). LISTED IN ANNOTATED BIBLIOGRAPHY ARE 237  
SUCH CITATIONS, ALONG WITH KEYWORDS AND BRIEF ABSTRACTS. THE  
REFERENCES ALSO ARE INDEXED BY AN ALPHABETICAL LISTING OF  
KEYWORDS. THE BIBLIOGRAPHY REPRESENTS THE BEST SOURCE OF  
INFORMATION ON CASE STUDIES AND MODEL DOCUMENTATION  
AVAILABLE TO THE SWMM USER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013480

PUBLICATION DATE: JAN 86  
TITLE: STRIP MINING: HYDROLOGY, 1977-JANUARY 1986  
(CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA  
BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*GROUNDWATER; \*HYDROLOGY; \*MINING; \*STRIP MINING; \*WATER  
POLLUTION; \*WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 280P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB06-057257/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
THE HYDROLOGIC IMPACTS OF STRIP MINING. THE POTENTIAL  
IMPACTS OF STRIP MINING ON SURFACE AND GROUND WATER AND  
MEASURES TO MONITOR AND CONTROL WATER POLLUTION ARE  
DISCUSSED. SITE REHABILITATION IS ALSO CONSIDERED. (THIS  
UPDATED BIBLIOGRAPHY CONTAINS 263 CITATIONS, 37 OF WHICH ARE  
NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013481

PUBLICATION DATE: 85

TITLE: TOXICITY OF COBALT. 1970-1985 (CITATIONS FROM THE  
NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*COBALT; \*ENVIRONMENT; \*ENVIRONMENTAL IMPACTS; \*TOXIC  
SUBSTANCES

DESCRIPTIVE NOTE: 161P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB06-054109/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
THE TOXICITY, CARCINOGENICITY, ENVIRONMENTAL POLLUTION, AND  
OTHER ADVERSE EFFECTS OF COBALT, THE DETECTION, ANALYTICAL  
METHODS, AND STANDARDS ARE CONSIDERED, AND METHODS OF  
REMOVAL FROM THE ENVIRONMENT ARE DISCUSSED. THE EFFECTS ON  
AQUATIC AND TERRESTRIAL FLORA AND FAUNA, INCLUDING HUMANS,  
ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 154  
CITATIONS, 75 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS  
EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013482

PUBLICATION DATE: JAN 86

TITLE: TOXICITY OF HALOGENATED ORGANIC COMPOUNDS. MARCH  
1983-JANUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*CHEMICALS; \*ENVIRONMENTAL IMPACTS; \*HEALTH EFFECTS;  
\*HALOGENATED ORGANIC COMPOUNDS; INDUSTRY; \*ORGANIC  
COMPOUNDS; \*TOXIC SUBSTANCES  
DESCRIPTIVE NOTE: 263P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: PB06-856929/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
HEALTH AND ENVIRONMENTAL EFFECTS OF HALOGENATED ORGANIC  
COMPOUNDS. TOPICS INCLUDE LABORATORY AND FIELD  
INVESTIGATIONS REGARDING BIOACCUMULATION AND CONCENTRATION,  
METABOLIC ASPECTS, AND SPECIFIC SITE STUDIES IN INDUSTRIAL  
AND COMMERCIAL OPERATIONS. PESTICIDES, SOLVENTS, AND A  
VARIETY OF INDUSTRIAL COMPOUNDS ARE DISCUSSED. (THIS UPDATED  
BIBLIOGRAPHY CONTAINS 279 CITATIONS, 98 OF WHICH ARE NEW  
ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013483

PUBLICATION DATE: JAN 86

TITLE: TOXICITY OF PESTICIDES. FEBRUARY 1985-JANUARY 1986  
(CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*HEALTH EFFECTS; \*ENVIRONMENTAL IMPACTS; \*PESTICIDES;  
\*REGULATIONS; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 132P. PRICE CODE: PC N01/MF N01. ORDER

NO.: PB06-056945/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING  
OCCUPATIONAL SURVEYS, CLINICAL INVESTIGATIONS, AND  
LABORATORY ANALYSES PERTAINING TO THE TOXIC EFFECTS OF  
PESTICIDES. TOPICS INCLUDE TERRESTRIAL AND AQUATIC ECOSYSTEM  
RESPONSES, REGULATORY ASPECTS, TRANSPORT AND METABOLISM, AND  
REGISTRATION STANDARDS AND PROCEDURES. THE DETECTION OF  
SPECIFIC COMPOUNDS AND THEIR EFFECTS ON SELECTED SPECIES ARE  
ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 136  
CITATIONS, ALL OF WHICH ARE NEW ENTRIES TO THE PREVIOUS  
EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013484

PUBLICATION DATE: 85

TITLE: TOXICOLOGY: COMMON PROBLEMS ENCOUNTERED BY  
ENVIRONMENTAL HEALTH PROFESSIONALS - A SELF-PACED LEARNING  
MODULE.

PERSONAL AUTHOR: BEAULIEU, H. J.; BEAULIEU, D. L.

DESCRIPTOR: \*ENVIRONMENTAL HEALTH; \*INSTRUCTIONAL  
MATERIALS; \*POSTSECONDARY EDUCATION; \*TOXICOLOGY

DESCRIPTIVE NOTE: 97P. PRICE CODE: PC N01/MF N01. ORDER  
NO.: HRP-0906647/3/WEP

ABSTRACT: THE SELF-PACED LEARNING MODULE IS INTENDED TO  
IMPROVE THE KNOWLEDGE AND SKILLS OF ENVIRONMENTAL HEALTH  
PROFESSIONALS, AS WELL AS OTHER INVOLVED PERSONS, IN  
CONTROLLING THE HAZARD TO HUMAN HEALTH AND THE ENVIRONMENT  
FROM THE USE AND MISUSE OF TOXIC SUBSTANCES. THE MODULE  
CONTAINS SEVEN LESSONS WHICH ARE PRACTICAL IN CONTENT AND  
RESULT FROM PRINCIPLES OF BASIC TOXICOLOGY AND APPLIED  
INDUSTRIAL HYGIENE PRACTICE. AT THE END OF EACH LESSON IS A  
PROGRESS CHECK CONSISTING OF SEVERAL QUESTIONS BASED UPON  
CONTENT OF THE LESSON. IF YOU CANNOT ANSWER THE QUESTIONS,  
RESTDY THE LESSON AND SOME REFERENCES UNTIL YOU UNDERSTAND  
THE MATERIAL. UNDERSTANDING EACH LESSON IS IMPORTANT FOR THE  
SUCCESSFUL COMPLETION OF THE FINAL EXAMINATION.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013405

PUBLICATION DATE: JAN 86

TITLE: VINYL CHLORIDE AND POLYVINYL CHLORIDE: TOXICOLOGY.  
1970-85 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA  
BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;  
\*HEALTH EFFECTS; \*POLYVINYL CHLORIDE; \*VINYL CHLORIDE;  
\*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 183P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856119/WEP

IRIS ACCESSION NUMBER: EW013487

PUBLICATION DATE: SEP 85

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TOXICITY OF VINYL CHLORIDE AND POLYVINYL CHLORIDE FOLLOWING SHORT AND LONG TERM EXPOSURES. METABOLISM, CARCINOGENICITY, AND TERATOGENIC POTENTIAL OF THESE SUBSTANCES ARE CONSIDERED. METHODOLOGY TO QUANTITATE THEIR PRESENCE IN ATMOSPHERIC DUST AND BODY TISSUES ARE DISCUSSED. OCCUPATIONAL HAZARDS ARE ALSO NOTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 231 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

TITLE: WATER QUALITY ASSESSMENT: A SCREENING PROCEDURE FOR TOXIC AND CONVENTIONAL POLLUTANTS IN SURFACE AND GROUND WATER. PART 2, REV 85

PERSONAL AUTHOR: MILLS, W. B.; AND OTHERS

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*CHEMICALS; \*POLLUTANTS; \*GROUNDWATER; \*MANUALS; \*SCREENING PROCEDURES; \*SURFACE WATER; \*TOXIC SUBSTANCES; \*WATER QUALITY

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

DESCRIPTIVE NOTE: 49CP. PRICE CODE: PC A21/MF A01. ORDER NO.: PB86-122504/WEP

IRIS ACCESSION NUMBER: EW013486

PUBLICATION DATE: SEP 85

TITLE: WATER QUALITY ASSESSMENT: A SCREENING PROCEDURE FOR TOXIC AND CONVENTIONAL POLLUTANTS IN SURFACE AND GROUND WATER. PART 1, REV 85

PERSONAL AUTHOR: MILLS, W. B.; AND OTHERS

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*GROUNDWATER; \*MANUALS; \*SCREENING PROCEDURES; \*SURFACE WATER; \*WATER QUALITY; \*WATER POLLUTION CONTROL

ABSTRACT: NEW TECHNICAL DEVELOPMENTS IN THE FIELD OF WATER QUALITY ASSESSMENT AND A REORDERING OF WATER QUALITY PRIORITIES PROMPTED A REVISION OF THE FIRST TWO EDITIONS OF THIS MANUAL. THE UTILITY OF THE REVISED MANUAL IS ENHANCED BY THE INCLUSION OF METHODS TO PREDICT THE TRANSPORT AND FATE OF TOXIC CHEMICALS IN GROUND WATER, AND BY METHODS TO PREDICT THE FATE OF METALS IN RIVERS. IN ADDITION, MAJOR REVISIONS WERE COMPLETED ON CHAPTER 2 (ORGANIC TOXICANTS), CHAPTER 3 (WASTE LOADINGS), AND CHAPTER 5 (IMPOUNDMENTS) THAT REFLECT RECENT ADVANCEMENTS IN THESE FIELDS. APPLYING THE MANUAL'S SIMPLE TECHNIQUES, THE USER IS NOW CAPABLE OF ASSESSING THE LOADING AND FATE OF CONVENTIONAL POLLUTANTS (TEMPERATURE, BIOCHEMICAL OXYGEN DEMAND-DISSOLVED OXYGEN, NUTRIENTS, AND SEDIMENTS) AND TOXIC POLLUTANTS (FROM THE U.S. EPA LIST OF PRIORITY POLLUTANTS) IN STREAMS, IMPOUNDMENTS, ESTUARIES, AND GROUND WATERS. THE TECHNIQUES ARE READILY PROGRAMMED ON HAND-HELD CALCULATORS OR MICROCOMPUTERS. MOST OF THE DATA REQUIRED FOR USING THESE PROCEDURES ARE CONTAINED IN THE MANUAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

DESCRIPTIVE NOTE: 638P. PRICE CODE: PC A99/MF E04. ORDER NO.: PB86-122496/WEP

ABSTRACT: NEW TECHNICAL DEVELOPMENTS IN THE FIELD OF WATER QUALITY ASSESSMENT AND A REORDERING OF WATER QUALITY PRIORITIES PROMPTED A REVISION OF THE FIRST TWO EDITIONS OF THIS MANUAL. THE UTILITY OF THE REVISED MANUAL IS ENHANCED BY THE INCLUSION OF METHODS TO PREDICT THE TRANSPORT AND FATE OF TOXIC CHEMICALS IN GROUND WATER, AND BY METHODS TO PREDICT THE FATE OF METALS IN RIVERS. IN ADDITION, MAJOR REVISIONS WERE COMPLETED ON CHAPTER 2 (ORGANIC TOXICANTS), CHAPTER 3 (WASTE LOADINGS), AND CHAPTER 5 (IMPOUNDMENTS) THAT REFLECT RECENT ADVANCEMENTS IN THESE FIELDS. APPLYING THE MANUAL'S SIMPLE TECHNIQUES, THE USER IS NOW CAPABLE OF ASSESSING THE LOADING AND FATE OF CONVENTIONAL POLLUTANTS (TEMPERATURE, BIOCHEMICAL OXYGEN DEMAND-DISSOLVED OXYGEN, NUTRIENTS, AND SEDIMENTS) AND TOXIC POLLUTANTS (FROM THE U.S. EPA LIST OF PRIORITY POLLUTANTS) IN STREAMS, IMPOUNDMENTS, ESTUARIES, AND GROUND WATERS. THE TECHNIQUES ARE READILY PROGRAMMED ON HAND-HELD CALCULATORS OR MICROCOMPUTERS. MOST OF THE DATA REQUIRED FOR USING THESE PROCEDURES ARE CONTAINED IN THE MANUAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013488

PUBLICATION DATE: FEB 86

TITLE: SMALL DIAMETER GRAVITY SEWERS: AN ALTERNATIVE FOR UNSEWERED COMMUNITIES.

PERSONAL AUTHOR: OTIS, RICHARD J.

DESCRIPTOR: \*ALTERNATIVE TECHNOLOGY; \*COSTS; \*GRAVITY SEWERS; \*CONSTRUCTION; \*DESIGN; \*OPERATIONS (WASTEWATER); \*PERFORMANCE EVALUATION; \*SEWERS; \*WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 125P. PRICE: \$8.50

ABSTRACT: THE MOST RECENTLY INTRODUCED WASTEWATER COLLECTION ALTERNATIVE FOR SMALL UNSEWERED COMMUNITIES IS SEPTIC TANK EFFLUENT DRAINS OR SMALL DIAMETER GRAVITY SEWERS (SDGS). UNLIKE CONVENTIONAL SEWERS, SDGS ONLY COLLECT SETTLED WASTEWATER, GRIT, GREASE AND OTHER TROUBLESOME SOLIDS WHICH MIGHT CAUSE OBSTRUCTIONS IN THE COLLECTORS ARE SEPARATED FROM THE FLOW IN INTERCEPTOR TANKS UPSTREAM OF

EACH CONNECTION. THEREFORE, THE HYDRAULIC DESIGN OF SDGS NEED NOT BE BASED ON WATER CARRIAGE OF SOLIDS. THIS MAY ALLOW SIGNIFICANT COST SAVINGS IN CONSTRUCTION. A THREE YEAR LABORATORY AND FIELD STUDY WAS UNDERTAKEN TO EVALUATE SDGS AS A WASTEWATER COLLECTION ALTERNATIVE TO CONVENTIONAL SEWERS. THE OBJECTIVE OF THE STUDY WAS TO DEVELOP DESIGN CRITERIA WHICH WOULD MINIMIZE COSTS OF CONSTRUCTION WHILE MAINTAINING RELIABLE, TROUBLE-FREE OPERATION. THE STUDY INCLUDED A REVIEW OF THE DESIGN, CONSTRUCTION, OPERATION AND COSTS OF OPERATING SYSTEMS, DETAILED CHARACTERIZATION OF THE WESTBORO, WISCONSIN SDGS SYSTEM, AND A LABORATORY INVESTIGATION TO DEVELOP HYDRAULIC DESIGN CRITERIA. THE RESULTS OF THE STUDY INDICATE THAT SDGS IS A VIABLE AND LOW COST ALTERNATIVE FOR WASTEWATER COLLECTION IN UNSEWERED AREAS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013489

PUBLICATION DATE: FEB 86

TITLE: IMPROVING DESIGN AND OPERATION OF HEAT TREATMENT/LOW PRESSURE OXIDATION SYSTEMS.

DESCRIPTOR: \*GUIDELINES; \*MAINTENANCE; \*DESIGN; \*HEAT TREATMENT; \*OPERATIONS (WASTEWATER); \*OXIDATION SYSTEMS; \*RESEARCH REPORTS; \*SLUDGE; \*SLUDGE CONDITIONING; \*WASTEWATER TREATMENT; \*THERMAL CONDITIONING

DESCRIPTIVE NOTE: 75P. PRICE: \$5.50

ABSTRACT: THE PURPOSE OF THIS INVESTIGATION IS TO DOCUMENT POSSIBLE IMPROVEMENTS TO DESIGN, OPERATION, AND MAINTENANCE OF HEAT TREATMENT AND LOW PRESSURE OXIDATION SYSTEMS FOR CONDITIONING SLUDGE PRIOR TO DEWATERING IN MUNICIPAL WASTEWATER TREATMENT PLANTS. THE INFORMATION IN THIS REPORT IS INTENDED TO SUPPLEMENT AND QUALIFY LITERATURE, PROVIDE A BASIC UNDERSTANDING OF THERMAL CONDITIONING PROCESSES, AS WELL AS TO PROVIDE CONCISE INFORMATION ON DESIGN CONSIDERATIONS, OPERATIONAL CHARACTERISTICS, AND PROCESS AND EQUIPMENT PROBLEMS AND POSSIBLE SOLUTIONS. THE REPORT ALSO ADDRESSES GUIDELINES FOR THE DESIGN OF NEW HEAT TREATMENT AND LOW PRESSURE OXIDATION FACILITIES AND UPGRADING OF EXISTING FACILITIES. THIS REPORT WILL BE USEFUL TO DESIGN ENGINEERS, GOVERNMENTAL AGENCY REVIEW PERSONNEL, MUNICIPAL OFFICIALS, OPERATORS, AND OTHERS WHO ARE CONSIDERING USING THERMAL CONDITIONING IN A SLUDGE TREATMENT TRAIN. OR WHO ARE CONCERNED WITH OPTIMIZING THE PERFORMANCE OF AN EXISTING THERMAL CONDITIONING FACILITY. THE INFORMATION FOR THIS PROJECT WAS COLLECTED FROM AVAILABLE LITERATURE, REVIEW OF PREVIOUS SURVEYS OF WASTEWATER FROM THERMAL CONDITIONING MANUFACTURERS, INHOUSE EXPERIENCE, SITE VISITS TO WASTEWATER TREATMENT PLANTS NATIONWIDE, AND CONTACTS WITH MANUFACTURERS. THE DATA BASE IS PRESENTED IN THE APPENDIX.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013490

PUBLICATION DATE: FEB 86

TITLE: STORS: THE SLUDGE TO OIL REACTOR SYSTEM.

