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A. ANPRM and Other Federal Register Notices

- .1 Federal Register: Environmental Protection Agency. Water Pollution Control; National Primary Drinking Water Regulations; Radionuclides; Advance Notice of Proposed Rulemaking. Vol. 51, No. 189, Tuesday, Sep. 30, 1986--Part VI. pp. 34836-34862.
- .2 Federal Register: Environmental Protection Agency. National Primary Drinking Water Regulations; Volatile Synthetic Organic Chemicals; Final Rule and Proposed Rule. Vol. 50, No. 219, Wednesday, Nov. 15, 1985 - Part III. pp.46880-46901. (See Phase I, III-A1.1)
- .3 Federal Register: Environmental Protection Agency. National Primary Drinking Water Regulations; Volatile Synthetic Organic Chemicals; Final Rule and Proposed Rule. Vol. 50, No. 219, Wednesday, Nov. 15, 1985 - Part III. pp.46902-46933. (See Phase I, IV-A.1)
- .4 Federal Register: Environmental Protection Agency. Proposed Guidelines for Carcinogen Risk Assessment. Vol. 49, No. 227, Nov. 23, 1984. pp. 46294-46301. (See Phase I, III-A2.1)

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40. Gumerman, R.C., Culp, R.L., et al. Estimating Water Treatment Costs: Volume 2; Costs Curves Applicable to 1 to 200 mgd Treatment Plants. U.S. Environmental Protection Agency, EPA-600/2-79-162b, 1979.
41. Hansen, S.P., Gumerman, R.C., et al. Estimating Water Treatment Costs: Volume 3; Costs Curves Applicable to 2, 5000 mgd to 1 mgd Treatment Plants. U.S. Environmental Protection Agency, EPA-600/2-79-162c, 1979.
42. Market Trends. Engineering News-Record 208(9):50, 1982.

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II-E2B (cont'd)

REFERENCES TO APPENDIX A (Not previously cited)

2. Progress Report, Drinking Water Research. U.S. Environmental Protection Agency, Cincinnati, Ohio, October 1 to December 31, 1982.
9. Progress Report, Drinking Water Research. U.S. Environmental Protection Agency, Cincinnati, Ohio, January 1 to March 31, 1984.

ALL REFERENCES TO APPENDIX C Can be found at II-D, III-E2b (Barium)

3. Other Treatment Technology and Cost References Cited in ANPRM - 2

- .1 Lassoyszky, Peter and Steven Hathaway. Treatment Technologies to Remove Radionuclides from Drinking Water. (Preconference report for National Workshop on Radioactivity in Drinking Water, Easton, MD., May 24-26, 1983), U.S. EPA, Washington, DC. 36 pp.
- .2 Lowry, Jerry D. and J.E. Brandow. Removal of Radon from Groundwater Supplies Using Granular Activated Carbon or Diffused Aeration. Univ. of Maine, Dept. of Civil Engineering, Orono, Maine. July 1981. 87 pp.
- .3 U.S. Environmental Protection Agency, Criteria and Standards Division. Technologies and Costs for the Removal of Volatile Organic Chemicals from Potable Water Supplies. 1985. 219 pp.

F. OTHER TECHNICAL REPORTS

1. References Cited in ANPRM - 2

- .1 Lappenbusch, W.L. and C.R. Cothorn. Application of Standard Setting Philosophies to Natural Radioactivity in U.S. Drinking Water. Paper presented at the mid-year symposium of the Health Physics Society, Colorado Springs, CO, Jan. 6-10, 1985. 8 pp.
- .2 Radioactivity in Drinking Water. Proceedings of the National Workshop on Radioactivity in Drinking Water, held May 24-26, 1983 at the Tidewater Inn, Easton, MD, published as a special issue on Health Physics, V. 48, No. 5, May 1985. pp. 535-693.
- .3 U.S. Environmental Protection Agency, Criteria and Standards Division. Radioactivity in Drinking Water. EPA-570/9-81-002. Jan. 1981. 76 pp.
- .4 U.S. Environmental Protection Agency, Office of Radiation Programs. Radionuclides - Background Information Document for Final Rules (NESHAP) Vol. 1, EPA 520/1-84-022-1. Oct. 1984. (not available in the docket)
- .5 U.S. Environmental Protection Agency, Office of Water Supply. Primary Drinking Water Regulations, EPA 570/9-76-003. 1976. (available in the EPA Library).

