

April 15, 2008

MEMORANDUM TO: Chairman Klein  
Commissioner Jaczko  
Commissioner Lyons  
Commissioner Svinicki

FROM: Margaret Doane, Director */RA Scott W. Moore for/*  
Office of International Programs

SUBJECT: VISIT OF SHIZUYO KUSUMI, COMMISSIONER OF THE JAPAN  
NUCLEAR SAFETY COMMISSION, APRIL 17, 2008

Shizuyo Kusumi, Commissioner of the Japan Nuclear Safety Commission, is making a visit to the Commission (NSC) on Thursday April 17, 2008. She will be accompanied by Dr. Niwa Ohtsura, Deputy Director, Research Center for Charged Particle Therapy National Institute of Radiological Science, Dr. Inokuchi Tsuyoshi, Officer for Nuclear Safety Review, Radiation Protection and Accident Management Division, NSC, and Mr. Mitsuyuki Ueda, First Secretary, Science Section, Embassy of Japan in the United States of America

The purpose of this visit is to discuss current nuclear safety issues that are of concern to Japan and the U.S. The visit schedule, biographical information, background and suggested talking points, and country profile are in Enclosures 1-4.

By copy of this memorandum, SECY, OGC, EDO, OPA, NRR, NRO, RES, FSME, NMSS, and NSIR are also being advised of Commissioner Kusumi's meeting schedule.

Enclosures:

1. Visit Schedule
2. Biographical Information
3. Suggested Talking Points
4. Country Profile

cc: SECY  
OGC  
EDO  
OPA  
NRR  
NRO  
RES  
FSME  
NMSS  
NSIR

CONTACT: Kirk Foggie, OIP  
301-415-2238

April 15, 2008

MEMORANDUM TO: Chairman Klein  
Commissioner Jaczko  
Commissioner Lyons  
Commissioner Svinicki

FROM: Margaret Doane, Director */RA Scott W. Moore for/*  
Office of International Programs

SUBJECT: VISIT OF SHIZUYO KUSUMI, COMMISSIONER OF THE JAPAN  
NUCLEAR SAFETY COMMISSION, APRIL 17, 2008

Shizuyo Kusumi, Commissioner of the Japan Nuclear Safety Commission, is making a visit to the Commission (NSC) on Thursday April 17, 2008. She will be accompanied by Dr. Niwa Ohtsura, Deputy Director, Research Center for Charged Particle Therapy National Institute of Radiological Science, Dr. Inokuchi Tsuyoshi, Officer for Nuclear Safety Review, Radiation Protection and Accident Management Division, NSC, and Mr. Mitsuyuki Ueda, First Secretary, Science Section, Embassy of Japan in the United States of America.

The purpose of this visit is to discuss current nuclear safety issues that are of concern to Japan and the U.S. The visit schedule, biographical information, background and suggested talking points, and country profile are in Enclosures 1-4.

By copy of this memorandum, SECY, OGC, EDO, OPA, NRR, NRO, RES, FSME, NMSS, and NSIR are also being advised of Commissioner Kusumi's meeting schedule.

Enclosures:

1. Visit Schedule
2. Biographical Information
3. Suggested Talking Points
4. Country Profile

cc: SECY OGC EDO OPA NRR NRO RES FSME NMSS NSIR

CONTACT: Kirk Foggie, OIP  
301-415-2238

DISTRIBUTION:

OIP r/f K Foggie, OIP

DOCUMENT NAME: G:\Countries\JAPAN\B) Visitors to NRC\Kusumi\Kusumi Briefing Memo.doc  
ADAMS Accession No.: **ML081060546**

Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

OFFICE	OIP/ICA	OIP/ICA/BC	OIP/DD	OIP/D
NAME	K Foggie (CRosales-Cooper For)	C Abrams	S Moore	M Doane (SMoore for)
DATE	4/14/08	4/15/08	4/15/08	4/15/08

OFFICIAL RECORD COPY

NRC VISIT OF  
SHIZUYO KUSUMI  
NUCLEAR SAFETY COMMISSION

Schedule

Thursday April 17, 2008

10:00am-10:30am    Commissioner Jaczko

10:30am-11:00am    Commissioner Svnicki

Note: Chairman Klein and Commissioner Lyons are out of the country during this time.

