Announcement of the Draft Drinking Water Contaminant Candidate List Monday, October 6, 1997 62 FR 52193

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A. Federal Register Notice

1. Federal Register: U.S. Environmental Protection Agency. Announcement of the Draft Drinking Water Contaminant Candidate List. Notice. Volume 62. Number 193. Monday, October 6, 1997. Pages 52193-52219.

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B. References Cited in the Preamble

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- 54. U.S. EPA. 1991c. Notice of Proposed Rulemaking: National Primary Drinking Water Regulations; Radionuclides, 56 FR 33050, July 18. 78 pp. (See III-D, III-A1.1)

- 55. U.S. EPA. 1992. National Primary and Secondary Drinking Water Regulations; Synthetic Organic Chemicals and Inorganic Chemicals. 57 FR 31776-31849 - Part III, July 17. 74 pp. (See V-D, II-A1.1)
- 56. U.S. EPA. 1995. National Pollutant Discharge Elimination System and Pretreatment Programs; State and Local Assistance Programs; Effluent Limitations Guidelines and Standards; Public Water Supply and Underground Injection Control Programs: Removal of Legally Obsolete or Redundant Rules. 60 FR 33926-33972, June 29. 47 pp. (See V-D, III-A1.4)
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- 58. U.S. EPA. 1996b. The Conceptual Approach for Contaminant Identification (working draft). EPA 812-D-96-001, November. (See DDWCCL, W-97-11, I-C18.b)
- 59. U.S. EPA. 1997a. Special Report on Environmental Endocrine Disruption: An Effects Assessment and Analysis, EPA 630-R-96-012, February. 129 pp.
- 60. U.S. EPA. 1997b. EFED Selection of Pesticide Candidates for MCL and HAL Development, Internal Memorandum with attachments from Michael Barrett and Estella Waldman, Office of Pesticide Programs to Amal Mahfouz, Office of Water, March 27. 75 pp.
- 61. U.S. EPA. 1997c. Office of Pollution Prevention and Toxics. 1995 Toxics Release Inventory, EPA 745-R-97-005, April. 242 pp.
- 62. U.S. EPA. 1997d. Raw and Processed Food Schedule for Pesticide Tolerance Reassessment, 62 FR 42020-42030, August 4.
- 63. U.S. EPA. 1997e. Research Strategy for Oxygenates in Water, Workshop Review Draft, Office of Research and Development, September 5. 45 pp.
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C. Meeting Materials and Summaries

- 1. Draft Summary of July 17, 1997, Conference Call of the National Drinking Water Advisory Council, Working Group of Occurrence and Contaminant Selection. 22 pp.
- 2. Executive Summary of July 17, 1997 Conference Call of the National Drinking Water Advisory Council, Working Group of Occurrence and Contaminant Selection. 6 pp.
- 3. Handouts for Working Group Meeting, July 17, 1997
 - a. U.S. EPA, "National Drinking Water Advisory Council, Occurrence and Contaminant Selection Working Group; Notice of Open Meeting," (62 FR 36279; July 7, 1997) (July 17, 1997 conference call). 2 pp.
 - b. Proposed Agenda (Dated July 8, 1997). 1 p.
 - c. Next Steps Re: Draft Candidate List. 1 p.
 - d. Proposed Future Activities of Working Group and Schedule. 1 p.
 - e. Proposed Recommendations for Microorganisms Re: Draft Candidate List. 1 p.
 - f. Proposed Recommendations Re: Draft Candidate List. 3 pp.
 - g. Draft Candidate List Summary Table. 6 pp.
 - h. Table A, Comments Table, Proposed Draft Candidate List. 48 pp.
 - i. Table B, Proposed Draft Candidate List. 3 pp.
 - j. Table C, Proposed Deletions OPP Risk. 1 p.
 - k. Table D, Proposed Possible Deletions -Unregulated Contaminants. 1 p.
 - 1. Summary of "The Numbers". 1 p.
 - m. Table 9a. Quantities of Pesticides most commonly used in US. Agricultural Crop Production. 1 p.
 - n. Perchlorate Information -- California Department of Health Services, May 1997. 4pp + 1 att (6 pp).
- 4. Draft of Health Table: Preliminary First Contaminant List, August 26, 1997. (See DDWCCL, W-97-11, I-D.6)
- 5. Summary of the June 23, 1997, Conference Call of the National Drinking Water Advisory Council's Working Group on Occurrence and Contaminant Selection. 13 pp.
- 6. Executive Summary of June 23 Conference Call of the National Drinking Water Advisory Council's Working Group on Occurrence and Contaminant Selection. 1 p.

