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AUTHOR: Yutaka Sagayama
AFFILIATION: FG&IG
ADDRESSEE: CHRM Gregory Jaczko
SUBJECT: Letter to Yutaka Sagayama, JAEA, responds and declines invitation to participate in workshop on future licensing of next generation sodium fast reactors

ACTION: Appropriate
DISTRIBUTION:

LETTER DATE: 10/01/2009
ACKNOWLEDGED: No
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NOTES:

FILE LOCATION: ADAMS

DATE DUE: **DATE SIGNED:**



Japan Atomic Energy Agency (JAEA)

Date: 1 October 2009

Dr. Gregory B. Jaczko
Chairman
U.S. Nuclear Regulatory Commission
Mail Stop O-16G4
Washington, DC 20555-0001
USA

Dear Chairman Jaczko,

On April 14, 2008, then Chairman Klein, along with other senior members of the NRC, attended a meeting with counterparts of the French and Japanese nuclear safety authorities, including President Lacoste and Commissioner Soda. The meeting was hosted by the Executive Committee representatives of the French, Japanese and U.S. research agencies (CEA, DOE, JAEA) to discuss future licensing of next generation sodium fast reactors (SFR).

I am writing to invite you to resume our discussions on this topic. At the previous meeting it was agreed that continuing the dialog would be beneficial, and a workshop was proposed to discuss past experience in SFR development and exchange views on issues that may affect future SFR licensing. The future benefit of these discussions is to seek harmonization, where appropriate, on high level safety principles, requirements or approaches.

The workshop participants would include decision makers in charge of the SFR prototype harmonization project (CEA, DOE, JAEA), specialists in charge of SFR safety design/assessment/R&D and safety authorities from the United States, France and Japan.

I would be very grateful to you if you could take part in this workshop, by attending the closed meeting, which would be held in Kyoto, December 8-9, 2009 on the sidelines of IAEA FR'09 conference. A tentative agenda is enclosed, and additional logistical details will follow.

Thanking you in advance for your precious contribution, and looking forward to hearing from you.

Sincerely yours,

A handwritten signature in cursive script, appearing to read 'Y. Sagayama', written in dark ink.

Yutaka Sagayama

Assistant to President
Japan Atomic Energy Agency

Japan Atomic Energy Agency (JAEA)



cc: Mr. Michael Mayfield (USNRC)
Dr. Pete Lyons (USDOE)
Mr. Jacques Bouchard(CEA)

Enclosures

- A tentative agenda
- Minutes of meeting on April 14, 2008

Proposed Agenda
Sodium Cooled Fast Reactor Prototype Harmonization
1st Joint Workshop with Safety Authority
Location: International Conference Centre Kyoto, Japan
Date: December 8-9, 2009

1st Workshop : SFRs Past, Present, and Future

December 8
14:00-17:30

- Welcome and introductions for this workshop
- Presentation of long-term objectives of interactions with safety authorities in the framework of Sodium Cooled Fast Reactor Prototype Harmonization
- Overview of SFR history in each country with emphasis on interaction with safety authorities

J: - JAEA
Monju

US: - DOE
FFTF, Clinch River Breeder Reactor, PRISM/SAFR

FR: - CEA
Phenix, SPX1, SPX2

- Overview of national program for SFR development including safety approach/options, research and development priorities and timetable

US: - DOE
AFCI - Gen-IV SFR

FR: - CEA
ASTRID project

J: - JAEA
FaCT project - JSFR

December 9

9:00-12:00

- Mission and requirements for an Advanced Fast Reactor Prototype – CEA/DOE/IAEA
 - Current state of Advanced Reactor Regulation including SFR and potential areas for harmonization
 - Potential areas to explore might include:
Fundamental safety principles, Approach to severe accidents, In-service Inspection and Repair, Event category and safety evaluation, Deterministic and/or probabilistic risk assessment, Sodium chemical reaction, Seismic design, Malevolent act mitigation, Codes and Standards
- FR: -ASN
J: -NSC
US: -NRC
- Path forward (All)
 - Action items
 - Envisioned outputs/outcomes from future workshops
 - Schedule and agenda for subsequent workshops

Note 1: the duration of each item still needs to be determined.

Note 2: Dinner for this workshop is not scheduled because the banquet for FR'09 conference will be planned on the evening of 8th December.

**Harmonisation of Na-FBR prototypes
Minutes of the Meeting between
The Executive Committee and the
Safety Authorities from US, France and Japan**

Date and time: April 14th, 2008, from 16:00 to 18:00
Location: IAEA, Vienna (Meeting room F0817 – Bldg F, 8th Floor)

Participants

Safety Authorities:

NRC: Mr. Dale KLEIN (Chairman)
Mr. Paul DICKMAN (Chief of Staff for the Chairman)
Mr. Luis REYES (Executive Director of Operations)
Mr. Bill BORCHARDT (Director, Office of new reactors)
Mrs. Margaret DOANE (Director of International Programs)
ASN: Mr. André-Claude LACOSTE (President)
Mr. Jean-Christophe NIEL (Director-General)
Mrs. Isabelle FOREST (Deputy Director)
NISA: Mr. Akira FUKUSHIMA (Deputy Director-General for safety examination)
NSC: Mr. Kuniyoshi SODA (Commissioner)

USDOE:

Mr. Paul LISOWSKI
Mr. Sal GOLUB
Mr. John HERCZEG
Mr. Craig WELLING

CEA:

Mr. Jacques BOUCHARD
Mr. Jean-Louis CARBONNIER
Mr. Sunil FELIX

JAEA:

Mr. Yutaka SAGAYAMA
Mr. Kazumi AOTO
Mr. Ryodai NAKAI
Mr. Takashi YOSHIKAWA

METI:

Mr. Harushige OGOSHI

MEXT:

Mr. Ryosuke MURAYAMA

Agenda items

16:00 – 16:10	Introductory remarks	<i>Jacques BOUCHARD + Safety Authorities</i>
16:10 – 16:40	Presentation of the 3 national programs on Na-FBR Prototypes	<i>(10 minutes/country) Paul LISOWSKI Jean-Louis CARBONNIER Yutaka SAGAYAMA</i>
16:40 – 16:50	Presentation of Harmonization Project	<i>Jacques BOUCHARD</i>
16:50 – 17:05	Views from the Safety Authorities	<i>ASN, NRC, NSC, NISA</i>
17:05 – 18:00	Discussion	<i>All</i>