SOR 11 les Parts 20 15 ECRETARY UNITED STATES ATOMIC ENERGY COMMISSION WASHINGTON D. . 20545 OT RECORD COPY DEC 2 1970 Chairman Seaborg Commissioner Ramey Commissioner Johnson Commissioner Larson PROPOSED PROGRAM FOR CONSULTING WITH NUCLEAR INDUSTRY AND ENVIRONMENTAL GROUPS ON MORE DEFINITIVE CRITECIA FOR NUCLEAR POWER PLANT WASTE TREATMENT FACILITIES TO KEEP LEVELS OF RADIOACTIVITY IN EFFLUENTS AS LOW AS PRACTICABLE In line with my recent discussions with the Commission, we are arranging a series of meetings in January 1971, with representatives of the nuclear power industry and environmental groups to discuss the feasibility of establishing more definitive criteria for design objectives for nuclear power plant waste treatment systems to keep levels of radioactivity in effluents as low as practicable. The proposed schedule for these meetings is as follows: 1. January 4 thru 15 - Separate meetings with each of the power reactor supplies, that is, Atomics International, Babcock and Wilcox, Combustion Engineering, Gulf Atomic, General Electric and Westinghouse. January 14 - A meeting is being scheduled with representatives from national environmental and conservation groups to discuss the implementation of NEPA, high level waste policy, and the amendments to Parts 20 and 50, including the development of more definitive criteria. This meeting was discussed in my memorandum to the Commission dated December 7, 1970. Attached as Appendix I is a list of the environmental groups that will be invited. 3. Week beginning January 17 - A group meeting will be held with the major architect-engineering firms in the power reactor field. 4. Week beginning January 24 - A meeting will be held with a select group of utilities. Attached as Appendix II is a draft letter and a list of questions that we propose to send to the listed power reactor suppliers, architectengineering firms and utilities (Appendix III) during the week of December 27. We propose to invite the new Environmental Protection Agency to send one or two observers to the group meetings. Chap 13 X-Dom 6- Reg

Commissioners - 2 -Based on information and views developed in these discussions, the staff will prepare draft criteria for Commission consideration. At that time the Commission may wish to consider whether additional consultation with interested groups is desirable prior to publishing the criteria for public comment. I'm are discussing the public announcement aspect of this with the Division of Public Information. We plan to issue a public announcement generally covering all of the meetings at the same time the letters are sent out. I would like to discuss this with the Commission at the December 23 Information Meeting. (signed) Harold L. Price Harold L. Price Director of Regulation cc: General Manager, General Counsel (2 Secretary (2) Attachments: - List of Tentative Invitees - Environmental Groups Appandix I - Draft letter to power reactor suppliers, architect-Appendix II engineering firms and utilities with list of questions Appendix III - List of Tentative Invitees - Power Reactor Suppliers, Architect-Engineers, and Utilities

APPENDIX I LIST OF TENTATIVE INVITEES ENVIRONMENTAL GROUPS Dr. Fred G. Everden Mr. William Siri Executive Director Vice President, Sierra Club Wildlife Society 235 Massachusetts Ave., N.E. 2900 Wisconsin Avenue, N.W. Washington, D.C. 20002 Washington, D.C. 20016 Mr. Wallace D. Bowman Mr. Thomas L. Kimball Assistant Chief Executive Director Environmental Policy Division National Wildlife Federation Legislative Reference Service 1412 16th Street, N.W. Library of Congress Washington, D.C. 20036 Washington, D.C. 20540 Mr. Richard H. Stroud Isaak Walton League of America Executive Vice President 719 13th Street, N.W. Sport Fishery Institute Washington, D.C. 20005 Suite 503 719 13th Street, N.W. Dr. Thomas Ripley Washington, D. C. 20005 Director of Forestry & Wildlife Services Division of Forestry Mr. Allen V. Kneese Fisheries and Wildlife Development, TVA Director, Quality of Environment Norris, Tennessee 37827 Program Resources for the Future Dr. Elvis J. Stahr, President 1755 Massachusetts Avenue, N.W. National Audubon Society Washington, D. C. 20036 1130 Fifth Avenue New York, New York 10028 Mr. James N. Smith Director of Conservation Services The Conservation Foundation 1250 Connecticut Avenue, N.W. Washington, D.C. Mr. Stuart M. Brandborg Executive Director Wilderness Society 729 15th Street, N.W. Washington, D.C. 20005