- 7. June 23, 1997 NDWAC Working Group conference call handouts:
 - a. U.S. EPA, "National Drinking Water Advisory Council, Occurrence and Contaminant Selection Working Group; Notice of Open Meeting," (62 FR 32113; June 12, 1997) (June 23-24 conference call). 2 pp.
 - b. Proposed Agenda (Dated June 11, 1997). 1 p.
 - c. Outline of the Federal Register Notice for publication in August 1997 of draft Candidate List, dated May 13, 1997. 2 pp.
 - d. EPA Drinking Water Microbiology and Public Health Workshop Participants, May 20-21, 1997. 2 pp.
 - e. List of Pathogens Recommended for first Candidate List by Workshop Participants, and Rationale for Inclusion or Exclusion of Microorganisms on the first Candidate List, draft, dated June 16, 1997. 9 pp.
 - f. NDWAC Working Group April 3-4, 1997 Proposal for First Candidate List. 1 p.
 - g. Criteria for Selection of Chemical Contaminants for the First Candidate List, draft, dated April 21, 1997. 2 pp.
 - h. Nine-box diagram of Proposed Criteria for Candidate List. 1 p.
 - i. June 17, 1997 memo to Workgroup members re:Preliminary Contaminant List 1 p.
 - j. Summary Status Table. 8 pp.
 - k. Preliminary First Candidate List (a.k.a. Starting List), dated May 15, 1997. 9 pp.
 - 1. Preliminary First Candidate List, Occurrence Criteria Summary, dated June 13, 1997. 8 pp.
 - m. Preliminary First Candidate List, Health Criteria Summary, dated May 21, 1997.9 pp.
 - n. Contaminant Health and/or Occurrence Summaries from HSBD (hazardous substances data base), STORET, IRIS, TRI or Drinking Water Priority List Occurrence Literature Search prepared by SAIC for EPA (sept 1996) for the following compounds: aluminum, acetochlor, butylate, chlopryrifos, dacthal acid metabolites DDT/DDE, endosulfan, EPTC, malathion, propanil, tebuthiuron, trifluralin, o-cresol, acetone, ethylene glycol, methyl ethyl ketone, phenol,boron, cobalt, manganese, phosphorus, sodium, vandadium, aldrin, bromacil, chlorothalonil, terbufos, 1,4-dioxane, 22,6-di-t-butyl-p-..., ethylene. 81 pp.
- 8. Summary of May 20-21, 1997, EPA Water Microbiology and Public Health Workshop. 31 pp.
- 9. March 1997, Request for Proposals. Development of a Process to Evaluate Emerging Waterborne Pathogens (REP 445). American Water Works Research Foundation. 5 pp.

