

November 8, 2000

MEMORANDUM TO: Chairman Meserve  
Commissioner Dicus  
Commissioner Diaz  
Commissioner McGaffigan  
Commissioner Merrifield

FROM: Janice Dunn Lee, Director  
Office of International Programs

SUBJECT: NRC VISIT OF ANNICK CARNINO, DIRECTOR , DIVISION OF  
NUCLEAR INSTALLATION SAFETY, DEPARTMENT OF  
NUCLEAR SAFETY, INTERNATIONAL ATOMIC ENERGY  
AGENCY, NOVEMBER 15, 2000

Ms. Annick Carnino, Director, Division of Nuclear Installation Safety in the Department of Nuclear Safety at the International Atomic Energy Agency (IAEA), plans to visit Washington the week of November 13, 2000, for the ANS winter meeting. During that time, she has asked to meet with NRC Commission members to discuss IAEA plans for 2001 and beyond in her division, and other topics. The present schedule for appointments follows:

Meeting Schedule for Annick Carnino, November 15, 2000

08:45 to 09:15	Commissioner Merrifield
10:00 to 10:30	Ashok Thadani
11:00 to 11:30	Chairman Meserve
1:00 to 1:30	Commissioner Dicus
1:30 to 2:00	Commissioner Diaz
2:00 to 2:30	Commissioner McGaffigan

Attached for your information is a brief description of activities in the Division of Nuclear Installation Safety as well as biographical information on Ms. Carnino. If there is additional interest in scheduling a meeting with Ms. Carnino, please contact Charles Serpan (415-2341) of my staff to make arrangements.

Attachments: 1. Biographical Information  
2. Department of Nuclear Safety Program activities  
3. Talking Points

cc: SECY OGC  
EDO NRR  
NMSS RES  
IRO

CONTACT: C. Serpan, OIP  
415-2341

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### Biographical Information: Annick Carnino

Annick Carnino was born in Ussel, France. After completing her secondary education in Beirut, Lebanon, she attended and graduated from the Ecole Supérieure d'Electricité in Paris, where she received her first engineering degree in electricity and electronics in 1962. She went on to receive her second degree in nuclear engineering in 1963 in Saclay, France from the Institut des Sciences et Techniques Nucleaires.

From 1963 to 1981, Ms. Carnino worked for the French Atomic Energy Commission, where she performed safety experiments on the Cabri reactor for Pressurized Water Reactors, Fast Breeder Reactors and Gas Graphite Reactors, provided technical support to the French Safety Authority, developed probabilistic safety assessments for the nuclear industry, developed human factors consideration in PSA and in operation, and did the co-ordination and budgeting of safety activities in research and development.

From 1982 to 1990, Ms. Carnino worked at the Electricité de France at the General Inspection of the Direction Generale for the Safety and Security of EDF nuclear installations. Her duties included: management of the EDF PSA on PWR 1300 MW, event investigations in the field, especially when human factors were involved, internal audits and inspections, development of safety culture and human factors, participation in training and accident procedure development and security measures for NPPs.

Ms. Carnino joined the Agency in July 1990 as a special assistant to the Director of Nuclear Safety Division. The tasks assigned to her allowed her to participate in the International Chernobyl Project as task leader and in the design and operation safety review missions on Soviet designed reactors. In March 1993, she was appointed Head of the Safety Standards and Co-ordination Section where her activities were inter alia, safety standards, management of International Safety Advisory Group (INSAG) and Nuclear Safety Advisory Group (NUSSAG), development of Nuclear Safety Convention and co-ordination of technical co-operation projects for the Division of Nuclear Safety.

In July 1996, Ms. Carnino was appointed Director of the Division of Nuclear Installation Safety. The Division promotes the achievement and maintenance of required levels of safety performance in nuclear installations through development of safety documents, assistance in performing safety assessments, collection and dissemination of information on safe operational practices and the provision of peer review safety services.

In June 2000, Ms. Carnino was awarded the Tommy Thompson Award for her outstanding contributions in the areas of reliability design, analysis, human factors, probabilistic safety assessment and development of safety culture, as well as for her leadership in improving the safety of nuclear installations worldwide, especially in developing countries and in eastern Europe.

Program of Work for the IAEA Division of Nuclear Installation Safety, 2002-2003

The draft program of work for the IAEA Division of Nuclear Installation Safety is contained in document MP3/2002-2003, dated August 25, 2000, titled "Nuclear Safety and Protection Against Radiation." The program contains the following elements:

- Regulatory infrastructure for nuclear safety
- Development of safety assessment methods and tools
- Engineering safety of innovative and evolutionary nuclear power plants
- Engineering safety of existing nuclear installations
- Operational safety
- Research reactor safety
- Safety of fuel cycle installations
- Fostering harmonization in nuclear safety

Highlights of the new draft program include a more robust emphasis on research reactor safety, a new subprogram on safety of fuel cycle installations including production of a new safety requirements document, and a compilation of experience using risk-informed procedures for managing safety.

## TALKING POINTS

IAEA Planning for 2001 and beyond in the Safety of Nuclear Installations Division

Background Ms. Carnino's Division is placing increased emphasis on several areas of international safety work including initiatives on research reactors and fuel cycle facilities, and a compilation of Member State experience in use of the risk-informed process for nuclear power plant engineering and regulation. She may wish to determine the extent of NRC's possible interest and involvement in these and other future activities. In the conduct of work at the IAEA, many projects must be conducted across internal organizational boundaries, but those organizations do not always see eye-to-eye on how to proceed.

### Suggested Talking Points:

- What has been the international experience from use of the risk-informed process for regulatory and engineering judgements? Has there been much resistance? Which countries? Any reasons offered for or against? Is there any help that NRC can offer the IAEA regarding development and application of "risk-informed"?
- The resolution on The Safety of Nuclear Research Reactors at the September General Conference was circumspect on the issue of an international instrument on the safety of civil research reactors. What are your plans to bring such an instrument into being, and when might experts convene to begin discussion of the options?
- We continue to hear references to DG ElBaradei's "one House" philosophy to break down organizational barriers and gain better inter-departmental cooperation. As a case in point, how are the current relations between your Division and the Technical Cooperation Department regarding the management of safety-related TC projects? With the Nuclear Energy Department?