APPENDIX II DRAFT LETTER TO POWER REACTOR SUPPLIERS, ARCHITECT-ENGINEERING FIRMS, AND UTILITIES! FOR MEETINGS ON MORE DEFINITIVE GUIDANCE - CONTROL OF EFFLUENTS Enclosed is a copy of a notice of rule making amending the Commission's regulations 10 CFR Parts 20 and 50, regarding the control of releases of radioactivity to the environment. These amendments were published in the Federal Register on December 3, 1970, and become effective on January 2, 1971. As indicated in the notice, the Commission recognizes the desirability of developing more definitive guidance in connection with the amendments and is initiating discussions with the nuclear power industry, environmental organizations and other groups to achieve this goal. During the first two weeks in January 1971, we plan to meet individually with each of the power reactor suppliers. At these meetings we propose to discuss the questions on the enclosed list which deal with existing technology for minimizing radioactivity in effluents, efficiencies of waste treatment equipment, equipment operating difficulties, cost, need for operating flexibility, and other subjects pertinent to criteria for design objectives. Enclosed also is a tentative agenda for the meeting. You are invited to designate not more than ____ members of your organization to meet with us in Room No. ___ of the Commission's offices at Bethesda, Maryland, at 9:30 A.M., on January _ , 1971, to discuss To be modified as appropriate for each group meeting.

APPENDIX II the feasibility of developing definitive criteria on design objectives to limit radioactivity in effluents from nuclear power plants. We shall appreciate your informing us of the names of your designated representatives. Sincerely, Harold L. Price Director of Regulation Enclosures: 1. Notice of rule making 2. List of questions 3. Tentative agenda

LIST OF QUESTIONS 1. In connection with the amendments to 10 CFR Parts 20 and 50 published in the Federal Register on December 3, 1970, do you believe it is destrable to develop more definitive criteria for design objectives for nuclear power plant waste treatment systems to keep levels of radioactivity in effluents as low as practicable? If the answer to Question 1 is yes, would you favor: a. Development of waste treatment equipment requirements; or b. Development of numerical criteria? 3. If you favor more definitive criteria in terms of waste treatment equipment requirements, what would you propose on the basis technology already in commercial use? 4. If you favor the levelopment of numerical criteria, would it be in the form of: quantity of radionuclides released? concentrations of radionuclides in effluents at the point of release on-site? concentrations of radionuclides in the environment? annual exposures to individuals offsite? average annual intake guides for population groups? annual exposures to population groups offsite? Ť. annual average exposure to the whole population (man rems)? h. other? (specify) 5. If more definitive criteria were to be derived in any one of the above categories on the basis of available technology not yet in routine use, what equipment or numerical criteria would you propose as appropriate?

APPENDIX III

LIST OF TENTATIVE INVITEES

POWER REACTOR SUPPLIERS

- 1. Atomics International
- 2. Babcork and Wilcox
- 3. Combustion Engineering
- 4. Gulf Atomic
- 5. General Electric
- 6. Westinghouse

APPENDIX III LIST OF TENTATIVE INVITEES ARCHITECT-ENGINEERS Mr. Harvey Brush, Vice President Beclitel Corporation Fifty Beal Street San Francisco, California 94119 Mr. George L. Morris, Vice President & Manager Power Plant Engineers Department Brown & Root, Inc. P. O. Box 3 Houston, Texas 77001 Dr. S. Baron, Vice Pesse t, Engineering Burns and Ros, Inc. Tho Kirderkamack Coau Orau. 11, New Jersey 07649 Mr. L. F. C. Reichle, Vice President Nuclear Engineering and Special Projects Ebasco Services, Inc. 2 Rector Street New York, New York 10006 Mr. W. A. Chittenden, Partner Sargent & Lundy 140 South Dearborn Street Chicago, Illinois 60603 Mr. J. L. Kennedy, Chief Nuclear Engineer Stone & Webster Engineering Corporation 225 Franklin Street Roston, Massachusetts 02107 Mr. Harold E. Vann Vice President - Power United Engineers & Constructors, Inc. 1401 Arch Street Philadelphia, Pennsylvania 19105 Mr. Rubel Thomas Southern Services, Inc. P. O. Box 2641 Birmingham, Alabama 35202

APPENDIX 111

LIST OF TENTATIVE INVITEES

UTILITIES

Region	<u>Utility</u>
1. Northeast	Yankee Atomic Electric Company Philadelphia Electric Company Consolidated Edison Company
2. East Central	Consumers Power Company of Micnigan
3. Southeast	Tennessee Valley Authority Duke Power Company Florida Power & Light Company
4. West Central	Commonwealth Edison Company Omaha Public Power District
5. South Central	Arkansas Power and Light Company
6. West	Los Angeles Department of Water and Power Pacific Gas and Electric Company Southern California Edison