- 10. Draft Report from Expert Workshop on Emerging Waterborne Pathogens and their Public Health Significance. Sponsored by AWWA Research Foundation and AWWA Water Utility Council, June 6-7, 1996, Breckenridge, Colorado. 51 pp.
- 11. Summary of the April 3-4, 1997, Meeting of the National Drinking Water Advisory Council's Working Group on Occurrence & Contaminant Selection. 33 pp.
- 12. P. Gale. May 7, 1997. Developments in microbiological risk assessment for drinking water a short review. *Journal of Applied Bacteriology*. pp. 403-410. 8 pp.
- 13. MAFF Open Report CSA 2064. Protozoan, Bacterial and Viral Pathogens, Farm Wastes and Water Quality Protection. Final Report, 1995. 37 pp.
- 14. Sturdee, A., Bodley-Tickell, A. and Kitchen, S. Cryptosporidium Research Group School of Natural and Environmental Sciences Coventry University. *Cryptosporidium in Farmed and Wild Animals and the Implications for Water Contamination*. Second Annual Report. March 1996 February 1997. 43 pp.
- 15. Fact Sheet on Emerging Waterborne Pathogens, Final Report to the Department of the Environment. DWI 4248/1, March 1997. 59 pp.
- 16. Executive summary of April 3 & 4 meeting of the National Drinking Water Advisory Council's Working Group on Occurrence & Contaminant Selection. 2 pp.
- 17. Handouts for the April 3-4, 1997 Working Group Meeting:
 - a. U.S. EPA, "National Drinking Water Advisory Council, Occurrence and Contaminant Selection Working Group; Notice of Open Meeting," (62 FR 13612; March 21, 1997) (April 3-4, 1997 Working Group meeting). 2 pp.
 - b. Agenda (dated April 2, 1997). 3 pp.
 - c. Working Group Roster & Mission Statement. 2 pp.
 - d. Description of Education & Experience. 4 pp.
 - e. Section 102 of the 1996 Amendments of the Safe Drinking Water Act. 3 pp.
 - f. SDWA Time-line (Graphic & Text Versions). 2 pp.
 - g. EPA Schedule/planned Activities. 1 p.
 - h. The Conceptual Approach for Contaminant Identification (Working Draft), EPA 812-D-96-001, November 1996 (see December 2 & 3 Meeting handouts)

- i. Meeting Summary, EPA Drinking Water Contaminant Identification Method Stakeholders Meeting, December 2-3, 1996 (see December 2 & 3 meeting handouts). 35 pp.
- j. Preliminary First Candidate List (a.k.a. Starting List, Dated April 3, 1997). 9 pp.
- k. 1991 Drinking Water Priority List. 1 p.
- 1. Candidate Contaminants Selected from the EPA's IRIS List. 1 p.
- m. Chemicals with Potential for Endocrine Disrupting Effects, Preliminary List. 1 p.
- n. EPA Fact Sheet, EPA Special Report on Endocrine Disruption. 4 pp.
- o. List of CERCLA Chemicals Ranked by ATSDR. 2 pp.
- p. Memo to Amal Mahfouz from Michael Barrett (Including Table 1) Re: EFED Selection of Pesticides Candidates for MCL and HAL Development. 7 pp.
- q. Emerging Water Borne Pathogens. 19 pp.
- r. Contaminants with Previous Incomplete Regulatory Activity & the Candidate List. 1 p.
- s. 1.0 Introduction, The Cadmus Group, Inc., October 21, 1992 (A General Description of Various Databases). 4 pp.
- t. DCPA. 2 pp.
- u. Acrylonitrile. 6 pp.
- v. 12/1/95, Ground Water Classification by Regulation, Metalaxyl. 4 pp.

18. December 2 and 3, 1996 stakeholders meeting material:

- a. Meeting Summary, EPA Drinking Water Contaminant Identification Method Stakeholders Meeting, December 2-3, 1996. 74 pp.
- b. The Conceptual Approach for Contaminant Identification (working draft), EPA 812-D-96-001, November 1996. 116 pp.
- c. December 2 & 3, 1997 Drinking Water Contaminant Identification Method Stakeholder Meeting Overheads and handouts. 114 pp.