PERSONAL AUTHOR: MOLTON, P. M.; AND OTHERS

DESCRIPTOR: \*ALTERNATIVE TECHNOLOGY; \*ENERGY CONSERVATION; \*ENERGY; \*OIL; \*RESOURCE RECOVERY; \*RECYCLING; \*SLUDGE; \*STORS; \*TECHNOLOGY; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 123P. PRICE: \$8.38

ABSTRACT: THE SLUDGE-TO-OIL REACTOR SYSTEM (STORS) CONTINUOUSLY CONVERTED OVER 400 GALLONS (2% PERCENT SOLIDS) OF SEWAGE SLUDGE TO OIL DURING 100 HOURS OF OPERATION. ABOUT 80 PERCENT OF THE ENERGY IN THE SLUDGE WAS RECOVERED AS AN OIL AND CHAR. THE ENERGY RECOVERED WAS SUFFICIENT TO MAKE THE STORS ENERGY SELF-SUFFICIENT ASSUMING THE CHAR IS BURNED TO FURNISH THE HEAT FOR THE PROCESS. STORS, WHEN FULLY DEVELOPED, APPEARS TO BE ANOTHER OPTION COMPETITIVE WITH INCINERATION FOR SLUDGE DISPOSAL. ONE TEST PERFORMED BY SPIKING THE SLUDGE WITH PESTICIDES INDICATED THAT SOME OF THE PESTICIDES WERE TOTALLY DESTROYED AND OTHERS WERE PARTLY DESTROYED DURING PROCESSING.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013491

PUBLICATION DATE: FEB 86

TITLE: AN EVALUATION OF SEPTIC LEACHATE DETECTION.

PERSONAL AUTHOR: DEESE, PATRICIA L.

DESCRIPTOR: \*COSTS; \*LEACHATE; \*LEACHATE DETECTION; \*PERFORMANCE EVALUATION; \*SEPTIC TANKS; \*TECHNOLOGY; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 120P. PRICE: \$8.20

ABSTRACT: AN EVALUATION OF SEPTIC LEACHATE DETECTION (SLD) TECHNOLOGY WAS PERFORMED. THE RESULTS INDICATED THAT THE CONCEPTUAL BASIS OF SLD DEVICES IS UNPROVEN AND THE DEVICES HAVE NOT BEEN EVALUATED PROPERLY TO DETERMINE THEIR UTILITY AS A SCREENING DEVICE IN FACILITY PLANNING FOR RURAL LAKESHORE COMMUNITIES. EVEN IF THIS ISSUE IS NEGLECTED, THE COST-EFFECTIVENESS OF SLD SURVEYS IS MARGINAL.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013492

PUBLICATION DATE: FEB 86

TITLE: LARGE SOIL ABSORPTION SYSTEMS FOR WASTEWATERS FROM

MULTIPLE-HOME DEVELOPMENTS.

PERSONAL AUTHOR: SIEGRIST, ROBERT L.; AND OTHERS

DESCRIPTOR: \*DESIGN; \*HOMES; \*MUNICIPALITIES; \*PERFORMANCE  
EVALUATION; \*SOIL ABSORPTION SYSTEMS; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 104P. PRICE: \$7.04

ABSTRACT: AN INVESTIGATION WAS CONDUCTED TO PROVIDE INSIGHT INTO THE DESIGN AND PERFORMANCE OF LARGE SOIL ABSORPTION SYSTEMS FOR TREATMENT AND DISPOSAL OF WASTEWATER FROM MULTIPLE-HOME DEVELOPMENTS. THE OBJECTIVES WERE TO INVESTIGATE ABSORPTION SYSTEM PERFORMANCE AND IDENTIFY POTENTIAL DEFICIENCIES IN PRESENTLY USED DESIGN CRITERIA. WHERE POSSIBLE, RECOMMENDATIONS REGARDING MORE APPROPRIATE DESIGN AND OPERATION PRACTICES WERE TO BE MADE. THE STUDY WAS CONDUCTED IN THREE PARTS. A SURVEY OF STATE REGULATORY AGENCIES WAS CONDUCTED TO ENABLE CHARACTERIZATION OF THE DISTRIBUTION, REGULATORY STRUCTURES, DESIGN RESTRICTIONS AND STATE ATTITUDES ASSOCIATED WITH MULTIPLE-HOME SYSTEMS. AN IN-DEPTH FIELD INVESTIGATION OF THE COMMUNITY WASTEWATER ABSORPTION SYSTEM AT WESTBORO, WISCONSIN WAS CONDUCTED BETWEEN JUNE 1981 AND MAY 1983. THIS WORK INCLUDED DELINEATION OF THE SOIL AND SITE CHARACTERISTICS AND MONITORING OF THE APPLIED WASTEWATER, ABSORPTION SYSTEM SOIL INFILTRABILITY, SUBSYSTEM SOIL MOISTURE AND PORE GAS, AND GROUNDWATER IMPACTS. THE FINAL PART OF THIS STUDY INCLUDED A MORE CASUAL FIELD INVESTIGATION OF SIX MULTIPLE HOME SYSTEMS LOCATED IN THE STATE OF WASHINGTON. THE BASIC CHARACTERISTICS OF EACH SYSTEM WERE DETERMINED INCLUDING THE FACILITY DESIGN, SOIL CONDITIONS, APPLIED WASTEWATER CHARACTER AND THE ABSORPTION SYSTEM PERFORMANCE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013493

PUBLICATION DATE: FEB 86

TITLE: MICROBIAL ACTIVITY IN COMPOSTING MUNICIPAL SEWAGE SLUDGE.

PERSONAL AUTHOR: VESTAL, J. ROBBIE; MCKINLEY, VICKY L.

DESCRIPTOR: \*BIOLOGICAL TREATMENT; \*COMPOSTING;  
\*MICROBIOLOGY; \*RESEARCH REPORTS; \*SEWAGE SLUDGE; \*SLUDGE;  
\*WASTE DISPOSAL; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 128P. PRICE: \$8.74

ABSTRACT: RESEARCH WAS CONDUCTED TO IDENTIFY THE MOST IMPORTANT OPERATIONAL PARAMETERS WHICH LIMIT THE GROWTH AND DECOMPOSITION ACTIVITY OF COMPOSTING SLUDGE MICROBIOTA. SENSITIVE AND NONSELECTIVE BIOCHEMICAL METHODS OF MONITORING MICROBIAL BIOMASS AND ACTIVITY WERE TESTED AND USED TO STUDY THE INTERACTIONS BETWEEN THE MICROBIAL COMMUNITIES AND TEMPERATURE, THE PRIMARY FACTOR AFFECTING THEIR ACTIVITY DURING COMPOSTING. OPTIMUM TEMPERATURES FOR MICROBIAL ACTIVITY AND BIOMASS WERE GENERALLY WITHIN THE 35 DEGREES TO 55 DEGREES RANGE. BIOMASS WAS MONITORED BY MEASURING THE

LIPID PHOSPHATE CONTENT (AN IMPORTANT CELL MEMBRANE COMPONENT) OF THE COMPOST. OTHER PARAMETERS THAT WERE MEASURED INCLUDED THE MOISTURE CONTENT, TOTAL ORGANIC CONTENT, TOTAL PROTEIN CONTENT, AND PH.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013494

PUBLICATION DATE: FEB 86

TITLE: TRICKLING FILTER/SOLIDS CONTACT PROCESS: FULL-SCALE STUDIES.

PERSONAL AUTHOR: MATASCI, RAYMOND N.; AND OTHERS

DESCRIPTOR: \*DESIGN; \*FACILITIES; \*OPERATIONS (WASTEWATER TREATMENT); \*PERFORMANCE EVALUATION; \*SOLIDS CONTACT FACILITIES; \*TRICKLING FILTERS; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 170P. PRICE: \$11.20

ABSTRACT: USE OF THE TRICKLING FILTER/SOLIDS CONTACT PROCESS HAS INCREASED SIGNIFICANTLY SINCE ITS SUCCESSFUL DEMONSTRATION AT THE CORVALLIS, OREGON PLANT IN 1979. THE PURPOSE OF THIS STUDY WAS TO DOCUMENT THE DESIGN FEATURES AND PERFORMANCE OF EXISTING TRICKLING FILTER/SOLIDS CONTACT FACILITIES AND TO GAIN MORE KNOWLEDGE ABOUT THE DESIGN AND OPERATION OF THE PROCESS. THE STUDIES INCLUDED A TOTAL OF 29 WEEKS OF FIELD INVESTIGATIONS AT FOUR PLANTS AND AN ANALYSIS OF OPERATING RECORDS AT THESE AND OTHER PLANTS. SPECIAL STUDIES ADDRESSED SEVERAL ISSUES. THE PRIMARY OBJECTIVES INCLUDED: (1) DEFINING THE TRICKLING FILTER/SOLIDS CONTACT PROCESS; (2) ASSESSING THE EFFECT OF COSETTLING IN THE PRIMARY SEDIMENTATION TANKS ON PRIMARY TREATMENT PERFORMANCE; (3) ASSESSING THE EFFECT OF TRICKLING FILTER LOADING, CONTACT TANK OPERATING PARAMETERS, SECONDARY CLARIFIER OVERFLOW RATE, AND COAGULANT ADDITION ON TRICKLING FILTER/SOLIDS CONTACT PERFORMANCE; AND (4) ASSESSING FLOCCULATION AND SOLUBLE BOD REMOVAL IN THE AERATED SOLIDS CONTACT TANK.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013495

PUBLICATION DATE: FEB 86

TITLE: INACTIVATION OF ENTERIC PATHOGENS DURING AEROBIC DIGESTION OF WASTEWATER SLUDGE.

PERSONAL AUTHOR: FARRAH, SAMUEL R.; AND OTHERS

DESCRIPTOR: \*AEROBIC DIGESTION; \*ENTERIC PATHOGENS;  
\*OPERATIONS (WASTEWATER); \*PATHOGENS; \*PERFORMANCE  
EVALUATION; \*RESEARCH REPORTS; \*SLUDGE; \*SLUDGE DIGESTION;  
\*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 78P. PRICE: \$5.68

ABSTRACT: THE EFFECTS OF AEROBIC AND ANAEROBIC DIGESTION ON ENTERIC VIRUSES, ENTERIC BACTERIA, TOTAL AEROBIC BACTERIA, AND INTESTINAL PARASITES WERE STUDIED UNDER LABORATORY AND FIELD CONDITIONS. UNDER LABORATORY CONDITIONS, THE TEMPERATURE OF THE SLUDGE DIGESTION WAS THE MAJOR FACTOR INFLUENCING SURVIVAL OF BACTERIA AND VIRUSES. THEIR SURVIVAL WAS SUBSTANTIALLY GREATER AT 7 DEGREES THAN 28 DEGREES. LOWERING THE TEMPERATURE OR DISSOLVED OXYGEN LEVEL REDUCED THE PERCENTAGE OF SOLIDS ASSOCIATED ORGANISMS FOR BACTERIA BUT NOT FOR VIRUSES. BACTERIA WERE INACTIVATED AT DIFFERENT RATES DURING AEROBIC SLUDGE DIGESTION. STREPTOCOCCUS FAECALIS WAS MORE STABLE THAN SALMONELLA TYPHIMURIUM OR ESCHERICHIA COLI. VARYING DETENTION TIME OR SOURCE OF SLUDGE DID NOT AFFECT THE RATE OF INACTIVATION OF VIRUSES OR BACTERIA. AERATION OF STOCK ASCARIS SUUM IN SLUDGE REDUCED PERCENT EMBRYONATION AND INFECTIVITY IN RATS WHEN COMPARED TO AERATION IN 0.1 N H<sub>2</sub>SO<sub>4</sub>. FULL-SCALE AEROBIC DIGESTION OF SLUDGE REDUCED DENSITIES OF BACTERIA AND ENTEROVIRUSES. IN MOST CASES, THE REDUCTIONS WERE CLOSE TO THE MAXIMA PREDICTED FOR COMPLETELY MIXED DIGESTERS THAT CONTINUALLY RECEIVE UNDIGESTED SLUDGE. THE NUMBER OF PARASITIC OVA FOUND IN SLUDGES VARIED GREATLY WITH THE COMMUNITY SERVED BY THE TREATMENT PLANT. THE RELATIVELY LOW NUMBERS OF OVA RECOVERED IN THE SLUDGE SAMPLES MAKE IT DIFFICULT TO EVALUATE THE EFFECT OF SLUDGE DIGESTION ON THESE AGENTS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW#13496

PUBLICATION DATE: FEB 86

TITLE: WET OXIDATION OF MUNICIPAL SLUDGE BY THE VERTICAL TUBE REACTOR.

PERSONAL AUTHOR: MCGREW, JAY L.; AND OTHERS

DESCRIPTOR: \*OPERATIONS (WASTEWATER); \*OXIDATION; \*PILOT STUDIES; \*SLUDGE; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 132P. PRICE: \$8.92

ABSTRACT: A STUDY WAS UNDERTAKEN TO ASSESS THE FEASIBILITY OF CARRYING OUT OXIDATION OF DILUTE SEWAGE SLUDGE BY MEANS OF THE VERTICAL TUBE REACTOR (VTR) SYSTEM. A PILOT SCALE FACILITY ALONG WITH A LABORATORY REACTOR WERE USED FOR THIS STUDY. DILUTE SEWAGE SLUDGE WAS OXIDIZED IN THE LABORATORY REACTOR AT TEMPERATURES UP TO 343 DEGREES WITH APPROXIMATELY 80% COD REDUCTION, AND TO 265 DEGREES IN THE PILOT SCALE REACTOR WITH APPROXIMATELY 50% COD REDUCTION. THE PILOT SCALE STUDY PROVIDED INFORMATION ON SCALE BUILDUP AND CONTROL, STRUCTURAL, AND MECHANICAL DESIGN, METALLURGY, HYDRODYNAMIC BEHAVIOR, HEAT TRANSFER, AND OTHER SIGNIFICANT ENGINEERING FACTORS. THE RESULTS OF THIS PROGRAM INDICATE THAT THE VTR PROCESS POTENTIALLY HAS TECHNICAL AND ECONOMIC VIABILITY AS A MEANS OF TREATING SEWAGE SLUDGE IN CERTAIN CASES AND THAT A FULL SCALE DEMONSTRATION IS WARRANTED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES

CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW#13497

PUBLICATION DATE: FEB 86

TITLE: EVALUATION OF A FLUIDIZED-BED SEWAGE SLUDGE INCINERATOR USING WOOD CHIPS FOR FUEL.

