

THE FUKUSHIMA MINISTERIAL CONFERENCE ON NUCLEAR SAFETY

FUKUSHIMA PREFECTURE - JAPAN

LESSONS LEARNED FROM THE FUKUSHIMA DAI-ICHI NPP ACCIDENT: SOME OBSERVATIONS

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SAFETY STANDARDS

- **REVIEW PERIODICALLY, REVISE AS APPROPRIATE, AND STRENGTHEN THE IAEA SAFETY STANDARDS REMAIN IMPERATIVE**
- **HOWEVER THE ROOT CAUSES OF FUKUSHIMA NPP ACCIDENT WERE NOT DUE TO WEAKNESS OR DEFICIENCIES OF IAEA SAFETY STANDARDS**

SAFETY STANDARDS

- **NUCLEAR SAFETY FRAMEWORK (INTERNATIONAL CONVENTIONS AND IAEA SAFETY STANDARDS) IS ROBUST ALTHOUGH COULD BE IMPROVED**
- **CONCERNS RELATED TO PRACTICAL IMPLEMENTATION**

INDEPENDENCE OF THE REGULATORY BODY

- **LEGAL AND INSTITUTIONAL INDEPENDENCE DO NOT ASSURE AN INDEPENDENT REGULATORY BODY**
- **MORE IMPORTANT THE INDEPENDENCE *DE FACTO* THAN *DE JURE***

ESSENCIAL REQUIREMENTS

- **ADEQUATE TECHNICAL AND MANAGERIAL COMPETENCES**
- **SUFFICIENT HUMAN AND FINANCIAL RESOURCES**

TECHNICAL AUTHORITY

SAFETY CULTURE

- **KEY SAFETY CULTURE PRINCIPLE – QUESTIONING ATTITUDES REFERRING TO NUCLEAR SAFETY ISSUES**
- **MAY BE COMPROMISED BY CULTURALLY EMBEDDED BEHAVIOR:**

OVERVALUE

- **RESPECT FOR HIERARCHY**
- **TRUST IN MANAGERIAL AUTHORITY**

RESIDENT INSPECTOR

- **RELEVANCE OF THE PRESENCE OF RESIDENT INSPECTOR IN THE FIELD DURING AN EMERGENCY IN A NUCLEAR INSTALLATION**
- **INFORMATIONS PROVIDE TO THE REGULATORY BODY IN REAL TIME WITHOUT BIAS**

EMERGENCY RESPONSE

- **IMPORTANCE OF WELL DESIGNED AND TESTED EMERGENCY PLAN AND PROCEDURES**
- **HOWEVER EACH ACCIDENT IS UNIQUE**
- **CRUCIAL TOOLS**
KNOWLEDGE – EXPERIENCE –
COMMON SENSE AND CREATIVITY
- **UNUSUAL EMERGENCY SITUATIONS OFTEN REQUIRE UNUSUAL SOLUTIONS**



THANK YOU

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to IAEA and CTBTO**

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