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D. Additional Resources

- 1. US Environmental Protection Agency, *Drinking Water Regulations and Health Advisories*. October 1996, EPA 822-B-96-002. 21 pp.
- 2. US Environmental Protection Agency. *Pesticides in Ground Water Database: A Compilation of Monitoring Studies: 1971-1991. National Summary.* September 1992. EPA 734-12-92-001. 201 pp.
- 3. September 1996, Drinking Water Priority List Occurrence Literature Search, prepared by Science Applications International Corp. For US EPA. 161 pp.
- 4. Occurrence/Exposure and Toxicity Profiles for the 1991 Drinking Water Priority List (DWPL), Draft- December 18, 1996. 250 pp.
- 5. Occurrence Table: Preliminary First Contaminant List, September 28, 1997. 10 pp.
- 6. Health Table: Preliminary First Contaminant List, August 26, 1997. 9 pp.
- 7. Comments Table: Preliminary First Contaminant List, August 22, 1997. 40 pp.
- 8. 1995 CERCLA Priority List Support Document with Appendix D. (See I-B.1, 25 pp.)
- 9. 1991 Additional Compounds Detected in public water systems, non-targets. 8 pp.
- 10. May, 1995 Ranking of TRI discharge volumes. 5 pp.
- 11. May 12, 1994 Preliminary List of Contaminants identified from IRIS. 3 pp.
- 12. July 7, 1997 Memo from Henry Nelson to Evelyn Washington, OGWDW, regarding surface water candidates. 2 pp.
- 13. A Statistical Survey of the Unregulated Contaminant Data, Prepared by Computer Sciences Corporation (Table A). 19 pp.
- 14. Occurrence Assessment for Phase VIb Contaminants in Public Drinking Water Supplies. Final Draft 9/30/93. Prepared by Wade Miller Associates, Inc., Evelyn Washington, EPA Technical Project Monitor and Brian Rourke, EPA Project Officer. 224 pp.

- 15. July 16, 1997 E-mail from Bob Gilliom to Evelyn Washington, OGWDW, regarding Surface Water Data Summary for Pesticides--All Sites and Land Uses Combined. 2 pp.
- 16. February 23, 1988 Memorandum from Jon P. Longtin, Water Supply Tech., to Arthur Perler, OST. Subject: Distribution Tables for the NIRS Results. 49 pp.
- 17. July 11, 1997 E-mail from John S Zogorski to Evelyn Washington, OGWDW, re: occurrence data from USGS for VOCs. 9 pp.
- 18. Known and Suspected List of Hormone-disrupters from the World Wildlife Foundation Canada Website. 2 pp.
- 19. Compounds with IRIS Health Fact Summary Sheets: Acetochlor, Acetone, Alachlor ESA, Aldrin, Asulam, Bentazon, Boron, DDE, 2,4 -dichlorophenol, 1,3 -Dichloropropene (telone or 1,3-D), Dieldrin, Dimethoate, 2,4-dinitrophenol, 2,4- dinitrotoluene, 1,2-diphenylhydrazine, Diuron, Disulfoton, EPTC (s-ethyl-dipropylthiocarbonate), Fonofos, Isopropylbenzene, Linuron, Manganese, Methyl bromide (bromomethane), 2-methylphenol (o-cresol), Metribuzin, Molinate, Nitrobenzene, Prometon, Terbacil, 1,1,2,2-tetrachloroethane, 2,4,6-trichlorophenol, Zinc. 328 pp.
- 20. Compounds with ATSDR Health Summaries: Aluminum, Vanadium. 4 pp.
- 21. Compounds with Health Advisories: Aldrin, Bentazon, Boron, Bromocil, Cyanazine, Diazinon, 1,3-Dichloropropene (telone or 1,3-D), Dieldrin, 2,4-dinitrotolune, Disulfoton, Diuron, Fonofos, Hexachloro-butadiene, Methyl-t-butyl ether (MTBE), Metolachlor, Metribuzin, Naphalene, Phosphorous, Prometon, RDX (cyclo trimethylene trintramine), Terbacil, Terbufos, 1,1,2,2-tetra-chloroethane. 796 pp.
- 22. Perchlorate in Drinking Water, California Department of Health Services Division of Drinking Water and Environmental Management, Drinking Water Program Update, July 1997, and letter from William Thurston to Office of Water regarding perchlorate update. 11 pp.