PERSONAL AUTHOR: KLEINHENC, NED J.; SMITH, GARY

DESCRIPTOR: \*ENERGY RECOVERY; \*EQUIPMENT; \*INCINERATION; \*INCINERATORS; \*FLUIDIZED BED COMBUSTORS; \*OPERATIONS (WASTEWATER); \*PERFORMANCE EVALUATION; \*RESOURCE RECOVERY; \*SLUDGE; \*WASTE DISPOSAL; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 99P. PRICE: \$6.94

ABSTRACT: AN ENVIRONMENTAL AND TECHNICAL EVALUATION WAS CONDUCTED ON THE WESTERN LAKE SUPERIOR SANITARY DISTRICT WASTE TREATMENT PLANT, WHICH USES WOOD CHIPS TO INCINERATE SEWAGE SLUDGE IN FLUIDIZED-BED COMBUSTORS. THE MOST IMPORTANT ENVIRONMENTAL FACTORS FOR EVALUATION WERE DETERMINED TO BE THE METAL CONTENTS OF THE PARTICULATE STACK EMISSIONS AND OF VARIOUS INFLUENT AND EFFLUENT STREAMS TO THE COMBUSTOR SCRUBBER SYSTEM. THE TECHNICAL EVALUATION USED DATA COLLECTED OVER THE LIFE OF THE FACILITY TO DEVELOP A MATHEMATICAL MODEL OF THE INCINERATION AND ENERGY RECOVERY SYSTEM. THE MODEL WAS CODED IN THE FORM OF A COMPUTER PROGRAM AND CAN RAPIDLY EVALUATE A WIDE VARIETY OF POSSIBLE SITUATIONS IN WHICH SUCH AN ENERGY RECOVERY APPROACH MIGHT BE TAKEN. THUS, THE TECHNICAL EVALUATION IS PRESENTED IN A WIDELY USABLE AND UNDERSTANDABLE FORM.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW#13498

PUBLICATION DATE: FEB 86

TITLE: TOXIC SUBSTANCE REMOVAL IN ACTIVATED SLUDGE AND PAC TREATMENT SYSTEMS.

PERSONAL AUTHOR: WEBER, WALTER J., JR.; JONES, BRUCE E.

DESCRIPTOR: \*ACTIVATED CARBON; \*ACTIVATED SLUDGE; \*OPERATIONS (WASTEWATER); \*PERFORMANCE EVALUATION; \*SLUDGE; \*TOXIC SUBSTANCES; \*WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 560P. PRICE: \$34.60

ABSTRACT: THE EFFECTIVENESS OF ADDING POWDERED ACTIVATED CARBON TO ACTIVATED SLUDGE SYSTEMS WAS EVALUATED FOR ENHANCED REMOVAL OF SPECIFIC TOXIC ORGANIC COMPOUNDS. NINE ORGANIC COMPOUNDS ENCOMPASSING A RANGE OF SOLUBILITY, VOLATILITY, BIODEGRADABILITY, AND ADSORPTIVE PROPERTIES WERE STUDIED ALONG WITH SELECTED COMMERCIAL POWDERED ACTIVATED CARBONS. THE STUDIES SHOWED THAT THE ADDITION OF LESS THAN 100MG/L POWDERED ACTIVATED CARBON DID NOT ENHANCE THE

REMOVAL OF THE BIODEGRADABLE COMPOUNDS BENZENE, TOLUENE, ETHYLBENZENE, O-XYLENE, CHLOROBENZENE, AND NITROBENZENE. SIGNIFICANTLY IMPROVED REMOVALS OF THE POORLY DEGRADABLE AND NON-BIODEGRADABLE COMPOUNDS 1, 2-DICHLOROBENZENE, 1, 2, 4-TRICHLOROBENZENE, AND LINDANE, OCCURRED AT INFLUENT POWDERED CARBON CONCENTRATIONS IN THE 12.5- TO 25-MG/L RANGE. INFLUENT POWDERED CARBON CONCENTRATIONS OF 100 MG/L EFFECTED OVERALL REMOVALS OF GREATER THAN 90%. THE ADDITION OF POWDERED ACTIVATED CARBON NOT ONLY REDUCED EFFLUENT CONCENTRATIONS BUT ALSO REDUCED THE AMOUNTS OF THE VOLATILE COMPOUNDS STRIPPED TO THE ATMOSPHERE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013499

PUBLICATION DATE: JUN 85

TITLE: PUBLICATIONS BY THE STAFF OF THE GREAT LAKES ENVIRONMENTAL RESEARCH LABORATORY.

DESCRIPTOR: \*CHEMICAL CHARACTERISTICS; \*BIBLIOGRAPHIES; \*BIOLOGY; \*HYDROLOGY; \*GREAT LAKES; \*LAKES; \*PHYSICAL CHARACTERISTICS; \*RESEARCH REPORTS; \*WATER QUALITY; \*WATER QUALITY; \*WATER RESOURCES; \*WEATHER; \*RESOURCE MANAGEMENT

DESCRIPTIVE NOTE: 103P. COMPLIMENTARY COPIES AVAILABLE AS LONG AS SUPPLY LASTS.

ABSTRACT: THIS DOCUMENT LISTS ALL PUBLICATIONS THAT INCLUDE GLERL SCIENTISTS AS AUTHORS AND WERE PUBLISHED FROM APRIL, 1974 THROUGH MARCH, 1985. THE PRIMARY LIST OF PUBLICATIONS IS ALPHABETIZED BY SENIOR AUTHOR, FOLLOWED BY A SECONDARY AUTHOR CROSS-REFERENCE AND FINALLY A LIST ALPHABETIZED BY TITLE.

AVAILABILITY: INFORMATION SERVICES, GREAT LAKES ENVIRONMENTAL RESEARCH LABORATORY, 2300 WASHTENAW AVENUE, ANN ARBOR, MI 48104

IRIS ACCESSION NUMBER: EW013500

PUBLICATION DATE: JUN 85

TITLE: SECOND ANNUAL NATIONAL OPERATOR TRAINING CONFERENCE.

DESCRIPTOR: \*INSTRUCTION; \*CONFERENCE PROCEEDINGS; \*OPERATIONS (WASTEWATER); \*OPERATOR TRAINING; \*TRAINING; \*USEPA; \*WASTEWATER TREATMENT; \*WATER QUALITY

DESCRIPTIVE NOTE: 132P.

ABSTRACT: THIS PUBLICATION CONTAINS THE PRESENTATIONS AND SOME OF THE DISCUSSIONS OF THE SECOND ANNUAL NATIONAL OPERATOR TRAINING CONFERENCE HELD IN KANSAS CITY, MISSOURI IN 1985. MANY OF THE DISCUSSION ITEMS AND PRESENTATIONS ARE AS TYPED FROM TAPES AND CONTAIN SOME SPELLING ERRORS. THE FOCUS OF THE CONFERENCE WAS ON THE IMPROVEMENT OF WASTEWATER TREATMENT.

AVAILABILITY: KIRKWOOD COMMUNITY COLLEGE, ENVIRONMENTAL TRAINING CENTER, 6301 KIRKWOOD BLVD, S. W., P.O. BOX 2066, CEDAR RAPIDS, IA 52406

IRIS ACCESSION NUMBER: EW013501

PUBLICATION DATE: JUN 85

TITLE: SUPERFUND HANDBOOK.

PERSONAL AUTHOR: CASLER, JANE; RAMSEY, STEPHEN

DESCRIPTOR: \*COMPLIANCE; \*ENFORCEMENT; \*CERCLA; HAZARDOUS WASTES; \*HAZARDOUS MATERIALS; \*LEGISLATION; \*NATIONAL CONTINGENCY PLAN; \*SUPERFUND; \*USEPA; \*HAZARDOUS WASTE SITES; \*POLLUTION CONTROL; \*PLANNING; \*MANAGEMENT

DESCRIPTIVE NOTE: 107P.

ABSTRACT: THIS HANDBOOK IS A BRIEF GUIDE AND GENERAL OVERVIEW OF CERCLA ("SUPERFUND") AND THE NATIONAL CONTINGENCY PLAN (NCP). IT DOES NOT, HOWEVER, DEAL WITH CLEANUP OF SOIL SPILLS, THE ORIGINAL IMPETUS FOR THE NCP. RATHER, THE HANDBOOK FOCUSES ON FEDERAL SUPERFUND LEGISLATION AND ITS POTENTIAL IMPACTS ON THOSE RESPONSIBLE FOR SITES WHERE HAZARDOUS RELEASES HAVE OCCURRED, OR MAY OCCUR.

AVAILABILITY: ENVIRONMENTAL RESEARCH AND TECHNOLOGY, INC., 696 VIRGINIA ROAD, CONCORD, MASSACHUSETTS 01742, USA

IRIS ACCESSION NUMBER: EW013503

PUBLICATION DATE: JUL 85

TITLE: TARGETING EROSION CONTROL: BASEBOOK-METHODS AND DATA.

PERSONAL AUTHOR: HOOVER, HERBERT; AND OTHERS

DESCRIPTOR: \*AGRICULTURE; \*ALABAMA; \*ATTITUDES; \*EROSION CONTROL; \*FARMS; \*SOIL CONSERVATION; \*OPERATIONS (FARMING); \*MISSOURI; \*RESEARCH REPORTS; \*TENNESSEE; \*SURVEYS; \*WASHINGTON

DESCRIPTIVE NOTE: 219P.

ABSTRACT: THIS BASEBOOK PROVIDES DESCRIPTIVE INFORMATION ON THE DESIGN AND IMPLEMENTATION OF RESEARCH ON TARGETING EROSION CONTROL PROGRAMS AND EXTENSIVE TABULAR DATA FROM A SURVEY OF 709 FARM OPERATORS IN EIGHT COUNTIES IN ALABAMA, MISSOURI, TENNESSEE, AND WASHINGTON FROM NOVEMBER 1983 TO FEBRUARY 1984. DATA ARE PROVIDED ON FARM OPERATORS' USE OF SOIL CONSERVATION PRACTICES, THEIR REASONS FOR NOT ADOPTING PRACTICES, AND THEIR KNOWLEDGE OF AND PARTICIPATION IN THE TARGETING PROGRAM. THESE DATA INCLUDE THE AMOUNT OF TECHNICAL AND FINANCIAL ASSISTANCE PROVIDED TO SURVEYED FARM OPERATORS DURING 1980 AND FROM 1981 TO 1983.

AVAILABILITY: UNITED STATES DEPARTMENT OF AGRICULTURE,

TREATMENT

62

IRIS ACCESSION NUMBER: EW013504

PUBLICATION DATE: JAN 83

TITLE: COMMUNITY RIGHT TO KNOW: HAZARDOUS MATERIALS  
DISCLOSURE INFORMATION SYSTEMS.

PERSONAL AUTHOR: SHERRY, SUSAN; PURIN, REGINA

DESCRIPTOR: COSTS; \*DISCLOSURE ORDINANCES; \*ENVIRONMENT;  
ENFORCEMENT; \*HAZARDOUS MATERIALS; \*INFORMATION SYSTEMS;  
\*LOCAL ORDINANCES; \*PUBLIC PARTICIPATION; MANAGEMENT;  
\*PUBLIC EDUCATION; \*PUBLIC HEALTH; \*PROGRAM DESCRIPTIONS;  
\*REGULATIONS; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 152P. PRICE: \$12.00

ABSTRACT: THIS MANUAL HAS BEEN DEVELOPED AS PART OF A  
PREVENTIVE APPROACH TO ENVIRONMENTAL HEALTH PROBLEMS.  
DESIGNED FOR USE BY LOCAL ELECTED OFFICIALS, HEALTH AND  
SAFETY OFFICERS, EMERGENCY RESPONSE PERSONNEL AND COMMUNITY  
GROUPS, THE MANUAL DISCUSSES OPTIONS FOR DEVELOPING AND  
IMPLEMENTING HAZARDOUS MATERIALS DISCLOSURE INFORMATION  
SYSTEMS THROUGH LOCAL ORDINANCES. ALTHOUGH THE MANUAL WAS  
COMPILED TO ASSIST CALIFORNIA COMMUNITIES, APPROXIMATELY 75%  
OF THE INFORMATION IS GENERIC AND CAN EASILY BE APPLIED TO  
LOCALITIES OUTSIDE OF CALIFORNIA. THE MANUAL IS INTENDED TO  
ASSIST LOCAL COMMUNITIES IN DETERMINING THEIR NEED FOR  
INFORMATION ON THE HAZARDOUS MATERIALS USED AND HANDLED IN  
THEIR AREAS. THE HANDBOOK SUMMARIZES DISCLOSURE ORDINANCES  
ACROSS THE COUNTRY, PROVIDES SUGGESTIONS ON HAZARDOUS  
MATERIALS TO BE INCLUDED OR EXEMPTED IN AN ORDINANCE,  
PRESENTS MANUAL AND COMPUTERIZED POSSIBILITIES FOR MANAGING  
THE DISCLOSURE DATA, DISCUSSES PUBLIC EDUCATION ON  
DISCLOSURE, AND IDENTIFIES THE SPECIFIC COST OF VARIOUS  
PROGRAM DESIGNS. THE HANDBOOK APPENDICES CONTAIN A GLOSSARY  
OF TERMS, A COMPREHENSIVE BIBLIOGRAPHY, A TOXIC INFORMATION  
AND REFERRAL LIST AND OTHER DOCUMENTS RELEVANT TO LOCAL  
DISCLOSURE INFORMATION SYSTEMS.

AVAILABILITY: GOLDEN EMPIRE HEALTH PLANNING CENTER, 2100  
21ST. STREET, SACRAMENTO, CA 95810

IRIS ACCESSION NUMBER: EW013505

PUBLICATION DATE: OCT 85

TITLE: HIGH TECH AND TOXICS: A GUIDE FOR LOCAL  
COMMUNITIES.

PERSONAL AUTHOR: SHERRY, SUSAN; AND OTHERS

DESCRIPTOR: \*COMMUNITY PROBLEMS; \*GOVERNMENT ROLE;  
\*HAZARDOUS MATERIALS; \*HIGH TECHNOLOGY; \*LOCAL GOVERNMENT;  
\*MANAGEMENT; \*PLANNING; \*PUBLIC HEALTH; \*PROGRAM  
DESCRIPTIONS; \*TECHNOLOGY; \*TOXIC SUBSTANCES; \*WASTE  
STORAGE; \*WASTE MANAGEMENT; \*WASTE DISPOSAL; \*WASTE

DESCRIPTIVE NOTE: 485P. PRICE: \$21.95 PLUS 10%  
POSTAGE/HANDLING

ABSTRACT: HIGH TECHNOLOGY FREQUENTLY REQUIRES THE STORAGE,  
USE AND DISPOSAL OF A WIDE RANGE OF HAZARDOUS MATERIALS. ANY  
COMMUNITY WHICH LOOKS TO HIGH TECH INDUSTRY TO PLAY A MAJOR  
ROLE IN ITS STRATEGY FOR ECONOMIC GROWTH MUST BE PREPARED TO  
CAREFULLY MONITOR, MANAGE, CONTROL AND REGULATE HAZARDOUS  
MATERIALS. THERE ARE MANY PROGRAMS THAT CAN DRAMATICALLY  
DECREASE THE RISK OF PUBLIC EXPOSURE TO INDUSTRIAL  
CHEMICALS. THIS BOOK CONSIDERS MANY PROGRAMS THAT CAN BE  
ADOPTED AND IMPLEMENTED BY LOCAL GOVERNMENTS. MAJOR SECTIONS  
INCLUDE (1) TECHNOLOGY: OPPORTUNITIES, HAZARDS CHALLENGES;  
(2) FACING THE PROBLEM: THE FIRST STEP TOWARD FINDING  
SOLUTIONS; (3) THE HIGH TECH INDUSTRY: A HAZARDOUS MATERIALS  
PROFILE; (4) EVALUATING THE COMMUNITY HEALTH HAZARDS; (5)  
REDUCING THE HAZARDS: TECHNOLOGY AND MANAGEMENT PRACTICES;  
AND (6) OPPORTUNITIES FOR LOCAL GOVERNMENT.

AVAILABILITY: NATIONAL CENTER FOR POLICY ALTERNATIVES, 2000  
FLORIDA AVENUE, N.W., RM. 400, WASHINGTON, D.C. 20009

IRIS ACCESSION NUMBER: EW013507

PUBLICATION DATE: SEP 85

TITLE: MICROBIOLOGICAL SKILLS FOR WATER AND WASTEWATER  
ANALYSIS.

PERSONAL AUTHOR: CLARK, DOUGLAS W.