Accompanied by

Dr. Niwa Ohtsura, Deputy Director, Research Center for Charged Particle Therapy  
National Institute of Radiological Science, Dr. Inokuchi Tsuyoshi, Officer for Nuclear Safety  
Review, Radiation Protection and Accident Management Division, NSC, and  
Mr. Mitsuyuki Ueda, First Secretary, Science Section, Embassy of Japan in the United States of  
America

Purpose of visit

To discuss current nuclear safety issues that are of concern to Japan and the U.S.

## Personal Profile

### **Shizuyo Kusumi, M.D.**

Dr. Shizuyo Kusumi graduated from the Faculty of Medicine, Hiroshima University, Japan, and received a medical doctor's license in 1972. She worked as a hematologist for the Research Institute for Radiation Biology and Medicine (RIRBM) of Hiroshima University. Dr. Kusumi received a Doctor's degree in Medical Sciences from Hiroshima University in 1985 and the certificate of Doctor of Hematology in 1986.

Dr. Kusumi joined the Radiation Effects Research Foundation (RERF) in Hiroshima, a United States (USA)-Japan joint research organization for contributing to the health and welfare of the atomic-bomb survivors and to the enhancement of the health of mankind, as a Deputy Director of the Clinical Department in 1988.

Dr. Kusumi was a member of the International Chernobyl Project team of the International Atomic Energy Agency (IAEA) in 1990. She also participated in the Chernobyl Project of the World Health Organization (WHO). From 1994 to 1995, she worked as a visiting researcher for the Fred Hutchinson Cancer Research Center in Seattle, USA, which is well-known in the field of bone marrow transplantation.

Dr. Kusumi was assigned as Deputy Director of the Radiation Epidemiology Center, the Radiation Effects Association of Japan, Tokyo, in 1996. She conducted an epidemiological study of the nuclear industry workers in Japan in cooperation with the International Association for Research on Cancer (IARC) and conducted a health effects study of the residents around the former nuclear test site of Semipalatinsk, Kazakhstan. She was also a lecturer for the Tokyo Institute of Technology.

Dr. Kusumi's major is in hematology and radiation epidemiology. She is interested in radiation effects on human health and life. She has published over 100 articles and books in the field of hematology and radiation effects on human beings. She has received several awards for medical excellence.

Dr. Kusumi was appointed as a Commissioner of the Nuclear Safety Commission of Japan in April 2004.

## Background and Suggested Talking Points

### **Background**

#### **Physical Protection/Security Discussions**

A difficulty in discussing nuclear plant protection and security with the Japanese is the lack of a government-to-government Agreement for the Exchange of Classified Information. Japanese legislation lacks a regime to identify, handle and protect “classified” information. During the current Diet session, both the Upper and Lower House voted on legislation to create a classification system.

#### Talking Points:

- Inquire about the status of legislative action taken to create a regime to identify, handle and protect “classified” information, and foreign government information passed in confidence.

### **Background**

#### **LWRs, ABWRs and FBRs**

Japan is currently operating 55 LWRs (23 PWRs and 32 A/BWRs). Their fleet also includes three operating ABWRs, and two more are under construction. A considerable development program for Fast Breeder Reactors has also been established, including test and prototype FBRs and complete fuel cycle support.

#### Talking Points:

- Inquire about current plant performance.
- Inquire about the recent delay in the schedule for the new plants to be finished and brought online.
- Offer an overview on the status of operating plants in the US.
- Offer the latest on the number of applications for new plant licenses the NRC may receive.
- Inquire about recent Japanese government approval for new nuclear power units.
- Inquire about the Nuclear and Industrial Safety Agency’s (NISA) work to prepare for GEN IV technology.

### **Background**

In April 2005, NRC (through the US Embassy) provided NISA with a complete background package of information on the NRC’s and industry’s Access Program to nuclear facilities (a copy of the material was also provided to the Nuclear Safety Commission (NSC). In February 2006 a delegation led by NISA officials was briefed on vulnerability assessments of nuclear power plants by NRC staff. The Commission has given its approval for Safeguards Information to be shared with the Japanese Government.

## Talking Points:

- Provide an overview of steps taken by NRC to strengthen nuclear plant security, enhance coordination, enhance emergency preparedness, and increase security for radioactive materials.
- Inquire about steps taken to strengthen security requirements and enhance coordination at Japan's nuclear facilities.
- Inquire about actions being taken to increase control of plant access and plant security.