G. LETTERS

- .1 Apr. 30, 1985. From U.S. Rep. John E. Grotberg, Illinois. To Lee M. Thomas, EPA. Forwarding materials to EPA and encouraging that they be considered in EPA's review of its radium standard. 1 p. [58 pp. attached: (1) 7 newspaper articles; (2) maps of Illinois and Radium MAC Report; (3) petition for variance to the Illinois Pollution Control Board by the villages of Hanna City and Gardner. Apr. 18, 1985; (4) Radiation in Public Water Supplies. Publication by the Illinois EPA; (5) correspondence to/from the Illinois EPA; (6) statement of support by AWWA and report on radio-activity in drinking water.]
- .2 June 11, 1985. From Suzanne L. Duechler, State Representative, State of Illinois. To Joseph Cotruvo, ODW, EPA. Forwarding Illinois House Res. 98 Asking EPA to consider drinking water standards for radium. 1 p. + 1 p. attachment (EPA's response dated June 19, 1985 attached).
- .3 Sep. 18, 1985. From Joseph A. Cotruvo, ODW, EPA. To Dr. Vernon Houk, Director, Center for Environmental Health, CDC, Atlanta. Forwarding for his review draft regulations for Phases I, II, and III. 1 p.
- .4 May 9, 1986. From Gayle J. Smith, Chairman, National Drinking Water Advisory Council. To Lee M. Thomas, EPA. Expressing concern that the proposal for radionuclides move forward in a timely fashion. 1 p.

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II-H

H. PUBLIC HEARING (Nov. 13, 1986)

- .1 Public Hearing on Regulation of Radionuclides, Nov. 13, 1986 --
A Summary. Prepared by Susan Goldhaber, Craig Vogt and Rick Cothorn.
Dec. 2, 1986. 4 pp. [plus (1) attachment from Jack Sullivan, AWWA,
1 p., and (2) list of attendees, 2 pp.]

I. NDWAC

1. Minutes

- .1 Minutes of Meeting: National Drinking Water Advisory Council.
Aug. 8 and 9, 1985. Washington, DC.
- .2 Minutes of Meeting: National Drinking Water Advisory Council.
Nov. 20 and 21, 1985. Washington, DC.
- .3 Minutes of Meeting: National Drinking Water Advisory Council.
Apr. 24 and 25, 1986. Austin, TX.
- .4 Minutes of Meeting: National Drinking Water Advisory Council.
Nov. 19 and 20, 1986. Washington, DC. 2.

2. Transcripts

- .1 Transcript of the Meeting: U.S. EPA, NDWAC -- Aug. 8-9, 1985.
- .2 Transcript of the Meeting: U.S. EPA, NDWAC -- Nov. 20-21, 1985.
pp. 117-138.
- .3 Transcript of the Meeting: U.S. EPA, NDWAC -- Apr. 24, 1986 -
Morning Session; Apr. 24, 1986 - Afternoon Session; and Apr. 25,
1986 - Morning Session.
- .4 Transcript of the Meeting: U.S. EPA, NDWAC -- Nov. 19, 1986.
pp. 143-144, 147-148.

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J. PUBLIC COMMENTS

1. Comments Submitted in Response to the Proposal

- .1 Erik Jansson, Coordinator
National Network to Prevent Birth Defects
Washington, DC
Nov. 13, 1986. 2 pp. + 126 pp.
- .2 not a comment
- .3 not a comment
- .4 Jerry A. Foellmi
General Engineering Co., Inc.
Portage, WI
Oct. 16, 1986. 2 pp.
- .5 Gloria C. Rains, Chairman
Manasota-88
Palmetto, FL
Nov. 13, 1986. 4 pp. + 12 pp.
- .6 A Concerned Citizen
Wisconsin
Dec. 16, 1986. 1 p.
- .7 Timothy K. Tully, Mayor
New Berlin, WI
Dec. 16, 1986. 1 p.
- .8 not a comment
- .9 Stephen P. Morzenti
Casper, WY
Dec. 19, 1986. 1 p.
- .10 Mark Pelizza
Environmental Manager
Uranium Resources, Inc.
Dec. 15, 1986. 3 pp.
- .11 not a comment
- .12 Lynn Adelman
State Senator
Madison, WI
Dec. 10, 1986. 1 p.
- .13 not a comment