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E. Responses from stakeholders regarding Contaminant Candidate List

- 1. October 30, 1996 Letter from J. Allen Roberson, AWWA, to Chuck Job and James Taft, OGWDW, re: Contaminant Identification Method with attachment. 2pp + 1 att (12pp).
- 2. December 3, 1996 Letter from Erik Jansson, Department of the Planet Earth, to Evelyn Washington, OGWDW, regarding microbials. 1 pp.
- 3. December 12, 1996 Memo from Brian Cohen, Environmental Working Group, to Cynthia Dougherty, OGWDW, regarding candidate list and proposed contaminants. 5 pp.
- 4. December 19, 1996 Letter from Vanessa Leiby, ASDWA, to Jim Taft, OGWDW, regarding candidate list. 1 pp + 1 att (1pp).
- 5. December 30, 1996 Letter from Erik Jansson, Department of the Planet Earth, to Evelyn Washington, OGWDW, regarding organo tins with attachments. 7 pp + attachments (27 pp).
- 6. January 28, 1997 Letter from American Zinc Association to Evelyn Washington, OGWDW, re: comments. 31 pp.
- 7. February 26, 1997 e-mail from Marcia Bailey, human health risk assessor Region 10, to Evelyn Washington regarding SDWA candidate list. 1pp.
- 8. March 4, 1997 Letter from Lynda Knobeloch, State of Wisconsin, to Evelyn Washington, OGWDW, regarding pesticides and other substances with attachments. 1 pp + 1 att (8pp).
- 9. March 7, 1997 record of three phone calls from Regions and States RE: Contaminant Candidate List. 1 pp.
- 10. March 17, 1997 Memo from Ruth Israeli et al, RCRA-Superfund Ground-Water forum to Evelyn Washington, OGWD, regarding candidate list suggestions. 2 pp.
- 11. March 17, 1997 Letter from Erik Jansson, Department of the Planet Earth, to Evelyn Washington, OGWD, regarding aluminum with attachments. 6 pp + 30 att (452pp).
- 12. March 18, 1997 letter from John Sullivan of American Water Works Association to Evelyn Washington, OGWDW, regarding Draft Drinking Water Contaminant Candidate List (DWCCL). 2 pp.

- 13. March 18, 1997 letter from John Sullivan, Director, American Water Works Association to Evelyn Washington, OGWDW, regarding Method CIM and the draft CCL. 5 pp + 2 att (36 pp).
- 14. April 22, 1997 letter from Dirk Kempthorne, U.S. Senator and Fred Thompson, U.S. Senator to Carol Browner, Administrator, EPA regarding zinc and the Contaminant Candidate List. 1 pp + 1 att (1 pp).
- 15. April 24, 1997 Fax from George Vary, American Zinc Association, to Evelyn Washington, OGWDW. 1 pp + 2 att (2 pp).
- 16. April 24, 1997 letter from Julius Ciaccia, President, Association of Metropolitan Water Agencies to Carol Browner, Administrator, EPA regarding Methyl Tert-Butyl Ether (MTBE) in Drinking Water. 2 pp.
- 17. June 8, 1997 Letter from Erik Jansson, Department of the Planet Earth, to Evelyn Washington, OGWD, regarding aluminum with attachments. 1 pp +1 att (78 pp).
- 18. June 2, 1997 email from Amal Mahfouz to office of OGWDW regarding including manganese, molybdenum and zinc to Contaminant Candidate List. 1 pp.
- 19. July 8, 1997 letter from John Sullivan of American Water Works Association to Evelyn Washington, OGWDW, regarding Draft Drinking Water Contaminant Candidate List (DWCCL). 2 pp + 1 att (4 pp).
- 20. August 11, 1997 response from Cynthia Dougherty, Director, OGWDW, to Erik Jansson, Executive Director, Department of Planet Earth. 2 pp.
- 21. August 23, 1997 letter to Cynthia Dougherty, Director, OGWDW, from Erik Jansson, Executive Director, Department of Planet Earth. 8 pp + 1 att (3 pp)
- 22. August 25, 1997 letter from Eric Jansson, Department of Planet Earth, to Robert Perciasepe, Assistant Administrator of Water Office, regarding data gaps for Aluminum in drinking water, Alzheimer and elderly mental impairment. 2 pp + 5 att (31 pp).