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*INSTRUCTIONAL  
MATERIALS; \*LABORATORY EQUIPMENT; \*LABORATORY PROCEDURES;  
\*MICROBIOLOGY; \*POSTSECONDARY EDUCATION; \*SAFETY;  
\*WASTEWATER TREATMENT; \*WATER TREATMENT

DESCRIPTIVE NOTE: 79P. PRICE: \$14.50

ABSTRACT: THIS HANDBOOK IS CONCERNED WITH THE PROPER CARE  
AND FEEDING OF MICROORGANISMS RECOVERED FROM WATER AND  
WASTEWATER SAMPLES. THE MICROORGANISMS MUST BE CULTURED AND  
IDENTIFIED TO DETERMINE NOT ONLY WHAT KINDS OF CELLS WERE  
PRESENT IN THE ORIGINAL SAMPLE, BUT ALSO WHAT CONCENTRATIONS  
THEY APPEARED IN. SECTIONS ARE INCLUDED ON EQUIPMENT AND  
SUPPLIES, MEDIA AND REAGENTS, WORKING WITH MICROORGANISMS,  
MEMBRANE FILTRATION, QUALITY ASSURANCE, AND LABORATORY  
SAFETY.

AVAILABILITY: NEW MEXICO WATER RESOURCES RESEARCH  
INSTITUTE, NEW MEXICO STATE UNIVERSITY, BOX 3167, LAS  
CRUCES, NEW MEXICO 88003-3167

IRIS ACCESSION NUMBER: EW013508

PUBLICATION DATE: 85

TITLE: STUDY AND INTERPRETATION OF THE CHEMICAL  
CHARACTERISTICS OF NATURAL WATER.



PERSONAL AUTHOR: HEM, JOHN D.

DESCRIPTOR: \*CHEMICAL REACTIONS; \*CHEMISTRY; \*GEOCHEMISTRY;  
\*CHEMICALS; \*CHEMICAL PROPERTIES; \*WATER; \*WATER QUALITY;  
\*ANALYTICAL TECHNIQUES; \*LABORATORY PROCEDURES

DESCRIPTIVE NOTE: 276P. OVERHEADS INCLUDED

ABSTRACT: THIS IS THE THIRD EDITION OF THIS PUBLICATION. THE BOOK IS INTENDED TO SERVE AS AN INTRODUCTION TO THE TOPICS OF LOW TEMPERATURE AQUEOUS GEOCHEMISTRY AND OF APPLIED AND THEORETICAL WATER CHEMISTRY, AND AS AN AID TO HYDROLOGISTS AND HYDROGEOLOGISTS WHO MAY NEED TO EVALUATE WATER QUALITY AND INCORPORATE WATER CHEMISTRY INTO THEIR INVESTIGATIONS OF WATER RESOURCES.

AVAILABILITY: DISTRIBUTION BRANCH, TEXT PRODUCTS SECTION, U.S. GEOLOGICAL SURVEY, 604 SOUTH PICKETT ST., ALEXANDRIA, VA 22304

IRIS ACCESSION NUMBER: EW013511

PUBLICATION DATE: MAY 84

TITLE: PROCEEDINGS OF THE ELEVENTH ANNUAL CONFERENCE ON WETLANDS RESTORATION AND CREATION.

DESCRIPTOR: \*CONFERENCE PROCEEDINGS; \*DEVELOPMENT; LAND USE; \*MANAGEMENT; \*RESEARCH REPORTS; \*WETLANDS; \*WATER QUALITY; \*WATER RESOURCES

DESCRIPTIVE NOTE: 206P. PRICE: \$18.00

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS OF THE 11TH ANNUAL CONFERENCE ON WETLANDS RESTORATION AND CREATION HELD IN 1984. THIRTEEN PAPERS ON VARIOUS TOPICS ARE INCLUDED. PAPERS RELATE TO THE RESTORATION, CREATION, AND MANAGEMENT OF FRESHWATER AND COASTAL SYSTEMS.

AVAILABILITY: HILLSBOROUGH COMMUNITY COLLEGE, P.O. BOX 22127, TAMPA, FL 33630

IRIS ACCESSION NUMBER: EW013522

PUBLICATION DATE: FEB 86

TITLE: OIL WATER SEPARATORS. 1970-FEBRUARY 1986 (CITATIONS FROM THE ENGINEERING INDEX DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*EQUIPMENT; \*SEPARATORS; \*OIL/WATER SEPARATORS; \*OIL SPILLS; \*WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 127P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-050065/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF OIL-WATER SEPARATORS IN THE MARINE, MANUFACTURING, AND PETROCHEMICAL INDUSTRIES. GRAVITY SEPARATORS, COALESCERS, FILTERS, AND FLOTATION UNITS ARE

AMONG THE EQUIPMENT TYPES CONSIDERED. DESIGN CONSIDERATIONS, AND SYSTEM DESCRIPTIONS AND EVALUATIONS ARE PRESENTED. UTILIZATION OF A VARIETY OF DEVICES IN OIL SPILL CLEAN UP OPERATIONS IS DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 101 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013523

PUBLICATION DATE: JAN 86

TITLE: HAZARDOUS WASTE TREATMENT TECHNOLOGY.

DESCRIPTOR: \*HAZARDOUS WASTES; \*TECHNOLOGY; \*WASTE DISPOSAL; \*WASTE TREATMENT

DESCRIPTIVE NOTE: 78P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-145539/WEP

ABSTRACT: HAZARDOUS WASTE MAY BE STORED, TREATED AND DISPOSED IN A VARIETY OF WAYS. TREATMENT TECHNOLOGY EXISTS TODAY FOR DETOXIFICATION OR DESTRUCTION OF WASTES IN AN ENVIRONMENTALLY ACCEPTABLE MANNER THROUGH PHYSICAL, CHEMICAL AND BIOLOGICAL MEANS. THIS VOLUME COVERS SEVERAL COMMON ALTERNATIVE TECHNOLOGIES FOR TREATMENT OF HAZARDOUS WASTES AS WELL AS SEVERAL EMERGING ALTERNATIVE TECHNOLOGIES THAT SHOW PROMISE FOR FUTURE APPLICATION. THERMAL DESTRUCTION OF WASTES THROUGH INCINERATION, REACTION WITH MOLTEN GLASS, ETC., IS NOT INCLUDED AS PART OF THIS EFFORT. ALTERNATIVE TECHNOLOGIES ARE TAKEN TO BE THOSE THAT PROVIDE TREATMENT TECHNIQUES FOR WASTE OTHER THAN LANDFILLING, LANDFARMING, OR LAGOONING. THESE ALTERNATIVES ARE FURTHER SUBDIVIDED INTO EXISTING AND EMERGING TECHNOLOGIES DEPENDING ON WHETHER OR NOT THEY HAVE BEEN PROVEN IN FULL SCALE TESTS AND ADOPTED FOR COMMERCIAL USE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013524

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TOLUENE (FINAL DRAFT).

PERSONAL AUTHOR: BECKER, J. M.; NEAL M. W.

DESCRIPTOR: \*DRINKING WATER; \*DRINKING WATER CRITERIA; \*HEALTH EFFECTS; \*REGULATIONS; \*TOLUENE; USEPA; \*TOXIC SUBSTANCES; \*WATER TREATMENT; \*WATER QUALITY

DESCRIPTIVE NOTE: 190P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-117975/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODM), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING

WATER CRITERIA DOCUMENT ON TOLUENE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF TOLUENE; TOXICOKINETICS AND HUMAN EXPOSURE TO TOLUENE; HEALTH EFFECTS OF TOLUENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF TOLUENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF TOLUENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013526

PUBLICATION DATE: SEP 84 .

TITLE: HEALTH EFFECTS ASSESSMENT FOR BENZO(A)PYRENE.

DESCRIPTOR: \*BENZO(A)PYRENE; \*HEALTH EFFECTS; \*POLLUTION CONTROL; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 43P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134335/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMIC TOXICANTS, OR DISUD 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q(SUB 1) WAS DETERMINED FOR BENZO(A)PYRENE BASED ON BOTH ORAL AND INHALATION EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013527

PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR CHLORDANE.

DESCRIPTOR: \*CHLORDANE; \*HEALTH EFFECTS; \*POLLUTION CONTROL; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 39P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134343/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMIC TOXICANTS, OR DISUD 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q(SUB 1) WAS DETERMINED FOR CHLORDANE BASED ON ORAL EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013529

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TRIMELLITE ANHYDRIDE.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*PUBLIC HEALTH; \*TRIMELLITE ANHYDRIDE; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 29P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-149325/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013530

PUBLICATION DATE: 86

TITLE: ENVIRONMENTAL AND OCCUPATIONAL CARCINOGENESIS.

DESCRIPTOR: \*BULLETINS; \*CANCER; \*CANCERGRAM; \*CARCINOGENESIS; \*ENVIRONMENT; \*INFORMATION RESOURCES; \*OCCUPATIONAL HEALTH; \*PUBLIC HEALTH

DESCRIPTIVE NOTE: 12 ISSUES; SUBSCRIPTION; ORDER NO.: PB86-935200/WEP

ABSTRACT: THE EPIDEMIOLOGY-ORIENTED CANCERGRAM DEALS WITH BROAD ASPECTS OF THE ORIGIN OR SOURCE OF CANCER IN THE GENERAL POPULATION. THE SCOPE INCLUDES FACTORS SUCH AS GEOGRAPHIC REGION, ETHNIC ORIGIN, SOCIOECONOMIC CLASS, LIFESTYLE, EMOTIONAL HEALTH, AND PERSONAL HABITS WHICH MAY BE IMPLICATED IN THE DEVELOPMENT OF HUMAN CANCER. THE SCOPE ALSO INCLUDES SELECTED ARTICLES ON ENVIRONMENTAL POLLUTION, OCCUPATION, MEDICAL TREATMENT, PUBLIC POLICY, AND ENVIRONMENTAL SCREENING TESTS THAT HAVE SIGNIFICANCE FOR CARCINOGENESIS IN THE GENERAL POPULATION. THE CANCERGRAM GENERALLY EXCLUDES ARTICLES RELATING ONLY TO NARROW POPULATION GROUPS, AND SPECIFICALLY EXCLUDES DIETARY ASPECTS OF HUMAN CARCINOGENESIS, WHICH ARE COVERED IN CANCERGRAM

SERIES CK03.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013531

PUBLICATION DATE: 86

TITLE: RADIATION CARCINOGENESIS.

DESCRIPTOR: \*BULLETINS; \*CANCERGRAM; \*CARCINOGENESIS;  
\*CANCER; \*INFORMATION DISSEMINATION; \*PUBLIC HEALTH;  
\*RADIATION; \*INFORMATION RESOURCES

DESCRIPTIVE NOTE: 12 ISSUES; SUBSCRIPTION; ORDER NO.:  
PB86-935500/WEP

ABSTRACT: THE CANCERGRAM DEALS WITH ALL ASPECTS OF  
RADIATION CARCINOGENESIS. THE TERM 'RADIATION' HERE INCLUDES  
U-V RADIATION AND THE ENTIRE ELECTROMAGNETIC SPECTRUM,  
ELECTRON AND OTHER CHARGED PARTICLE BEAMS, NEUTRONS AND  
ALPHA AND BETA RADIATION FROM RADIOACTIVE SUBSTANCES.  
ABSTRACTS INCLUDED CONCERN RELATIONSHIPS BETWEEN RADIATION  
AND CARCINOGENESIS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013532

PUBLICATION DATE: SEP 85

TITLE: WATER QUALITY ASSESSMENT: A SCREENING PROCEDURE FOR  
TOXIC AND CONVENTIONAL POLLUTANTS IN SURFACE AND GROUND  
WATER. PART 3/REV 85

PERSONAL AUTHOR: MILLS, W. B.; AND OTHERS

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*CHEMICALS;  
\*POLLUTANTS; \*GROUNDWATER; \*SCREENING PROCEDURES;  
\*TRANSPORT; \*TOXIC SUBSTANCES; \*WATER QUALITY; \*SURFACE  
WATERS

DESCRIPTIVE NOTE: 185P. PRICE CODE: PC A09/MF A01. ORDER  
NO.: PB86-162195/WEP

ABSTRACT: NEW TECHNICAL DEVELOPMENT IN THE FIELD OF WATER  
QUALITY ASSESSMENT AND A RE-ORDERING OF WATER QUALITY  
PRIORITIES PROMPTED A REVISION OF THE FIRST TWO EDITIONS OF  
THIS MANUAL. THE UTILITY OF THE REVISED MANUAL IS ENHANCED  
BY THE INCLUSION OF METHODS TO PREDICT THE TRANSPORT AND  
FATE OF TOXIC CHEMICALS IN GROUND WATER AND TO PREDICT THE  
FATE OF METALS IN RIVERS. IN ADDITION, MAJOR REVISIONS ARE  
COMPLETED ON CHAPTERS 2, (ORGANIC TOXICANTS), 3 (WASTE  
LOADINGS), AND 5 (IMPOUNDMENTS) THAT REFLECT RECENT  
ADVANCEMENTS IN THESE FIELDS. APPLYING THE MANUAL'S SIMPLE  
TECHNIQUES, THE USER IS NOW CAPABLE OF ASSESSING THE LOADING  
AND FATE OF CONVENTIONAL POLLUTANTS (TEMPERATURE,  
BIOCHEMICAL OXYGEN DEMAND-DISSOLVED OXYGEN, NUTRIENTS, AND

SEDIMENTS) AND TOXIC POLLUTANTS (FROM THE LIST OF U.S. EPA  
PRIORITY POLLUTANTS) IN STREAMS, IMPOUNDMENTS, ESTUARIES,  
AND GROUND WATERS. THE TECHNIQUES ARE READILY PROGRAMMED ON  
HAND-HELD CALCULATORS OR MICROCOMPUTERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013533

PUBLICATION DATE: SEP 85

TITLE: TECHNICAL SUPPORT DOCUMENT FOR WATER QUALITY-BASED  
TOXICS CONTROL.

PERSONAL AUTHOR: BRANDES, R.; AND OTHERS

DESCRIPTOR: \*COMPLIANCE; \*HAZARDOUS MATERIALS; \*RISK  
ASSESSMENT; \*STANDARDS; \*PUBLIC HEALTH; \*TOXIC SUBSTANCES;  
\*WATER QUALITY

DESCRIPTIVE NOTE: 114P. PRICE CODE: PC A06/MF A01. ORDER  
NO.: PB86-150067/WEP

ABSTRACT: THE REPORT PROVIDES GUIDANCE FOR EACH STEP IN THE  
WATER QUALITY-BASED TOXICS CONTROL PROCESS FROM SCREENING TO  
COMPLIANCE MONITORING; SECTION 1 DISCUSSES THE ADVANTAGES  
AND DISADVANTAGES OF TWO APPROACHES TO TOXICS CONTROL;  
TOXICITY TESTING AND CHEMICAL SPECIFIC ASSESSMENT; SECTION  
2, WATER QUALITY CRITERIA AND STANDARDS, CONTAINS A BRIEF  
DISCUSSION OF WATER QUALITY STANDARDS AND THE DERIVATION OF  
AMBIENT CRITERIA TO ATTAIN AND MAINTAIN STANDARDS; SECTION  
3, EFFLUENT CHARACTERIZATION, DESCRIBES PROCEDURES THAT  
PROVIDE THE DATA NEEDED TO MAKE DECISIONS REGARDING TOXIC  
IMPACT. A TWO-TIERED ASSESSMENT APPROACH IS RECOMMENDED;  
SECTION 4, HUMAN HEALTH HAZARD ASSESSMENT, DESCRIBES  
PROCEDURES FOR ASSESSING POTENTIAL HUMAN HEALTH HAZARDS  
ASSOCIATED WITH EFFLUENTS; SECTION 5, EXPOSURE ASSESSMENT,  
DESCRIBES PROCEDURES FOR ESTIMATING EXPOSURE TO TOXICANTS  
AND CALCULATING EFFLUENT REQUIREMENTS BASED ON AMBIENT  
CRITERIA AND EXPOSURE; AND SECTION 6, PERMIT REQUIREMENTS,  
DESCRIBES METHODS TO DEVELOP WATER QUALITY-BASED NPDES  
PERMITS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285  
PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013534

PUBLICATION DATE: JAN 86

TITLE: IDENTIFICATION MANUAL FOR PHYTOPLANKTON OF THE  
UNITED STATES ATLANTIC COAST.

PERSONAL AUTHOR: MARSHALL, H. G.

