



UNITED STATES
NUCLEAR REGULATORY COMMISSION
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MEMORANDUM FOR: A. H. Spano, Special Assistant
for International Research Program, RES

FROM: Donald E. Solberg, Chief
Systems Performance Research Branch
Division of Safeguards, Fuel Cycle
and Environmental Research

SUBJECT: NOMINATION OF REPRESENTATIVES TO AIR CLEANING
SYSTEMS EXPERT GROUP

OECD is proposing to establish an Air Cleaning Systems Expert Group as indicated in a letter from J. P. Olivier to J. G. Wilhelm (Enclosure). This is a continuation and consolidation of an experts meeting in Karlsruhe, Germany at which the NRC sponsored Mr. J. T. Collins (NRC staff, Deputy Director of TMI Operations) and Dr. W. S. Gregory (LASL manager on two related NRC-sponsored research projects).

The purpose of this memorandum is to request that Dr. Gregory be one of the U.S. nominees to this expert group. His research for us as well as for DOE gives him both an expert status as well as access to a continuously developing related data base. His interaction with other experts as well as knowledge gained of foreign research through his participation in the OECD-sponsored expert group should be beneficial to attaining NRC goals in this area of research. Thus I believe that it would be acceptable to fund foreign travel for Dr. Gregory once or twice each year from our ongoing research projects at LASL.

Would you please make this nomination through appropriate channels.

Donald E. Solberg
Donald E. Solberg, Chief
Systems Performance Research Branch
Division of Safeguards, Fuel Cycle
and Environmental Research

Enclosure: 1tr J. P. Olivier
to J. G. Wilhelm dtd 12/19/79

cc: W. S. Gregory, LASL
J. T. Collins ✓

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19th December 1979

Dear Mr Wilhelm,

This is to inform you of the latest developments in our proposed activities concerning the behaviour of air cleaning systems under accident situations.

Based on a presentation made by Mr Jouannaud, the NEA Committee on the Safety of Nuclear Installations (CSNI) approved, at its November meeting, the setting up of a small Expert Group in this field, with slightly modified terms of reference as compared to those suggested as a conclusion of the Karlsruhe specialist meeting. These new terms of reference, a copy of which is attached, no longer include co-ordination as one of the main tasks of the Group. CSNI considered that this function would possibly extend the role of the Group too broadly, and preferred to omit it. However, the essential point, as I see it, is to approach the question of air cleaning in accident situations in an organised and constructive way, and that is what the Group will be asked to do.

We have, therefore, taken the necessary steps to set up the Expert Group by inviting CSNI Delegates from France, the F.R. of Germany, the United Kingdom and the United States to nominate suitable representatives by

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Mr J G Wilhelm
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and Filter Technology
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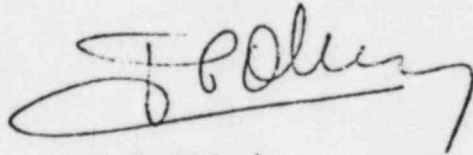
1st February 1980. We have also suggested that perhaps Belgium, Canada, Japan and the Netherlands might like to take part. From the discussion during the Karlsruhe meeting, it does not seem that other countries are in a position to actively contribute.

I hope to take the opportunity at the joint AIEA/NEA international symposium on the management of gaseous waste on 18th-22nd February 1980 in Vienna to meet some of the nominated members of the Expert Group and start preparing for the first meeting.

I am copying this letter to the Chairman and Scientific Secretaries of the Karlsruhe meeting for their information.

With best personal regards,

Yours sincerely,



J-P Olivier
Nuclear Safety Division

cc: Mr C Jouannaud, France
Mr de Montaignac, France
Mr T E Blackman, UK
Mr L Clark, UK
Mr J J Hillary, UK
Mr J Collins, US
Dr W Gregory, US

Prof. A Birkhofer, F.R. of Germany
German Delegation to the OECD

COMMITTEE ON THE SAFETY OF NUCLEAR INSTALLATIONS

Group of Experts on Air Cleaning

Terms of Reference

[Extracted from SEN/SIN(79)647

The tasks given to the small Group of Experts on Air Cleaning shall be the following:

- (i) review the performance of off-gas cleaning systems in accident conditions;
- (ii) collect information about operating experience with these systems;
- (iii) seek to establish common principles for the design of off-gas systems;
- (iv) review methods used in the different countries for testing filters from the standpoint of accident conditions;
- (v) suggest specific mechanisms for improving co-operation, with regard, for example, to filter testing.