Log of Comments* Draft Drinking Water Contaminant Candidate List (in the Docket Files "DDWCCL, W-97-11, I-F1." precedes each of the following log numbers)

Log	<u>Date</u>	Date of							
<u>#</u>	Recd	<u>Letter</u>	<u>Name</u>	Organization Represented	Street Address	City / State	<u>Zip</u>	#Pgs	# <u>Att.</u>
								_	
01	10/22/97	10/15/97	Mark A. Werner	WI Dept. Of Health & Family Serv	1414 E. Washington A	ve. Madison, WI	53703	3	1
			Linda M. Knoabeloch						
02			Erik Jansson	Department of the Planet Earth	P.O. Box 15309 SE Sta	· ·		003	5
03	11/3/97	10/29/97	Neil J. King	Wilmer, Cutler & Pickering O-B-O	2445 M St., N.W. Was	hington, DC	20037		12
				Nickel Develop. Inst., Nickel Producers					
				Environ. Research Assoc., & Inco					
				United States, Inc.					
04	11/4/97	10/27/97	Thomas E. Arizumi	State of Hawaii, Dept. of Health	P.O. Box 3378	Honolulu, Hawaii	96801	2	
05	11/4/97	10/27/97	Rober M. Powell	Board of County Commissioners-	P.O. Box 1780	Clearwater, FL	34617	2	
				Pinellas Co. FL. Pinellas Co. Utilities					
06	11/13/97	//97	Reid Struck	Farmgard Products, Inc.	2724 9th St. East (Glencoe, MN	55336	1	
07	11/19/97	11/17/97	Charles Olson (EMAI	L)	-134 Wallace Ave.	Auburn, MA	01501	1	
08	11/25/97	/97	Erik Jansson	Dept. of the Planet Earth	Box 15309, S.E. Station	n Washington,	DC 200	003	2
09	12/2/97	11/24/97	Jared G. Rubin, Ph.D.		1102 Lincoln, Ste 210	Eugene, OR	97401	2	
			Toxicologist, DEQ						
10	12/2/97	11/20/97	Valerie Betterton	S.C. Dept. of Health & Environ. Control	2600 Bull Street (Columbia, S.C.	29201	3	
11	12/3/97	12/1/97	Diane VanDe Hei	Assoc. Of Metropolitan Water Agencies	1717 K St., NW, Ste 80	01 Washington,	DC 200	36	1
12	12/3/97	12/3/97	Seymour G. Epstein	The Aluminum Association	900 19th St., NW	Washington, DC	20006	2	1
13	12/3/97	12/5/97	Edward J. Kinghorn, J.	r. The Ferroalloys Association	900 2nd St., NE, Ste 20	Washington,	DC 200	002	6
14	12/3/97	EMAIL	Glenn Patterson	U.S. Geological Survey	Rest	on, VA		5	
15	12/4/97	12/2/97	George F. Vary	American Zinc Association 1112 S	Sixteenth St, NW, Ste 24	0Washington, DC	20036	10	5
16	12/3/97	EMAIL	Jack Barbash				1		

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^{*} Hand-delivered or postmarked by Dec. 5, 1997.