DESCRIPTOR: \*ATLANTIC COAST; \*BOTANY; \*INSTRUCTIONAL  
MATERIALS; \*IDENTIFICATION KEYS; \*MANUALS; \*PHYTOPLANKTON

DESCRIPTIVE NOTE: 144P. PRICE CODE: PC A07/MF A01. ORDER

NO.: PB86-151222/WEP

ABSTRACT: THE IDENTIFICATION MANUAL IS DESIGNED FOR GENERAL USAGE BY INDIVIDUALS WHO HAVE NOT HAD FORMAL TRAINING IN PHYTOPLANKTON SYSTEMATICS OR ACCESS TO THE NUMEROUS KEYS AND TAXONOMIC REFERENCES USUALLY NECESSARY TO IDENTIFY MARINE PHYTOPLANKTON. THE MANUAL CONTAINS 173 SPECIES, REPRESENTING 9 TAXONOMIC GROUPS, THAT THE AUTHOR CONSIDERS AMONG THE MORE COMMON SPECIES FOUND ON THE UNITED STATES EASTERN COAST. THE USER IS ALSO PROVIDED WITH A LIST OF ADDITIONAL IDENTIFICATION REFERENCES FOR THE MAJOR TAXONOMIC GROUPS, PHYTOPLANKTON STUDIES FOR THE UNITED STATES EAST COAST, AND RECOMMENDED COLLECTION AND PREPARATION TECHNIQUES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13535

PUBLICATION DATE: SEP 85

TITLE: INSTITUTIONAL ARRANGEMENTS AND FINANCING ALTERNATIVES FOR STATE AND LOCAL WATER PROGRAMS.

PERSONAL AUTHOR: ZIEGLER, J. A.

DESCRIPTOR: ARKANSAS; \*ECONOMICS; \*FINANCING; \*LOCAL ROLE; \*STATE ROLE; \*WATER PROJECTS

DESCRIPTIVE NOTE: 71P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-151719/WEP

ABSTRACT: THE STUDY ANALYZES ALTERNATIVE INSTITUTIONAL ARRANGEMENTS AND FINANCING ALTERNATIVES FOR WATER PROJECTS AT THE STATE AND LOCAL LEVELS WITH PARTICULAR EMPHASIS ON ARKANSAS. BECAUSE MOST WATER PROJECTS ARE FINANCED WITH DEBT IT CONCENTRATES ON ALTERNATIVES WHICH CAN REDUCE THE COST OF DEBT AND/OR RESULT IN MORE EFFICIENT USE OF EXISTING FACILITIES. SPECIFIC STATE OPTIONS CONSIDERED INCLUDE GRANTS, LOANS, REVOLVING FUNDS, DEBT GUARANTEE, BOND INSURANCE, BOND BANK, STATUTORY AND REGULATORY REFORM OF WATER LAWS AND WATER-RELATED INSTITUTIONS, AND PLANNING AND TECHNICAL ASSISTANCE. SPECIFIC LOCAL OPTIONS INCLUDE USE OF TAXES AND BONDS INCLUDING CREATIVE FINANCING, USER FEES, LEASING, PRIVITIZATION, AND FINANCIAL PLANNING.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13536

PUBLICATION DATE: SEP 85

TITLE: ECONOMIC IMPACT ANALYSIS OF EFFLUENT LIMITATIONS GUIDELINES AND STANDARDS FOR THE PESTICIDE CHEMICALS INDUSTRY.

DESCRIPTOR: CHEMICALS; \*CHEMICAL INDUSTRY; \*ECONOMICS; EFFLUENTS; \*EFFLUENT GUIDELINES; GUIDELINES; \*PESTICIDES; \*STANDARDS; INDUSTRY; USEPA; \*WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 161P. PRICE CODE: PC E10/MF A01. ORDER NO.: PB86-161767/WEP

ABSTRACT: THE U.S. ENVIRONMENTAL PROTECTION AGENCY ISSUED FINAL BAT/PSES/NSPS/PSNS EFFLUENT GUIDELINES AND STANDARDS FOR THE PESTICIDE CHEMICALS INDUSTRY IN SEPTEMBER 1985. THIS REPORT ESTIMATES THE ECONOMIC IMPACT OF WATER POLLUTION CONTROL EXPENDITURES IN TERMS OF PRICE AND PROFITABILITY CHANGES, EFFECTS ON PLANT AND LINE CLOSURES, EMPLOYMENT EFFECTS AND OTHER SECONDARY EFFECTS. A NET PRESENT VALUE METHODOLOGY WAS DEVELOPED TO ESTIMATE THE ECONOMIC IMPACT OF THESE REGULATIONS ON THE PESTICIDE ACTIVE INGREDIENT MANUFACTURERS, METALLO-ORGANIC MANUFACTURERS AND THE PESTICIDE FORMULATOR/PACKAGERS SUBCATEGORIES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#13537

PUBLICATION DATE: FEB 86

TITLE: WASTEWATER AND WATER TREATMENT: ANION EXCHANGE. 1977-FEB 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: \*ANALYTICAL TECHNIQUES; \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*ANION EXCHANGE; \*ANION ANALYSIS; \*OPERATIONS (WASTEWATER TREATMENT); \*OPERATIONS (WATER TREATMENT); \*WASTEWATER TREATMENT; \*WATER TREATMENT

DESCRIPTIVE NOTE: 124P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-058297/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE THEORY, METHODS, AND APPLICATIONS OF ANION EXCHANGE IN THE TREATMENT OF POTABLE WATER AND WASTEWATER. TOPICS INCLUDE ANION EXCHANGE RESINS AND MEMBRANES, DESALINATION TECHNIQUES, AND PROCESS EVALUATIONS. METHODS FOR ANION ANALYSIS USING CHROMATOGRAPHIC TECHNIQUES ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 122 CITATIONS, 16 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW#12536

PUBLICATION DATE: FEB 86

TITLE: WATER POLLUTION: UPTAKE OF HEAVY METALS BY SHELLFISH AND MARINE PLANTS. 1974-FEB 1986 (CITATIONS FROM OCEANIC ABSTRACTS).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*ECOLOGY; \*HEAVY METALS; \*MARINE BIOLOGY; \*METALS; \*PLANTS; \*SHELLFISH; \*WATER POLLUTION; ZOOLOGY

DESCRIPTIVE NOTE: 190P. PRICE CODE: PC N01/MF N01. ORDER



NO.: PB86-858719/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING HEAVY METALS CONTAMINATION OF SHELLFISH AND MARINE PLANTS. TOXICITY LEVELS AND THE LONG TERM EFFECTS ON THE ECOLOGY OF THE MARINE ENVIRONMENT ARE DISCUSSED. THE GROWTH RATE OF MARINE LIFE AS A FUNCTION OF METAL CONCENTRATION, AND THE LONG TERM EFFECTS ON THE FOOD CHAIN ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 269 CITATIONS, 13 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW813539

PUBLICATION DATE: FEB 86

TITLE: DDT, DDD, AND DDE PESTICIDES. 1977-FEB 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: \*ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; \*DDD; \*DDT; \*DDE; \*HEALTH; \*ENVIRONMENTAL EFFECTS; \*PESTICIDES; POLLUTION; \*POLLUTION CONTROL; \*SAFETY

DESCRIPTIVE NOTE: 216P. PRICE CODE: PC N81/MF N81. ORDER NO.: PB86-858385/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING CONTAMINATION BY AND POLLUTION EFFECTS OF THE PESTICIDES DDD, DDT, AND DDE. TOPICS INCLUDE SITE STUDIES IN SPECIFIC AREAS, ACCUMULATION IN SOILS AND ORGANISMS, AND LABORATORY AND FIELD INVESTIGATIONS REGARDING EFFECTS ON PLANTS AND ANIMALS. SOME ATTENTION IS GIVEN TO OCCUPATIONAL EXPOSURE STUDIES AND TO MODELING THE FATE AND TRANSPORT OF THESE COMPOUNDS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 277 CITATIONS, 15 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW813547

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CARBON BLACK.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CARBON BLACK; \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 44P. PRICE CODE: PC A83/MF A81. ORDER NO.: PB86-152848/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF

THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW813541

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TITANIUM DIOXIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TITANIUM DIOXIDE; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 35P. PRICE CODE: PC A83/MF A81. ORDER NO.: PB86-155874/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW813542

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ASPHALT.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*ASPHALT; \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 44P. PRICE CODE: PC A83/MF A81. ORDER NO.: PB86-155882/WEP

67

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013543

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: MERCAPTANS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*MERCAPTANS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155090/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013544

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: HYDRAZINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*HYDRAZINE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 48P. PRICE CODE: PC A03/MF A01. ORDER

NO.: PB86-155108/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013545

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: PENTACHLOROPHENOL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*PENTACHLOROPHENOL; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 45P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155116/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013546

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: XYLENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES; \*XYLENE

DESCRIPTIVE NOTE: 51P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-155124/WEP

#### SUBSTANCES

DESCRIPTIVE NOTE: 40P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155140/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013547

IRIS ACCESSION NUMBER: EW013549

PUBLICATION DATE: JUL 85

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: STYRENE.

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: VINYL ACETATE.

PERSONAL AUTHOR: SANTODONATO, J.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*STYRENE; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES

DESCRIPTOR: \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC SUBSTANCES; \*VINYL ACETATE

DESCRIPTIVE NOTE: 68P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-155132/WEP

DESCRIPTIVE NOTE: 45P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155157/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5205 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013548

IRIS ACCESSION NUMBER: EW013550

PUBLICATION DATE: JUL 85

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CADMIUM.

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ZINC CHROMATE.

PERSONAL AUTHOR: SANTODONATO, J.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: \*CADMIUM; \*CHEMICALS; \*CARCINOGENS; \*HAZARDOUS MATERIALS; \*OCCUPATIONAL HEALTH; \*RISK ASSESSMENT; \*TOXIC

AUTHOR INDEX

123



ADAMS, JEFFREY O.  
EW #13 339

ADAMS, THOMAS R.  
EW #13 373

ALDERMAN, JOSEPH W.  
EW #13 314

AUGUSTINE, JOE  
EW #13 363

BARCELONA, M. J.  
EW #13 469

BEACH, GARY C.  
EW #13 362

BEATTY, CLARENCE  
EW #13 326

BEAULIEU, D. L.  
EW #13 484

BEAULIEU, H. J.  
EW #13 484

BECKER, J. M.  
EW #13 524

BERG, SUSAN  
EW #13 349

BLAIR, JAMES E.  
EW #13 335

BOGOSIAN, BENJAMIN L.  
EW #13 327

BRANDES, R.  
EW #13 533

BRANNAKA, LARRY K.  
EW #13 318

BRYDEN, GREGG W.  
EW #13 386

BURTON, CYNTHIA  
EW #13 388

CAHN, D. C.  
EW #13 478

CASLER, JANE  
EW #13 581

CHEREMISINOFF, PAUL M.  
EW #13 343

CLARK, DOUGLAS W.  
EW #13 587

COHEN-ROSENTHAL, EDWARD  
EW #13 388

COHEN, A.  
EW #13 471

COLLINS, RUSSELL D.  
EW #13 393

CONNER, DOUGLAS A.  
EW #13 356

COOPER, COLEEN R.  
EW #13 324

COURTNEY, LAURENCE S.  
EW #13 362

CRANE, GREGORY  
EW #13 373

DEESE, PATRICIA L.  
EW #13 491

DELBELLO, ALFRED B.  
EW #13 333

DITTMER, ERIC R.  
EW #13 375

DIXON, D. A.  
EW #13 484

FARRAH, SAMUEL R.  
EW #13 495

GAGLIARDO, MICHAEL A.  
EW #13 374

GELDREICH, E. E.  
EW #13 464

GIANESSI, L. P.  
EW #13 462  
EW #13 463

GILLES, THOMAS P.  
EW #13 372

GRAVENGAARD, GABRIELLE B.  
EW #13 316

GUTER, GERALD A.  
EW #13 342

GUTHRIE, MARILYN  
EW #13 389

HARRISON, SAMUEL S.  
EW #13 387

HARTLEY, JOHN  
EW #13 322  
EW #13 332

HARWIG, ERNEST  
EW #13 348

HEM, JOHN D.  
EW #13 588

HEMOND, H. F.  
EW #13 318

HOBSON, TIM  
EW #13 365

HOOVER, HERBERT  
EW #13 583

HORNBY, W. J.  
EW #13 385

HORNER, R. R.  
EW #13 478

HUBER, W. C.  
EW #13 479

JACKSON, W. L.  
EW #13 387

JENSEN, JAMES N.  
EW #13 358

JOHNSON, J. DONALD  
EW #13 358

JOHNSON, STEVEN B.  
EW #13 312

JONES, BRUCE E.  
EW #13 498

KEEFE, LAWRENCE R.  
EW #13 318

KELLY, RICHARD L. W.  
EW #13 354

KENNEDY, HAROLD  
EW #13 334

KIRKPATRICK, DONALD L.  
EW #13 377

KLEINHENC, NED J.  
EW #13 497

KNOCKE, WILLIAM R.  
EW #13 361

LANDICK, ROBERT W.  
EW #13 388

LANIER, ROBIN  
EW #13 381

LAUCH, RICHARD P.  
EW #13 342

LEHR, JAY H.  
EW #13 382

LOPP, DENNY  
EW #13 331

LOVEJOY, DAVID R.  
EW #13 355

LUSS, GERALD  
EW #13 336

MAGNER, J. A.  
EW #13 315

MARSHALL, H. G.  
EW #13 534

MATASCI, RAYMOND M.  
EW #13 494

MCGREW, JAY L.  
EW #13 496

MCKINLEY, VICKY L.  
EW #13 493

MCNUTT, JAMES L.  
EW #13 341

MILLER RICHARD  
EW #13 357

MILLS, W. B.  
EW #13 486  
EW #13 487  
EW #13 532

MOLTON, P. M.  
EW #13 498

MOORES, C. W.  
EW #13 345

MOSS, C. E.  
EW #13 386

MUNZ, KENNETH J.  
EW #13 355

NAGEL, WILLIAM  
EW #13 344

NAKAMOTE, DENNIS B.  
EW #13 383

NEAL M. W.  
EW #13 524

NEUHAUSER, E. F. EW 013 485	EW 013 423 EW 013 424 EW 013 425 EW 013 426 EW 013 427 EW 013 428 EW 013 429 EW 013 430 EW 013 431 EW 013 432 EW 013 433 EW 013 434 EW 013 435 EW 013 436 EW 013 437 EW 013 438 EW 013 439 EW 013 440 EW 013 441 EW 013 442 EW 013 443 EW 013 444 EW 013 445 EW 013 446 EW 013 447 EW 013 448 EW 013 449 EW 013 450 EW 013 451 EW 013 452 EW 013 453 EW 013 454 EW 013 455 EW 013 456 EW 013 457 EW 013 458 EW 013 529 EW 013 540 EW 013 541 EW 013 542 EW 013 543 EW 013 544 EW 013 545 EW 013 546 EW 013 547 EW 013 548 EW 013 549 EW 013 550	EW 013 505	WINTISH, J. PETER EW 013 338
NORMAN, WILLIAM R. EW 013 384		SHUMARD, DENNIS EW 013 334	WISEMAN, ROBERT D. EW 013 371
NORWOOD, DANIEL L. EW 013 360		SIEGRIST, ROBERT L. EW 013 492	ZIEGLER, J. A. EW 013 535
NOWACK, KENNETH M. EW 013 381		SILVER, ROBERT M. EW 013 352	
NYER, EVAN K. EW 013 328		SINISGALLI, PAUL D. EW 013 341	
OTIS, RICHARD J. EW 013 488		SMITH, GARY EW 013 497	
PESKIN, H. M. EW 013 462 EW 013 453		SMITH, M. L. EW 013 370	
PETSONK, ANDREW M. EW 013 317		SMITH, RONALD A. EW 013 340	
PLOOR, MARY L. EW 013 324		SOBKOWICZ, A. M. EW 013 345	
PURIN, REGINA EW 013 504		STEARNS, JAMES A. EW 013 356	
RADIMSKY, J. EW 013 391		STEVENS, WAYNE EW 013 348	
RAMSEY, STEPHEN EW 013 501		STEWART, F. A. EW 013 321	
REILLY, THOMAS C. EW 013 376		SUTTON, P. M. EW 013 346	
REINHARD, MARTIN EW 013 359		SWEETNAM, SHERRY EW 013 379	
RITCHEY, JOSEPH D. EW 013 313		TAYLOR, J. S. EW 013 380	
SANTODONATO, J. EW 013 406 EW 013 407 EW 013 408 EW 013 409 EW 013 410 EW 013 411 EW 013 412 EW 013 413 EW 013 414 EW 013 415 EW 013 416 EW 013 417 EW 013 418 EW 013 419 EW 013 420 EW 013 421 EW 013 422	SCHAEFER, MARK E. EW 013 310	TROOJEN, TODD P. EW 013 311	VENERON, KEN EW 013 364
	SCHALLA, RONALD EW 013 308	VESTAL, J. ROBBIE EW 013 493	WEBER, WALTER J., JR. EW 013 498
	SCHNEIER, CRAIG ERIC EW 013 325 EW 013 378	WESTERHOFF, GARRET P. EW 013 357	WHITE, WILLIAM E. EW 013 329
	SHAH, A. EW 013 391	WILLIAMS, WALTER EW 013 340	
	SHERRY, SUSAN EW 013 504		

