DG ENERGY D.2
Nuclear Energy, Nuclear Waste and Decommissioning

Overview of recent activities
B Batandjieva-Metcalf

42nd WASSC Meeting
29 Nov 2016, IAEA
Content

- EURATOM Treaty Article 41
- Nuclear illustrative programme of the Commission (PINC)
- Spent fuel and radioactive waste management
- Decommissioning
- Education and Training
EURATOM Treaty Article 41 notification

- Article 41 of the Euratom Treaty stipulates, that the investor shall communicate to the Commission investment projects in the nuclear industry relating to new installations, to replacements or conversions as listed in Annex II Euratom Treaty
EURATOM Treaty Article 41 notification

• By means of an internal Commission working group and discussions held between the Commission and the investor all aspects of the investment which relate to the objectives of the Euratom Treaty are addressed.

• The Commission Viewpoint is not legally binding. (Article 288 TFEU: Recommendations and opinions shall have no binding force.). However, only a project with a favourable view is eligible for a Euratom Loan or an EIB loan.
The Nuclear Illustrative Programme of the Commission (PINC)

- Requirement under Article 40 of the EURATOM Treaty
- The most recent one published by the Commission on 4 April 2016 for the opinion of European Economic and Social Committee (EESC)
- EESC opinion adopted on 22 September 2016. Final PINC will be issued in due time
- Contributes to Energy Union implementation
- The first PINC published after Fukushima accident
- Investment in nuclear safety: the key priority
Spent fuel and radioactive waste

**Directive 2011/70/EURATOM** establishing a Community framework for the responsible and safe management of spent fuel and radioactive waste

Milestones for Member States:

- Transposition of the Directive by 23 Aug 2013
- Notify the EC the National Programmes by 23 Aug 2015
- Submit the 1st Report on the implementation of the Directive (incl. an inventory of RAW and SF) by 23 Aug 2015
- Organize a periodic self-assessment and invite international peer review of the national framework, regulatory authority and programme at least every 10 years
Directive 2011/70/EURATOM

- Review of legislation is being finalised and dialogue with MS started
- Review of National reports finalised
- National Programmes review ongoing due to late notifications
- Report to the European Parliament and the Council
- Opinions on the National Programmes - 2017

Commission Event with EU MS on lessons learnt from the Commission review of first notifications on MS implementation of the Directive

Brussels, 7-9 June 2017 (TBC)
Spent fuel and radioactive waste

Directive 2006/117/EURATOM on the supervision and control of shipments of radioactive waste and spent fuel

• 1st report to the European Parliament and the Council in 2013 – for the period 2008-2011

• 2nd report (2012-2014) expected at 1st half of 2017:
  • Update of list of competent authorities (Sept 2016)
  • Review finalised and draft EC report under internal approval
  • Advisory committee meeting in 25 January 2017 in Luxembourg
Studies launched

• Review of the Current Situation Regarding Transport of Radioactive Material in European Union Member States

• Risk profile of funds allocated to finance the back-end activities of the nuclear fuel cycle in the EU
Cooperation with IAEA

Inventory (Status and trends project)
- Work towards possible harmonization of reporting data/tools
- Meetings held 15-16 June and 17 November 2016 (LUX also with NEA/OECD), one more planned (date TBC)
- Status and trends follow-up project to be launched 12-16 June 2017, IAEA

Peer reviews (ARTEMIS)
- Ongoing support on ARTEMIS guidelines
- MS schedule under development (ENSREG, IAEA)
- Workshop on ARTEMIS peer reviews – 4-6 July 2016 (Vienna, AT)
- First ARTEMIS missions – PL (Oct 2017) and FR (Nov 2017)

Support to the IAEA Conference on Safe RAW management
19 MS and 2 observers (IAEA and NEA/OECD)

Revision on Guidelines for MS reporting

Collection of MS feedback
- Working Group 2 and meeting on 18 Jan 2017 (BRU)
- Lessons learned workshop, 26-27 Oct 2017, UK
- Target for revision mid 2017

Next meeting
- 8 March 2017, Cordoba, Spain

Main topics
- Peer review schedule, Guideline’s revision and link with DFG
DECOMMISSIONING FUNDING GROUP (DFG)

- Last Meeting - October 2016
- Discussion of Work Programme 2017-2018

PINC
Directive 2011/70
ECA special report

Next meeting 1 March 2017
Decommissioning Assistance Programme

- Implementation of Council Regulations for the financial assistance to three decommissioning programmes in BG, LT and SK
- Mid-term evaluation process started
  - conclusions end 2017
- ECA audit completed
- Special Report 22/2016 published September 2016

• **Training sessions:**
  - Module I (May 2015, Stockholm, SE): Legal and regulatory framework and the functions of regulatory body
  - Module II (June 2015, Garching, DE): Technical concepts, techniques, methods and tools
• **Tutoring period** – 3 months/trainee
• **Final session** – 4 days (April 2016, Paris, FR)
• **Report under finalisation** by the contractor
  - Publication of the final report by the end of 2016
Main focus:

- EURATOM Treaty obligations (Art. 41)
- PINC and its follow-up
- Implementation of the Directives on spent fuel/waste management
- Cooperation with the IAEA in the field of peer reviews on spent fuel and waste management (ARTEMIS) and reporting of inventories
- Decommissioning: investments, funding, assistance
- Education and training
Thank you!