17	12/5/97	12/4/97	Daniel M. Byrd III BY EMAIL & Reg. M	Consultants in Toxicology, Risk 1425 4 Mail Assessment & Product Safet		Washington	n, DC 2	20024	4
18	12/5/97	12/4/07	John H. Sullivan	American Water Works Assoc. 1401	•	Washington DC	20005 1	14	
19	12/5/97		Mark D. Beuhler	Metropolitan Water District of S. CA	Box 54153	Los Angeles, CA			
20	12/5/97		John J. Wrubel	-	P.O. Box 400	U ,	08543 <i>5</i>		
				Cyanamid-American Cyanamid Co.					
21	12/5/97		Thomas G. Kugele		West Street	,	45215 4		
22	12/5/97		Thomas J. Parshley	Novartis Crop Production, Inc. P.O. E		,	27419 1	17 11	
23	12/5/97	12/5/9/	John Kneiss	Oxygenated Fuels Association, Inc.	1300 N. 17th St., Ste		2220	0 10	
2.4	10/5/05	10/5/05	C		Rosslyn Station	Arlington, VA	22209		•
24	12/5/97		Courtney M. Price	Chemical Manufacturers Association	1300 Wilson Blvd.	Arlington, VA	22209		2
25	12/5/97		Courtney M. Price	Chemical Manufacturers Association	1300 Wilson Blvd.	Arlington, VA	22209		3
26	12/5/97		Seth D. Tyler	Jellinek, Schwartz & Connolly, Inc.	1525 Wilson Blvd., S		VA 2220	9 13	3
27	12/5/97	12/5/97	John S. Thornton	Bayer Corporation	8400 Hawthorn Road				
					P.O. Box 4913	Kansas City, MO	64120	0 7	
28	12/5/97	11/26/97	Walter J. Bishop	Contra Costa Water District	1331 Concord Ave.,				
					P.O. Box H2O	Concord, CA	94524	4 2	
29	12/5/97	11/24/97	Randy J. Goss	City of Austin Water & Wastewater	Municipal Bldg., 8th	at			
				Utility - Regulatory Services	Colorado, P.O. Box 1	088 Austin, TX	7876′	7 2	
30	12/5/97	12/2/97	Richard L. Hanneman	Salt Institute	700 N Fairfax St, Ste	600 Alexandria,	, VA 2	22314	14
31	12/5/97	12/5/97	Richard L. White	TU Services (Texas Utility Svcs.)	Energy Plaza, 1601 B	ryan St. Dallas, TX		75201	1
32	12/5/97	12/3/97	Barbara J. Kaminski	Zeneca Ag Products	1800 Concord Pike	Wilmington, DE	1985	0 2	
33	12/5/97	12/3/97	Barbara J. Kaminski	Zeneca Ag Products O-B-O	1800 Concord Pike	Wilimington, DE	1985	0 2	
				Acetochlor Registration Partnership		G ,			
34	12/5/97	12/5/97	Kevin W. Brown	State of Utah-Dept. of Envirn. Quality	150 North 1950 West				
				Division of Drinking Water	P.O. Box 144830	Salt Lake City, UT	` {	34114	4
35	12/5/97	12/5/97	Philip L. Strong			• /		11 16	
36	12/5/97		Gail H. Cassell, et al.	American Society for Microbiology	1325 Massachusetts A			20005	3
37	12/5/97		Erik d. Olson (FAX)	Natural Resources Defense Council			-		_
38	12/5/97		,	Brown Reynolds Metals Company	P.O. Box 27003	Richmond, VA	2326		O
39	12/5/97		Daniel Schechter	American Water Works Svc. Co., Inc.	1025 Laurel Oak Roa	,		08043	5
5)	14/3/11	14/7///	Damer Scheenter	American water works sve. co., inc.	1023 Laurer Oak Roa	a vooinces, i	. 10	TOUTS	5