SUBJECT INDEX

126

*ACCIDENT PREVENTION	(3)	EW013363	EW013386	EW013401					
*ACETONITRILE	(1)	EW013406							
*ACROLEIN	(1)	EW013407							
*ACRYLONITRILE	(1)	EW013408							
*ACTIVATED CARBON	(2)	EW013357	EW013498						
*ACTIVATED SLUDGE	(1)	EW013498							
*ACTIVATED SLUDGE PROCESS	(1)	EW013365							
*AEROBIC DIGESTION	(1)	EW013495							
AEROBIC TREATMENT	(1)	EW013345							
*AGRICULTURE	(1)	EW013503							
*AIR FORCE	(1)	EW013393							
*AIR POLLUTION	(2)	EW013384	EW013472						
*ALABAMA	(1)	EW013503							
*ALARM SYSTEMS	(1)	EW013364							
*ALLYL CHLORIDE	(1)	EW013455							
*ALTERNATIVE TECHNOLOGY	(4)	EW013319	EW013391	EW013488	EW013490				
*AMITROLE	(1)	EW013409							
*ANAEROBIC TREATMENT	(1)	EW013345							
*ANALYTICAL TECHNIQUES	(13)	EW013317	EW013360	EW013375	EW013384	EW013402	EW013468	EW013469	
		EW013486	EW013487	EW013507	EW013508	EW013532	EW013537		
*ANILINE	(1)	EW013410							
*ANION ANALYSIS	(1)	EW013537							
*ANION EXCHANGE	(1)	EW013537							
*ANNOTATED BIBLIOGRAPHIES	(29)	EW013382	EW013383	EW013384	EW013389	EW013390	EW013392	EW013400	
		EW013401	EW013402	EW013403	EW013459	EW013460	EW013461	EW013466	EW013467
		EW013468	EW013472	EW013473	EW013479	EW013480	EW013481	EW013482	EW013483
		EW013485	EW013522	EW013537	EW013538	EW013539	EW013553		
*AQUATIC WEEDS	(1)	EW013382							
ARKANSAS	(1)	EW013535							
*ARSENIC	(1)	EW013395							
*ARSINE	(1)	EW013411							
*ASBESTOS	(1)	EW013383							
*ASPHALT	(1)	EW013542							
*ATLANTIC COAST	(1)	EW013534							

*ATTITUDES	(1)	EW013503						
*AUDIOVISUAL AIDS	(2)	EW013301	EW013327					
*AZIRIDINE	(1)	EW013412						
*BACKHOES	(1)	EW013350						
BACTERIA	(1)	EW013375						
BATCH REACTORS	(1)	EW013319						
*BAT DATA TERMINAL	(1)	EW013317						
*BENZENE	(1)	EW013414						
*BENZO(A)PYRENE	(1)	EW013526						
*BENZYL CHLORIDE	(1)	EW013413						
*BIBLIOGRAPHIES	(2)	EW013459	EW013499					
BIBLIOGRAPHIES	(28)	EW013382	EW013383	EW013384	EW013389	EW013390	EW013392	EW013400
		EW013401	EW013402	EW013403	EW013460	EW013461	EW013466	EW013468
		EW013472	EW013473	EW013479	EW013480	EW013481	EW013482	EW013483
		EW013522	EW013537	EW013538	EW013539	EW013553		
*BILLING SYSTEMS	(1)	EW013338						
*BIOLOGICAL CONTROL	(1)	EW013302						
*BIOLOGICAL EFFECTS	(1)	EW013401						
*BIOLOGICAL IMPACTS	(1)	EW013466						
*BIOLOGICAL INDICATORS	(2)	EW013375	EW013405					
*BIOLOGICAL SYSTEMS	(1)	EW013335						
*BIOLOGICAL TREATMENT	(3)	EW013329	EW013335	EW013493				
*BIOLOGY	(1)	EW013499						
BIOLOGY	(1)	EW013405						
*BIOTECHNOLOGY	(2)	EW013329	EW013346					
*BOTANY	(1)	EW013534						
*BULLETINS	(2)	EW013530	EW013531					
*BURNOUT	(1)	EW013381						
*CADMIUM	(1)	EW013548						
*CALIFORNIA	(1)	EW013342						
*CANCER	(2)	EW013530	EW013531					
*CANCERGRAM	(2)	EW013530	EW013531					
*CARBARYL	(1)	EW013415						
*CARBON BLACK	(1)	EW013540						

*CARBON DISULFIDE	(1)	EW013416						
*CARBON REACTIVATION	(1)	EW013339						
*CARBON TETRACHLORIDE	(1)	EW013417						
*CARCINOGENESIS	(1)	EW013530						
*CARCINOGENS	(12)	EW013529	EW013540	EW013541	EW013542	EW013543	EW013544	EW013545
		EW013546	EW013547	EW013548	EW013549	EW013550		
*CATCH BASINS	(1)	EW013372						
*CERCLA	(1)	EW013501						
*CHEMICAL PROPERTIES	(1)	EW013508						
*CHEMICAL ANALYSIS	(1)	EW013384						
*CHEMICAL CHARACTERISTICS	(1)	EW013499						
*CHEMICAL INDUSTRY	(1)	EW013536						
*CHEMICAL REACTIONS	(1)	EW013508						
CHEMICAL REACTIONS	(1)	EW013400						
*CHEMICALS	(75)	EW013395	EW013396	EW013397	EW013398	EW013399	EW013400	EW013401
		EW013407	EW013408	EW013409	EW013410	EW013411	EW013412	EW013413
		EW013415	EW013416	EW013417	EW013418	EW013419	EW013420	EW013421
		EW013423	EW013424	EW013425	EW013426	EW013427	EW013428	EW013429
		EW013431	EW013432	EW013433	EW013434	EW013435	EW013436	EW013437
		EW013439	EW013440	EW013441	EW013442	EW013443	EW013444	EW013445
		EW013447	EW013448	EW013449	EW013450	EW013451	EW013452	EW013453
		EW013455	EW013456	EW013457	EW013458	EW013482	EW013487	EW013453
		EW013532	EW013540	EW013541	EW013542	EW013543	EW013544	EW013508
		EW013547	EW013548	EW013549	EW013550			EW013529
								EW013546
CHEMICALS	(2)	EW013405	EW013536					
*CHEMISTRY	(2)	EW013358	EW013508					
*CHLORDANE	(1)	EW013527						
*CHLORINATION	(1)	EW013344						
*CHLORINE	(2)	EW013358	EW013389					
*CHLORINE DIOXIDE	(1)	EW013389						
*CHLORINE EJECTORS	(1)	EW013344						
*CHLOROFORM	(1)	EW013418						
*CHROMIC ACID	(1)	EW013419						
*CLEANING	(1)	EW013336						
*CLEANING EQUIPMENT	(1)	EW013372						
*CLEAN-UP	(2)	EW013460	EW013461					

*COBALT	(1)	EWØ13481							
*CO-DISPOSAL	(1)	EWØ13369							
*COLORADO	(2)	EWØ13322	EWØ13332						
*COMMUNICATION	(1)	EWØ13471							
*COMMUNITY PROBLEMS	(1)	EWØ13505							
*COMPLIANCE	(2)	EWØ13501	EWØ13533						
*COMPOSTING	(2)	EWØ13356	EWØ13493						
*COMPUTER APPLICATIONS	(2)	EWØ13318	EWØ13330						
*COMPUTERS	(2)	EWØ13316	EWØ13310						
*CONFERENCE PROCEEDINGS	(2)	EWØ13500	EWØ13511						
*CONSTRUCTION	(5)	EWØ13303	EWØ13340	EWØ13350	EWØ13356	EWØ13480			
CONSTRUCTION	(1)	EWØ13374							
*CONTAMINATION	(4)	EWØ13302	EWØ13307	EWØ13326	EWØ13328				
CONTAMINATION	(1)	EWØ13358							
*COST	(1)	EWØ13301							
*COSTS	(24)	EWØ13303	EWØ13304	EWØ13310	EWØ13326	EWØ13333	EWØ13335	EWØ13339	
		EWØ13340	EWØ13341	EWØ13345	EWØ13348	EWØ13349	EWØ13354	EWØ13355	EWØ13356
		EWØ13364	EWØ13372	EWØ13388	EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13480
		EWØ13491							
COSTS	(2)	EWØ13376	EWØ13504						
*CREOSOTE	(1)	EWØ13420							
*CRESOLS	(1)	EWØ13421							
*CROSS-CONNECTIONS	(3)	EWØ13322	EWØ13331	EWØ13332					
*DATA ACQUISITION SYSTEMS	(1)	EWØ13316							
*DATABASES	(2)	EWØ13462	EWØ13463						
*DATA COLLECTION	(3)	EWØ13316	EWØ13317	EWØ13310					
*DDD	(1)	EWØ13539							
*DDE	(1)	EWØ13539							
*DDT	(1)	EWØ13539							
*DEGRADATION	(1)	EWØ13329							
*DEMONSTRATION PLANTS	(1)	EWØ13342							
*DESALINATION	(5)	EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13478			
*DESIGN	(17)	EWØ13305	EWØ13328	EWØ13341	EWØ13344	EWØ13346	EWØ13348	EWØ13356	
		EWØ13380	EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13478	EWØ13480	EWØ13489
		EWØ13492	EWØ13494						

DESIGN	(1)	EWØ13374							
*DETECTION	(1)	EWØ13472							
*DETENTION PONDS	(1)	EWØ13352							
*DEVELOPMENT	(1)	EWØ13511							
*DIAZINON	(1)	EWØ13422							
*DICHLORVOS	(1)	EWØ13423							
*DIETHYL SULFATE	(1)	EWØ13424							
*DIMETHYLFORMAMIDE	(1)	EWØ13425							
*DIPHENYL	(1)	EWØ13426							
*DISCLOSURE ORDINANCES	(1)	EWØ135Ø4							
*DISCOUNTS	(1)	EWØ13371							
*DISINFECTION	(3)	EWØ13344	EWØ13358	EWØ13389					
*DRINKING WATER	(7)	EWØ13357	EWØ13358	EWØ13359	EWØ1335Ø	EWØ13361	EWØ134Ø4	EWØ13524	
*DRINKING WATER CRITERIA	(1)	EWØ13524							
*ECOLOGY	(1)	EWØ13538							
*ECONOMICS	(4)	EWØ13376	EWØ13535	EWØ13536	EWØ13551				
*EDUCATION	(1)	EWØ13551							
*EDUCATION PROGRAMS	(1)	EWØ13331							
*EFFLUENT GUIDELINES	(1)	EWØ13536							
EFFLUENTS	(1)	EWØ13536							
*ENERGY	(1)	EWØ1349Ø							
*ENERGY CONSERVATION	(4)	EWØ13474	EWØ13475	EWØ13476	EWØ1349Ø				
*ENERGY PRODUCTION	(2)	EWØ1337Ø	EWØ13376						
*ENERGY RECOVERY	(1)	EWØ13497							
*ENFORCEMENT	(1)	EWØ135Ø1							
ENFORCEMENT	(1)	EWØ135Ø4							
*ENTERIC PATHOGENS	(1)	EWØ13495							
*ENVIRONMENT	(6)	EWØ13459	EWØ1346Ø	EWØ13461	EWØ13481	EWØ135Ø4	EWØ1353Ø		
ENVIRONMENT	(3)	EWØ13393	EWØ13466	EWØ13472					
*ENVIRONMENTAL ASSESSMENT	(1)	EWØ13393							
*ENVIRONMENTAL EFFECTS	(2)	EWØ134Ø2	EWØ13539						
*ENVIRONMENTAL HEALTH	(1)	EWØ13484							



*ENVIRONMENTAL IMPACT	(2)	EWØ134Ø5	EWØ13466					
*ENVIRONMENTAL IMPACTS	(5)	EWØ13459	EWØ1346Ø	EWØ13481	EWØ13482	EWØ13483		
*ENZYMES	(1)	EWØ13329						
*EPICHLOROHYDRIN	(1)	EWØ13427						
*EQUIPMENT	(25)	EWØ133Ø6	EWØ133Ø7	EWØ133Ø8	EWØ133Ø9	EWØ13311	EWØ13312	EWØ13313
		EWØ13314	EWØ13317	EWØ1331Ø	EWØ13323	EWØ13327	EWØ13335	EWØ13344
		EWØ13356	EWØ13372	EWØ13386	EWØ13392	EWØ13461	EWØ13467	EWØ13473
		EWØ13497	EWØ13522					EWØ13476
*EROSION CONTROL	(1)	EWØ135Ø3						
*ETHYLBENZENE	(1)	EWØ13396						
*ETHYLENE DIBROMIDE	(1)	EWØ13428						
*ETHYLENE GLYCOL ETHERS	(1)	EWØ13429						
*ETHYLENE OXIDE	(1)	EWØ1343Ø						
*EUTROPHIC LAKES	(1)	EWØ1339Ø						
*EVALUATION	(2)	EWØ13377	EWØ13378					
*EYEWEAR	(1)	EWØ13386						
*FACILITIES	(22)	EWØ1332Ø	EWØ13333	EWØ13335	EWØ13341	EWØ13342	EWØ13348	EWØ13349
		EWØ13354	EWØ13357	EWØ13359	EWØ13362	EWØ13369	EWØ1337Ø	EWØ13374
		EWØ13465	EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13478	EWØ13494
FACILITIES	(1)	EWØ13319						
*FARMS	(1)	EWØ135Ø3						
*FECAL COLIFORM	(1)	EWØ13375						
*FEDERAL ROLE	(1)	EWØ13383						
*FIELD STUDIES	(2)	EWØ13317	EWØ13468					
*FIELD TERMINALS	(1)	EWØ13317						
*FIELD TESTS	(1)	EWØ13469						
*FILTRATION	(1)	EWØ13359						
FILTRATION	(1)	EWØ13319						
*FINANCING	(2)	EWØ13333	EWØ13535					
*FLOW REGULATORS	(1)	EWØ13373						
*FLUID FLOW	(1)	EWØ133Ø9						
*FLUIDIZED BED COMBUSTORS	(1)	EWØ13497						
*FOOD PROCESSING	(1)	EWØ13392						
*GENERAL MOTORS	(1)	EWØ1334Ø						
*GEOCHEMISTRY	(1)	EWØ135Ø8						