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II-J1 (Cont'd)

- .14 Harold E. Klotz
Vice President, Engineering
Rutgers-Nease
State College, PA
Dec. 9, 1987. 3 pp.
- .15 not a comment
- .16 Roy M. Harsch
Law Office of Martin, Craig, Chester & Sonnenschein
Chicago, IL
Dec. 5, 1986. 3 pp.
- .16a Dec. 10, 1986. From Joseph A. Cotruvo, EPA. To Ray M.
Harsch. Letter response to Dec. 5 request for extension of
comment period. 1 p.
- .17 Bernard Shleien
Nucleon Lectern Associates, Inc.
Olney, MD
Dec. 2, 1986. 2 pp.
- .18 not a comment
- .19 Fred C. Hohne, Pres.
Malapai Resources Company
Phoenix, AZ
Dec. 24, 1986. 15 pp.
- .20 Timothy C. Smith
Manager of Environmental Affairs
Cotter Corporation
Lakewood, CO
Dec. 24, 1986. 8 pp. + 17 pp.
- .21 Gregory E. Bolin, P.E.
Ruekert & Mielke, Inc.
Waukesha, WI
Dec. 15, 1986. 6 pp.
- .22 Joe Glicker, P.E.
Engineering Supervisor - Water Quality
Bureau of Water Works
City of Portland
Portland, OR
Dec. 16, 1986. 2 pp.
- .23 Gayle J. Smith, President
Association of State Drinking Water Administrators
Arlington, VA
Dec. 29, 1986. 3 pp.

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II-J1 (Cont'd)

- .24 Margaret A. Malone
Assistant Attorney General
State of Ohio
Columbus, OH
Dec. 23, 1986. 7 pp.
- .25 David K. Lacker, Chief
Bureau of Radiation Control
Texas Dept. of Health
Austin, TX
Dec. 22, 1986. 2 pp.
- .26 Kristy A. Niehaus
Hunton and Williams
Counsel for Utility Water Act Group (UWAG)
Washington, DC
Dec. 29, 1986. 11 pp.
- .27 J. F. Ratchye
Executive Vice President
Cheyenne, WY
Dec. 17, 1986. 2 pp.
- .28 E. David Harward
Environmental Projects Manager
Atomic Industrial Forum, Inc.
Bethesda, MD
Dec. 24, 1986. 1 p.
- .29 Robert R. Mooney, Head
Environmental Protection Section
Office of Radiation Protection
State of Washington
Dept. of Social and Health Services
Olympia, WA
Dec. 23, 1986. 3 pp.
- .30 not a comment
- .31 not a comment
- .32 Michael H. Mobley, Director
Division of Radiological Health
Tennessee Dept. of Health and Environment
Nashville, TN
Dec. 23, 1986. 5 pp.
- .33 J. R. Thorpe, Director
Licensing and Regulatory Affairs
GPU Nuclear
Parsippany, NJ
Dec. 24, 1986. 4 pp.

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II-J1 (Cont'd)

- .34 not a comment
- .35 Richard H. Moser
American Water Works Service Company, Inc.
Marlton, NJ
Dec. 29, 1986. 6 pp.
- .36 Audrey S. Murphy, Chairperson
Wisconsin Coalition for Radium Evaluation
Green Bay, WI
Received Jan. 1987. 3 pp. + 15 pp.
- .37 Richard Holland
Acting Director
Environmental Improvement Division
State of New Mexico
Santa Fe, NM
Dec. 29, 1987. 3 pp.
- .38 Mark E. Miazga, Mayor
City of Franklin
Franklin, WI
Dec. 23, 1986. 2 pp.
- .39 Raymond Jarema, P.E.
Water Supply Section
Hari Rao
Toxic Hazards Section
State of Connecticut
Dept. of Health Services
Hartford, CT
Dec. 24, 1986. 2 pp.
- .40 Timothy C. Smith
Cotter Corporation
Lakewood, CO
Dec. 31, 1986. 10 pp.
- .41 E.T. Still, DVM
Kerr-McGee Corporation
Oklahoma City, OK
Dec. 31, 1986. 6 pp.
- .42 D.L. Farrar
Director of Nuclear Licensing
Commonwealth Edison
Chicago, IL
Dec. 18, 1986. 3 pp.