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40	12/5/97	12/3/97	James R. Weise	State of AK, Dept. of Environ. Conserv	. 555 Cordova Street	Anchorage, AK	99501	3	1
				Drinking Water & Wastewater Program	1				
41	12/5/97	12/5/97	Jean-Mari Peltier	California Environ. Protection Agency	1020 N Street	Sacramento, CA	95814	3	
				Dept. Of Pesticide Regulation					
42	12/5/97	12/4/97	William E. Snee	Aluminum Company of America 425 S	ixth Ave., Alcoa Bldg.	Pittsburgh, PA	15219	4	1
43	12/5/97	12/3/97	Ric Erdheim	Nat'l Electrical Manufacturers Assoc.	1300 North 17 th St.,	Ste 1847 Rosslyn,	VA 222	.09	2
44	12/5/97	12/4/97	Janice Warnquist	Crompton & Knowles Colors Inc.	P.O. Box 341			1	
45	12/5/97	12/5/97	Vanessa M. Leiby	Assoc. of State Drinking Water Admin.	1120 Connecticut Av	C,	DC 200	36	4
			•	Č	Suite 1060	,			
46	12/5/97	12/5/97	Brian L. Murphy	Gradient Corporation O-B-O Ensign-	1343 Main St., Ste 30	O2 Sarasota, FL	342	36	4
			1 3	Bickford Company	,	,			
47	12/5/97	12/5/97	Allen Scarborough	Rhone-Poulenc Ag Company	P.O. Box 12014	RTP, NC	27709	2	
48		12/5/97	Andrew J. Klein	Monsanto Company	800 N. Lindbergh Bly	,			4
*Se			W-97-11, I-F2.6	1 3	8	,			
49		12/5/97	Lawrence R. Brecker	Witco Corporation	One American Lane	Greenwich, CT	06831	7	1
50	12/5/97	12/5/97		Louis State of N.J. Dept. of Envirn. Prot	tection P.O. 409	Trenton, NJ	08625	5	
				Div. of Science & Research, Bureau of		,			
				Safe Drinking Water					
51	12/5/97	12/3/97	Carlyn A. Meyer	Water Quality Association	4151 Naperville Road	d Lisle, IL	60532	2	
52	12/5/97		Marilyn B. Haugen	American Forest & Paper Association	1111 19th St., NW, S		DC 200	36	2
53	12/5/97	12/5/97	Douglas M. Roby	DowElanco	9330 Zionsville Road				4
54	12/5/97	12/5/97	Charlie Keefer	BASF Corporation	P.O. Box 13528 Re	1	,		3
55	12/5/97	12/5/97	Charlie Keefer	BASF Corporation	P.O. Box 13528 Re				4
56	12/5/97		Joe Carpenter	<u> </u>			nta, GA 303		2
57	12/5/97	12/3/97	Duncan Gilroy	Oregon Dept. of Human Resources	800 NE Oregon Stree		,	4	19
			J	Oregon Health Division	8	,			
58	12/5/97	12/5/97	Lori Bestervelt		Box 130140	Ann Arbor, MI	48113	3	4
59	12/5/97		Nolton G. Johnson	Georgia Dept. of Natural Resources	205 Butler Street, S.F.			2	-
	'	•		5 1	East Floyd Tower	, ,,			
60	12/5/97	12/5/97	David P. Spath/Alexis	Milea State of CA, Dept. of Health Svcs	•	Berkelev, CA 9	4704 1		
				,					

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61	12/5/97 12/4/97	Willie R. Taylor	U.S. Dept. of the Interior	Office of the Secretary	Washington, DC	20240 5		
62	12/5/97	David Y. Terry	Commonwealth of MA, Dept.	One Winter Street	Boston, MA	02108 3		
63	12/5/97 12/4/97	Michele J. Whiteley	Koch Chemical Company	4111 East 37th St., North	Wichita, KS	67220 5		
64	12/5/97 12/4/97	John T. Wierenga	City of Grand Rapids, MI	17350 Lake Michigan Dr.	West Olive, MI	49460 4		
			of Environmental Protection	(M-45)				
65	12/5/97 12/5/97	Nancy Kim	State of NY, Dept. of Health	II University Place	Albany, NY	12203 4	2	
66	12/5/97 12/4/97	Chris Hughes	Oregon Dept. of Human Resource	ces 800 NE Oregon Stree	et #21 Portland, o	OR 97232	2	2
		_	Oregon Health Division	_				

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