*GEO FLOWMETER	(1)	EWØ133Ø9							
*GEOLOGY	(1)	EWØ13317							
*GEORGIA	(1)	EWØ13362							
*GLYCIDYL ETHERS	(1)	EWØ13433							
*GOVERNMENT ROLE	(1)	EWØ135Ø5							
*GRANULAR ACTIVATED CARBON	(2)	EWØ13339	EWØ13357						
*GRAVITY SEPARATORS	(1)	EWØ1332Ø							
*GRAVITY SEWERS	(1)	EWØ13488							
*GREAT LAKES	(1)	EWØ13499							
*GROUNDWATER	(23)	EWØ133Ø2	EWØ133Ø3	EWØ133Ø4	EWØ133Ø5	EWØ133Ø6	EWØ133Ø7	EWØ133Ø8	
		EWØ133Ø9	EWØ1331Ø	EWØ13311	EWØ13312	EWØ13313	EWØ13314	EWØ13315	EWØ13316
		EWØ13317	EWØ13318	EWØ13326	EWØ13328	EWØ1348Ø	EWØ13486	EWØ13487	EWØ13532
*GROUP DYNAMICS	(1)	EWØ13324							
*GUIDANCE MANUALS	(1)	EWØ13465							
*GUIDELINES	(4)	EWØ13379	EWØ13393	EWØ13471	EWØ13489				
GUIDELINES	(1)	EWØ13536							
*HALOGENATED ORGANIC COMPOUNDS	(1)	EWØ13482							
*HAZARDOUS MATERIALS	(16)	EWØ135Ø1	EWØ135Ø4	EWØ135Ø5	EWØ13529	EWØ13533	EWØ1354Ø	EWØ13541	
		EWØ13542	EWØ13543	EWØ13544	EWØ13545	EWØ13546	EWØ13547	EWØ13548	EWØ13549
		EWØ1355Ø							
*HAZARDOUS WASTES	(4)	EWØ13391	EWØ13465	EWØ13523	EWØ13551				
HAZARDOUS WASTES	(1)	EWØ135Ø1							
*HAZARDOUS WASTE SITES	(1)	EWØ135Ø1							
*HEALTH	(61)	EWØ133Ø1	EWØ133Ø3	EWØ13395	EWØ13396	EWØ13398	EWØ13399	EWØ134Ø1	
		EWØ134Ø6	EWØ134Ø7	EWØ134Ø8	EWØ134Ø9	EWØ1341Ø	EWØ13411	EWØ13412	EWØ13413
		EWØ13414	EWØ13415	EWØ13416	EWØ13417	EWØ13418	EWØ13419	EWØ13421	EWØ13422
		EWØ13423	EWØ13424	EWØ13425	EWØ13426	EWØ13427	EWØ13428	EWØ13429	EWØ1343Ø
		EWØ13431	EWØ13432	EWØ13433	EWØ13434	EWØ13435	EWØ13436	EWØ13437	EWØ13438
		EWØ13439	EWØ1344Ø	EWØ13441	EWØ13442	EWØ13443	EWØ13444	EWØ13445	EWØ13446
		EWØ13447	EWØ13448	EWØ13449	EWØ1345Ø	EWØ13451	EWØ13452	EWØ13453	EWØ13454
		EWØ13455	EWØ13456	EWØ13457	EWØ13458	EWØ13471	EWØ13539		
HEALTH	(1)	EWØ13397							
*HEALTH ASSESSMENT AUDIT	(1)	EWØ133Ø1							
*HEALTH EFFECTS	(65)	EWØ13395	EWØ13396	EWØ13397	EWØ13398	EWØ13399	EWØ134Ø1	EWØ134Ø6	
		EWØ134Ø7	EWØ134Ø8	EWØ1341Ø	EWØ13411	EWØ13412	EWØ13413	EWØ13414	
		EWØ13415	EWØ13416	EWØ13417	EWØ13418	EWØ13419	EWØ1342Ø	EWØ13421	EWØ13422
		EWØ13423	EWØ13424	EWØ13425	EWØ13426	EWØ13427	EWØ13428	EWØ13429	EWØ1343Ø
		EWØ13431	EWØ13432	EWØ13433	EWØ13434	EWØ13435	EWØ13436	EWØ13437	EWØ13438
		EWØ13439	EWØ1344Ø	EWØ13441	EWØ13442	EWØ13443	EWØ13444	EWØ13445	EWØ13446
		EWØ13447	EWØ13448	EWØ13449	EWØ1345Ø	EWØ13451	EWØ13452	EWØ13453	EWØ13454

	EWØ13455 EWØ13526	EWØ13456 EWØ13527	EWØ13457	EWØ13458	EWØ13482	EWØ13483	EWØ13485	EWØ13524
*HEALTH RISKS	(1)	EWØ13471						
*HEAT TREATMENT	(1)	EWØ13489						
*HEAVY METALS	(1)	EWØ13538						
HEAVY METALS	(1)	EWØ13488						
*HERBICIDES	(1)	EWØ13382						
*HEXACHLOROETHANE	(1)	EWØ13434						
*HIGH TECHNOLOGY	(1)	EWØ13585						
*HOMES	(1)	EWØ13492						
*HUMAN RELATIONS	(1)	EWØ13324						
*HYDRAULICS	(1)	EWØ13553						
*HYDRAZINE	(1)	EWØ13544						
*HYDROGEOLOGY	(1)	EWØ13317						
*HYDROLOGY	(2)	EWØ13488	EWØ13499					
*HYDROQUINONE	(1)	EWØ13435						
*IDENTIFICATION KEYS	(1)	EWØ13534						
*INCINERATION	(2)	EWØ13369	EWØ13497					
*INCINERATORS	(1)	EWØ13497						
*INDUSTRIAL USE	(1)	EWØ13348						
*INDUSTRIAL WASTES	(7)	EWØ13321	EWØ13335	EWØ13345	EWØ13346	EWØ13483	EWØ13467	EWØ13551
*INDUSTRY	(5)	EWØ13341	EWØ13383	EWØ13392	EWØ13459	EWØ13461		
INDUSTRY	(2)	EWØ13482	EWØ13536					
*INFORMATION DISSEMINATION	(2)	EWØ13531	EWØ13551					
*INFORMATION RESOURCES	(2)	EWØ13538	EWØ13531					
*INFORMATION SYSTEMS	(1)	EWØ13584						
*INNOVATIONS	(1)	EWØ13391						
*INSECTICIDES	(1)	EWØ13482						
*INSITUFORM	(1)	EWØ13355						
*INSTRUCTION	(1)	EWØ13588						
*INSTRUCTIONAL MATERIALS	(4)	EWØ13381	EWØ13484	EWØ13587	EWØ13534			
*INSTRUMENTATION	(7)	EWØ13389	EWØ13318	EWØ13311	EWØ13312	EWØ13313	EWØ13314	EWØ13318
*INSTRUMENTS	(1)	EWØ13384						



*INTERACTIVE VIDEODISCS	(1)	EWØ133Ø1							
INTERCHANNEL CLARIFICATION	(1)	EWØ13319							
*INVENTORIES	(2)	EWØ13462	EWØ13463						
*IN-VESSEL COMPOSTING	(1)	EWØ13356							
*ION EXCHANGE	(1)	EWØ134ØØ							
*ION EXCHANGE RESINS	(1)	EWØ134ØØ							
*ISOPROPYL ALCOHOL	(1)	EWØ13431							
*JOINT LEAKS	(1)	EWØ13351							
LABOR	(1)	EWØ1338Ø							
*LABORATORY EQUIPMENT	(1)	EWØ135Ø7							
*LABORATORY PROCEDURES	(6)	EWØ1336Ø	EWØ13384	EWØ13468	EWØ13469	EWØ135Ø7	EWØ135Ø8		
LABORATORY PROCEDURES	(1)	EWØ13375							
LAGOONS	(1)	EWØ13319							
*LAKES	(3)	EWØ1339Ø	EWØ13464	EWØ13499					
*LAND APPLICATION	(2)	EWØ134Ø5	EWØ1347Ø						
*LANDFILLS	(1)	EWØ13326							
LAND USE	(1)	EWØ13511							
*LASER RADIATION	(1)	EWØ134Ø1							
*LASERS	(1)	EWØ134Ø1							
*LEACHATE	(1)	EWØ13491							
*LEACHATE DETECTION	(1)	EWØ13491							
*LEAD	(1)	EWØ13436							
*LEAK DETECTION	(2)	EWØ13351	EWØ13375						
*LEGISLATION	(1)	EWØ135Ø1							
*LIABILITIES	(1)	EWØ13323							
*LINDANE	(1)	EWØ13437							
*LOCAL GOVERNMENT	(1)	EWØ135Ø5							
*LOCAL ORDINANCES	(1)	EWØ135Ø4							
*LOCAL ROLE	(1)	EWØ13535							
*MAINTENANCE	(7)	EWØ13327	EWØ13336	EWØ1334Ø	EWØ13354	EWØ13355	EWØ13373	EWØ13489	
MAINTENANCE	(1)	EWØ13372							
*MALATHION	(2)	EWØ134Ø2	EWØ13438						

*MANAGEMENT	(15)	EWØ13324	EWØ13325	EWØ13333	EWØ13357	EWØ13362	EWØ13364	EWØ13365	∞ 9
		EWØ1337Ø	EWØ1338Ø	EWØ13464	EWØ13472	EWØ13479	EWØ135Ø1	EWØ135Ø5	
MANAGEMENT	(1)	EWØ135Ø4							
*MANHOLE ENTRY	(1)	EWØ13363							
*MANHOLES	(1)	EWØ13363							
*MANUALS	(3)	EWØ13486	EWØ13487	EWØ13534					
*MARINE BIOLOGY	(1)	EWØ13538							
MARYLAND	(1)	EWØ13374							
*MATERIALS PRODUCTION	(1)	EWØ133Ø1							
*MEETINGS	(1)	EWØ13324							
*MEGALUG	(1)	EWØ13334							
*MEMBRANES	(3)	EWØ13336	EWØ13341	EWØ13359					
*MERCAPTANS	(1)	EWØ13543							
*MERCURY	(1)	EWØ13397							
*METALS	(5)	EWØ13321	EWØ13346	EWØ134Ø3	EWØ1344Ø	EWØ13538			
*METHANE	(1)	EWØ133Ø7							
*METHYLENE CHLORIDE	(1)	EWØ13439							
*MICROBES	(1)	EWØ13329							
*MICROBIOLOGY	(3)	EWØ13329	EWØ13493	EWØ135Ø7					
*MICROCOMPUTERS	(1)	EWØ13318							
*MINING	(2)	EWØ13459	EWØ1348Ø						
*MINNESOTA	(1)	EWØ13369							
*MISSOURI	(1)	EWØ135Ø3							
*MODELS	(1)	EWØ13479							
*MOISTURE	(1)	EWØ13311							
*MONITORING	(14)	EWØ133Ø4	EWØ133Ø5	EWØ133Ø6	EWØ133Ø7	EWØ133Ø8	EWØ1331Ø	EWØ13312	
		EWØ13313	EWØ13314	EWØ13316	EWØ13318	EWØ13387	EWØ134Ø4	EWØ13466	
MONITORING	(1)	EWØ13464							
*MONITORING WELLS	(3)	EWØ133Ø3	EWØ133Ø8	EWØ133Ø9					
*MONITORS	(1)	EWØ133Ø4							
*MUNICIPALITIES	(1)	EWØ13492							
*MUNICIPAL WASTES	(1)	EWØ13467							
*NAPHTHALENE	(1)	EWØ13398							

*NATIONAL CONTINGENCY PLAN	(1)	EWØ135Ø1							
*NEW YORK	(2)	EWØ13338	EWØ13364						
*NICKEL	(1)	EWØ1344Ø							
*NIOSH	(1)	EWØ13471							
*NITRATES	(1)	EWØ13342							
*NITROANILINES	(1)	EWØ13441							
*NITROPROPANES	(1)	EWØ13456							
*OBSERVATIONS	(1)	EWØ13365							
*OCCUPATIONAL HEALTH	(69)	EWØ13383	EWØ134Ø6	EWØ134Ø7	EWØ134Ø8	EWØ134Ø9	EWØ1341Ø	EWØ13411	
		EWØ13412	EWØ13413	EWØ13414	EWØ13415	EWØ13416	EWØ13417	EWØ13418	EWØ13419
		EWØ1342Ø	EWØ13421	EWØ13422	EWØ13423	EWØ13424	EWØ13425	EWØ13426	EWØ13427
		EWØ13429	EWØ1343Ø	EWØ13431	EWØ13432	EWØ13433	EWØ13434	EWØ13435	
		EWØ13436	EWØ13437	EWØ13438	EWØ13439	EWØ1344Ø	EWØ13441	EWØ13442	EWØ13443
		EWØ13444	EWØ13445	EWØ13446	EWØ13447	EWØ13448	EWØ13449	EWØ1345Ø	EWØ13451
		EWØ13452	EWØ13453	EWØ13454	EWØ13455	EWØ13456	EWØ13457	EWØ13458	EWØ13471
		EWØ13529	EWØ1353Ø	EWØ1354Ø	EWØ13541	EWØ13542	EWØ13543	EWØ13544	EWØ13546
		EWØ13546	EWØ13547	EWØ13547	EWØ13548	EWØ13549	EWØ1355Ø		
*OHIO	(2)	EWØ13357	EWØ13372						
*OIL	(3)	EWØ1346Ø	EWØ13461	EWØ1349Ø					
*OIL SHALE	(1)	EWØ13459							
*OIL SPILLS	(3)	EWØ1346Ø	EWØ13461	EWØ13522					
*OIL/WATER SEPARATORS	(1)	EWØ13522							
*OPERATIONS	(1)	EWØ1335Ø							
*OPERATIONS (FARMING)	(1)	EWØ135Ø3							
*OPERATIONS (FOOD PROCESSING)	(1)	EWØ13392							
*OPERATIONS (SOLID WASTES)	(1)	EWØ13374							
*OPERATIONS (WASTE TREATMENT)	(2)	EWØ13391	EWØ13467						
*OPERATIONS (WASTEWATER)	(18)	EWØ13319	EWØ1332Ø	EWØ13321	EWØ13345	EWØ13346	EWØ13348	EWØ13356	
		EWØ13364	EWØ13365	EWØ13389	EWØ13473	EWØ13488	EWØ13489	EWØ13495	EWØ13496
		EWØ13497	EWØ13498	EWØ135ØØ					
*OPERATIONS (WASTEWATER TREATMENT)	(2)	EWØ13494	EWØ13537						
*OPERATIONS (WATER)	(12)	EWØ13339	EWØ13342	EWØ13357	EWØ13358	EWØ13359	EWØ13361	EWØ13388	
		EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13478			
*OPERATIONS (WATER TREATMENT)	(1)	EWØ13537							
*OPERATOR TRAINING	(1)	EWØ135ØØ							
*OPINIONS	(1)	EWØ1334Ø							
*ORDINANCES	(2)	EWØ13322	EWØ13332						
*ORGANIC COMPOUNDS	(2)	EWØ13359	EWØ13482						

OVERLAND FLOW	(1)	EW013319						
*OXIDATION	(1)	EW013496						
*OXIDATION SYSTEMS	(1)	EW013489						
*PACKAGE TREATMENT PLANTS	(1)	EW013343						
*PARAQUAT	(1)	EW013457						
*PARATHION	(1)	EW013446						
*PATHOGENS	(1)	EW013495						
*PCBS	(4)	EW013323	EW013466	EW013467	EW013468			
*PENTACHLORONITROBENZENE	(1)	EW013447						
*PENTACHLOROPHENOL	(1)	EW013545						
*PERFORMANCE APPRAISAL	(3)	EW013325	EW013377	EW013378				
*PERFORMANCE EVALUATION	(18)	EW013305	EW013335	EW013338	EW013339	EW013359	EW013360	EW013374
		EW013378	EW013388	EW013475	EW013480	EW013491	EW013492	EW013494
		EW013495	EW013497	EW013498				
*PERMIT WRITERS	(1)	EW013465						
*PERSONNEL	(4)	EW013325	EW013377	EW013378	EW013381			
*PESTICIDES	(4)	EW013402	EW013483	EW013536	EW013539			
*PHENOL	(2)	EW013335	EW013399					
*PHOSGENE	(1)	EW013448						
*PHYSICAL CHARACTERISTICS	(1)	EW013499						
*PHYTOPLANKTON	(1)	EW013534						
*PILOT PLANTS	(1)	EW013478						
*PILOT STUDIES	(2)	EW013357	EW013496					
*PIPE JOINTS	(1)	EW013334						
*PIPELINES	(1)	EW013349						
*PIPES	(2)	EW013334	EW013351					
*PLANNING	(4)	EW013302	EW013356	EW013501	EW013505			
PLANNING	(2)	EW013380	EW013464					
*PLANTS	(1)	EW013538						
*PLATE SEPARATORS	(1)	EW013320						
*POLICIES	(1)	EW013551						
*POLLUTANTS	(4)	EW013462	EW013463	EW013487	EW013532			
POLLUTION	(3)	EW013466	EW013472	EW013539				