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- .43 Daniel J. Askenaizer
Water Quality Specialist
The Metropolitan Water District of Southern California
Los Angeles, CA
Dec. 23, 1986. 5 pp. + 37 pp.
- .44 Melinda Kassen
Staff Attorney
Environmental Defense Fund
Boulder, CO
Dec. 23, 1986. 3 pp.
- .45 not a comment
- .46 not a comment
- .47 John H. Sullivan
Deputy Executive Director
Government Affairs Office
American Water Works Association
Washington, DC
Feb. 20, 1987. 6 pp.
- .48 not a comment
- .49 Seymour Abrahamson, Chairman
Radiation Protection Council
Madison, WI
Feb. 18, 1987. 2 pp.
- .50 Martin E. Rivers, Director
Environmental Quality
Tennessee Valley Authority
Knoxville, TN
Dec. 31, 1986. 2 pp.
- .51 Robert Szalay, Vice President
Atomic Industrial Forum, Inc.
Washington, DC
Jan. 20, 1987. 4 pp.
- .52 not a comment
- .53 not a comment
- .54 not a comment
- .55 Michael R. Neumann
Environmental Coordinator
Broomfield, CO
Jan. 26, 1987. 11 pp.

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II-J1 (Cont'd)

- .56 Paul G. Vrakas, Mayor
City of Waukesha
Waukesha, WI
Jan. 6, 1987. 1 p.
- .57 not a comment
- .58 Carleton Rutledge, Jr.
Manager, Environmental & Regulatory Programs
Westinghouse Electric Corporation
Pittsburgh, PA
Dec. 26, 1986. 2 pp.
- .59 Donna Cirolia
Director of Government Affairs
Water Quality Association
Washington, DC
Jan. 12, 1987. 20 pp.
- .60 Jerry C. Biberstine
Water Quality Control Division
State of Colorado
Denver, CO
Jan. 15, 1987. 2 pp. + 11 pp.
- .61 Steven A. Book, Acting Chief
Office of Environmental Health Hazard Assessment
Dept. of Health Services
State of California
Sacramento, CA
Dec. 31, 1986. 2 pp. + 31 pp.
- .62 Raymond P. Berube, Director
Office of Environmental Guidance and Compliance
Department of Energy
Washington, DC
Jan. 16, 1987. 5 pp.
- .63 not a comment
- .64 Lyman F. Wible, Administrator
Division of Environmental Standards
State of Wisconsin
Dept. of Natural Resources
Madison, WI
Dec. 29, 1986. 5 pp.

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- .65 Cathy S. Zeuske, State Representative
Lynn Adelman, State Senator
et al.
Wisconsin Legislature Assembly Chamber
Madison, WI
Mar. 25, 1987. 3 pp.
- .66 Harold J. Gorman, Ex. Dir.
Sewage & Water Board of New Orleans
New Orleans, LA
Apr. 9, 1987. 2 pp.
- .67 S.R. Wright, Director
Environmental Division
Dept. of Energy
Savannah River Operations Office
Aiken, SC
Jan. 30, 1987. 3 pp. + 2 pp.

PHASE III
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II-K

K. SUMMARIES OF MEETINGS AND TELEPHONE CALLS WITH PARTIES OUTSIDE EPA

- .1 May 15, 1987. From Craig Vogt, Deputy Director, CSD, ODW, EPA. To Phase III Docket. Regarding a May 14th meeting with people from Illinois discussing Phase III and requesting a public hearing in or near Chicago. 1 p.