*POLLUTION CONTROL	(16)	EWØ133Ø2	EWØ133Ø6	EWØ13322	EWØ13323	EWØ13326	EWØ13376	EWØ13459
		EWØ1346Ø	EWØ13461	EWØ13466	EWØ13468	EWØ13472	EWØ135Ø1	EWØ13526
		EWØ13539						EWØ13527
*POLYCHLORINATED BIPHENYLS	(3)	EWØ13466	EWØ13467	EWØ13468				
*POLYVINYL CHLORIDE	(1)	EWØ13485						
*POSTSECONDARY EDUCATION	(2)	EWØ13484	EWØ135Ø7					
*PRESSURE Valves	(1)	EWØ13331						
*PRETREATMENT	(1)	EWØ13321						
*PREVENTIVE MAINTENANCE	(2)	EWØ13327	EWØ13373					
*PRIVATIZATION	(1)	EWØ13333						
*PROGRAM DESCRIPTIONS	(2)	EWØ135Ø4	EWØ135Ø5					
*PROGRAM DEVELOPMENT	(1)	EWØ1338Ø						
*PROJECT DESCRIPTIONS	(1)	EWØ13362						
*PROPOSALS	(1)	EWØ13379						
*PROPOSAL WRITING	(1)	EWØ13379						
*PUBLIC EDUCATION	(1)	EWØ135Ø4						
*PUBLIC HEALTH	(8)	EWØ13375	EWØ13383	EWØ135Ø4	EWØ135Ø5	EWØ13529	EWØ1353Ø	EWØ13531
		EWØ13533						
*PUBLIC PARTICIPATION	(1)	EWØ135Ø4						
*PUMP STATIONS	(2)	EWØ13348	EWØ13364					
*PYRIDINE	(1)	EWØ13449						
*RADIATION	(2)	EWØ134Ø1	EWØ13531					
RADIOACTIVE WASTES	(1)	EWØ134ØØ						
*RANGELAND	(1)	EWØ13387						
*RECOMMENDATIONS	(1)	EWØ13391						
RECREATION	(1)	EWØ13464						
*RECYCLING	(4)	EWØ13341	EWØ1337Ø	EWØ134Ø3	EWØ1349Ø			
*REDI	(2)	EWØ13462	EWØ13463					
*REFUSE	(1)	EWØ1337Ø						
*REFUSE DERIVED FUEL	(1)	EWØ1337Ø						
*REGULATIONS	(11)	EWØ13322	EWØ13323	EWØ13326	EWØ13332	EWØ13358	EWØ13383	EWØ13393
		EWØ13465	EWØ13483	EWØ135Ø4	EWØ13524			
*REHABILITATION	(1)	EWØ13355						
*REMOTE SENSING	(1)	EWØ13472						



*RENOVATIONS	(1)	EWØ13354						
*RESEARCH	(3)	EWØ13313	EWØ13389	EWØ1339Ø				
*RESEARCH REPORTS	(7)	EWØ134Ø5	EWØ13489	EWØ13493	EWØ13495	EWØ13499	EWØ135Ø3	EWØ13511
*RESERVOIRS	(2)	EWØ13354	EWØ13464					
*RESINS	(1)	EWØ134ØØ						
*RESOURCE MANAGEMENT	(1)	EWØ13499						
*RESOURCE RECOVERY	(7)	EWØ13374	EWØ13376	EWØ134ØØ	EWØ134Ø3	EWØ1347Ø	EWØ1349Ø	EWØ13497
*REVERSE OSMOSIS	(3)	EWØ13336	EWØ13341	EWØ13359				
*RISK ASSESSMENT	(69)	EWØ13323	EWØ13395	EWØ134Ø4	EWØ134Ø6	EWØ134Ø7	EWØ134ØØ	EWØ134Ø9
		EWØ1341Ø	EWØ13411	EWØ13412	EWØ13413	EWØ13414	EWØ13415	EWØ13416
		EWØ13418	EWØ13419	EWØ1342Ø	EWØ13421	EWØ13422	EWØ13423	EWØ13424
		EWØ13426	EWØ13427	EWØ13428	EWØ13429	EWØ1343Ø	EWØ13431	EWØ13432
		EWØ13434	EWØ13435	EWØ13436	EWØ13437	EWØ13438	EWØ13439	EWØ1344Ø
		EWØ13442	EWØ13443	EWØ13444	EWØ13445	EWØ13446	EWØ13447	EWØ13448
		EWØ1345Ø	EWØ13451	EWØ13452	EWØ13453	EWØ13454	EWØ13455	EWØ13456
		EWØ13458	EWØ13529	EWØ13533	EWØ1354Ø	EWØ13541	EWØ13542	EWØ13543
		EWØ13545	EWØ13546	EWØ13547	EWØ13548	EWØ13549	EWØ1355Ø	EWØ13544
*ROADSIDE DEVELOPMENT	(1)	EWØ1347Ø						
*SAFETY	(7)	EWØ1335Ø	EWØ13363	EWØ13386	EWØ134Ø1	EWØ13471	EWØ135Ø7	EWØ13539
*SAMPLERS	(2)	FWØ133Ø4	EWØ133Ø5					
*SAMPLING	(9)	FWØ133Ø4	EWØ133Ø6	EWØ133Ø7	EWØ1331Ø	EWØ13312	EWØ13313	EWØ13314
		EWØ13316	EWØ13469					
*SANITARY LANDFILLS	(1)	EWØ13326						
*SAUDI ARABIA	(5)	EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13478		
*SCREENING PROCEDURES	(3)	EWØ13486	EWØ13467	EWØ13532				
*SEDIMENTS	(2)	EWØ13468	EWØ13553					
*SEPARATORS	(1)	EWØ13522						
*SEPTIC TANKS	(1)	EWØ13491						
*SERVICE CHARGES	(1)	EWØ13371						
*SERVICE CONTRACTS	(1)	EWØ1334Ø						
SERVICE RATES	(1)	EWØ13376						
*SEWAGE SLUDGE	(3)	EWØ1347Ø	EWØ13473	EWØ13493				
*SEWER BACKUPS	(1)	EWØ13373						
SEWER LEAKS	(1)	EWØ13375						
*SEWER OVERFLOWS	(1)	EWØ13362						
*SEWER RATES	(1)	EWØ13371						
*SEWERS	(7)	EWØ13355	EWØ13362	EWØ13363	EWØ13372	EWØ13373	EWØ13375	EWØ13488

*SHELLFISH	(1)	EWØ13538						
*SITE EVALUATION	(2)	EWØ133Ø2	EWØ13315					
*SLUDGE	(1Ø)	EWØ13349	EWØ13369	EWØ13473	EWØ13489	EWØ1349Ø	EWØ13493	EWØ13495
		EWØ13496	EWØ13497	EWØ13498				
*SLUDGE CONDITIONING	(1)	EWØ13489						
*SLUDGE DIGESTION	(1)	EWØ13495						
*SOIL ABSORPTION SYSTEMS	(1)	EWØ13492						
*SOIL CONSERVATION	(1)	EWØ135Ø3						
*SOIL POLLUTION	(1)	EWØ13384						
*SOILS	(3)	EWØ13311	EWØ134Ø5	EWØ13468				
*SOLAR ENERGY	(5)	EWØ13474	EWØ13475	EWØ13476	EWØ13477	EWØ13478		
*SOLERAS	(2)	EWØ13477	EWØ13478					
*SOLIDS CONTACT FACILITIES	(1)	EWØ13494						
*SOLID WASTES	(4)	EWØ13369	EWØ1337Ø	EWØ13374	EWØ13376			
*STANDARDS	(2)	EWØ13533	EWØ13536					
*STATE ROLE	(1)	EWØ13535						
*STATE STANDARDS	(1)	EWØ13342						
*STORAGE	(1)	EWØ13465						
STORM SEWERS	(1)	EWØ13375						
*STORM WATER	(2)	EWØ13352	EWØ13479					
*STORM WATER MANAGEMENT MODEL	(1)	EWØ13479						
*STORS	(1)	EWØ1349Ø						
*STRESS	(1)	EWØ13381						
*STRIP MINING	(1)	EWØ134ØØ						
*STYRENE	(1)	EWØ13547						
*SUPERFUND	(1)	EWØ135Ø1						
*SURFACE RUNOFF	(3)	EWØ13352	EWØ13362	EWØ13479				
*SURFACE WATER	(2)	EWØ13486	EWØ13487					
*SURFACE WATERS	(1)	EWØ13532						
*SURGE PLUNGERS	(1)	EWØ133Ø8						
*SURVEYS	(1)	EWØ135Ø3						
*SWM	(1)	EWØ13479						
*SYSTEM ANALYSIS	(1)	EWØ13338						

*TECHNOLOGY	(13)	EWØ13319	EWØ13329	EWØ13343	EWØ13345	EWØ13346	EWØ13357	EWØ13376
		EWØ13391	EWØ13490	EWØ13491	EWØ135Ø5	EWØ13523	EWØ13551	
*TELEMETRY SYSTEMS	(1)	EWØ13314						
*TEMPERATURE	(1)	EWØ13361						
*TEMPERATURE VALVES	(1)	EWØ13331						
*TENNESSEE	(1)	EWØ135Ø3						
*TETRACHLOROETHYLENE	(1)	EWØ1345Ø						
*THERMAL CONDITIONING	(1)	EWØ13489						
*THM	(1)	EWØ13388						
*TITANIUM DIOXIDE	(1)	EWØ13541						
*TOLUENE	(2)	EWØ13452	EWØ13524					
*TOXICITY	(1)	EWØ13323						
*TOXICOLOGY	(1)	EWØ13484						
*TOXIC SUBSTANCES	(84)	EWØ13329	EWØ13395	EWØ13396	EWØ13397	EWØ13398	EWØ13399	EWØ134Ø2
		EWØ134Ø6	EWØ134Ø7	EWØ134Ø8	EWØ134Ø9	EWØ1341Ø	EWØ13411	EWØ13412
		EWØ13414	EWØ13415	EWØ13416	EWØ13417	EWØ13418	EWØ13419	EWØ1342Ø
		EWØ13422	EWØ13423	EWØ13424	EWØ13425	EWØ13426	EWØ13427	EWØ13428
		EWØ1343Ø	EWØ13431	EWØ13432	EWØ13433	EWØ13434	EWØ13435	EWØ13436
		EWØ13438	EWØ13439	EWØ1344Ø	EWØ13441	EWØ13442	EWØ13443	EWØ13444
		EWØ13446	EWØ13447	EWØ13448	EWØ13449	EWØ1345Ø	EWØ13451	EWØ13452
		EWØ13454	EWØ13455	EWØ13456	EWØ13458	EWØ13481	EWØ13482	EWØ13483
		EWØ13487	EWØ13498	EWØ135Ø4	EWØ135Ø5	EWØ13524	EWØ13526	EWØ13527
		EWØ13532	EWØ13533	EWØ1354Ø	EWØ13541	EWØ13542	EWØ13543	EWØ13544
		EWØ13546	EWØ13547	EWØ13548	EWØ13549	EWØ1355Ø		EWØ13545
*TOXIC WASTES	(1)	EWØ134Ø5						
*TRACE ELEMENTS	(1)	EWØ133Ø4						
*TRACE POLLUTION	(1)	EWØ13384						
*TRAINING	(2)	EWØ13381	EWØ135ØØ					
TRAINING	(1)	EWØ1338Ø						
*TRAINING PROPOSALS	(1)	EWØ13379						
*TRANSIOMETER	(1)	EWØ13311						
*TRANSPORT	(1)	EWØ13532						
*TRICHLOROACETIC ACID	(1)	EWØ1336Ø						
*TRICHLOROETHYLENE	(1)	EWØ13451						
*TRICKLING FILTERS	(1)	EWØ13494						
*TRIHALOMETHANE	(1)	EWØ13388						
*TRIHALOMETHANES	(2)	EWØ13358	EWØ13361					
*TRIMELLITE ANHYDRIDE	(1)	EWØ13529						

*TURPENTINE	(1)	EW013458							
*UNIONS	(1)	EW013388							
*URBAN AREAS	(1)	EW013352							
*USEPA	(3)	EW013465	EW013500	EW013501					
USEPA	(2)	EW013524	EW013536						
*VALVES	(1)	EW013331							
*VIDEO DISCS	(1)	EW013381							
*VINYL ACETATE	(1)	EW013549							
*VINYL CHLORIDE	(1)	EW013485							
*VIRGINIA	(1)	EW013354							
*WASHINGTON	(2)	EW013470	EW013503						
*WASTE DISPOSAL	(17)	EW013315	EW013321	EW013326	EW013329	EW013349	EW013369	EW013370	
		EW013374	EW013376	EW013459	EW013465	EW013467	EW013470	EW013493	EW013497
		EW013505	EW013523						
*WASTE GENERATION	(1)	EW013551							
*WASTE MANAGEMENT	(1)	EW013505							
*WASTE REDUCTION	(1)	EW013551							
*WASTE STORAGE	(1)	EW013505							
*WASTE TREATMENT	(11)	EW013315	EW013329	EW013341	EW013391	EW013392	EW013400	EW013403	
		EW013467	EW013473	EW013505	EW013523				
*WASTEWATER COLLECTION	(11)	EW013340	EW013352	EW013355	EW013362	EW013363	EW013364	EW013371	
		EW013373	EW013375	EW013479	EW013488				
*WASTEWATER PIPES	(1)	EW013351							
*WASTEWATER SLUDGE	(1)	EW013356							
*WASTEWATER TREATMENT	(28)	EW013319	EW013320	EW013321	EW013333	EW013335	EW013343	EW013345	
		EW013346	EW013349	EW013356	EW013365	EW013369	EW013389	EW013403	EW013473
		EW013489	EW013490	EW013491	EW013492	EW013493	EW013494	EW013495	EW013496
		EW013497	EW013498	EW013500	EW013507	EW013537			
*WATER	(1)	EW013508							
*WATER DEMAND	(1)	EW013340							
*WATER DISTRIBUTION	(3)	EW013322	EW013331	EW013332					
*WATER INTERACTION	(1)	EW013553							
*WATER LEVEL	(2)	EW013313	EW013314						
*WATER PIPES	(2)	EW013334	EW013351						
*WATER POLLUTION	(4)	EW013384	EW013472	EW013480	EW013538				
*WATER POLLUTION CONTROL	(13)	EW013302	EW013304	EW013305	EW013306	EW013315	EW013320	EW013404	

*WATER PRESSURE	EWØ13462 (1)	EWØ13463 EWØ13312	EWØ1348Ø	EWØ13486	EWØ13522	EWØ13536		
*WATER PROJECTS	(1)	EWØ13535						
*WATER QUALITY	(36)	EWØ133Ø2 EWØ1331Ø EWØ13332 EWØ13463 EWØ135ØØ	EWØ133Ø3 EWØ13315 EWØ13343 EWØ13469 EWØ13524	EWØ133Ø4 EWØ13316 EWØ1336Ø EWØ13486 EWØ13532	EWØ133Ø5 EWØ13318 EWØ13362 EWØ13487 EWØ13533	EWØ133Ø7 EWØ13322 EWØ133Ø7 EWØ13499	EWØ133Ø8 EWØ1332Ø EWØ1339Ø EWØ13499	EWØ133Ø9 EWØ13331 EWØ13462 EWØ135ØØ
*WATER RATES	(3)	EWØ13338	EWØ1334Ø	EWØ13371				
*WATER RESOURCES	(12)	EWØ13474	EWØ13311 EWØ13475	EWØ13314 EWØ13476	EWØ13316 EWØ13499	EWØ13318 EWØ13511	EWØ133Ø7 EWØ1339Ø	EWØ13464
*WATERSHEDS	(1)	EWØ133Ø7						
*WATER STORAGE	(1)	EWØ13354						
*WATER SUPPLY	(9)	EWØ13477	EWØ133Ø2 EWØ13478	EWØ133Ø3	EWØ133Ø4	EWØ133Ø5 EWØ1334Ø	EWØ13354	EWØ133Ø7
*WATER TREATMENT	(24)	EWØ13343 EWØ134Ø4 EWØ13537	EWØ1332Ø EWØ13344 EWØ13474	EWØ13328 EWØ13357 EWØ13475	EWØ13333 EWØ13358 EWØ13476	EWØ13336 EWØ13359 EWØ13477	EWØ13339 EWØ13361 EWØ13478	EWØ13341 EWØ133Ø8 EWØ135Ø7
*WATER USE	(2)	EWØ13338	EWØ13371					
*WEATHER	(1)	EWØ13499						
*WEED CONTROL	(1)	EWØ13382						
*WEEDS	(1)	EWØ13382						
*WELLS	(2)	EWØ133Ø3	EWØ133Ø8					
*WELL WATER	(1)	EWØ13342						
*WETLANDS	(1)	EWØ13511						
*XYLENE	(1)	EWØ13546						
*ZINC CHROMATE	(1)	EWØ1355Ø						
ZOOLOGY	(1)	EWØ13538						
*1,2-DICHLOROETHANE	(1)	EWØ13444						
*1,2-DICHLOROPROPANE	(1)	EWØ13445						
*1,3-BUTADIENE	(1)	EWØ13443						
*1,4-DIOXANE	(1)	EWØ13442						
*2,4-DINITROTOLUENE	(1)	EWØ13453						
*2,6-DICHLORO-4-NITROANILINE	(1)	EWØ13454						
*4,4-METHYLENEDIANILINE	(1)	EWØ13432						

