

Environmental Radiation surveillance and
Emergency Preparedness

6/6001/2015

20.12.2018

European Commission

Directorate General ENER
Directorate D-3-1Complexe Euroforum 2
L-2920 LUXEMBOURG**COMMISSION'S ARTICLE 35 VERIFICATION - Actions taken in Loviisa NPP**

Dear Sir,

The attachment contains the response of the Loviisa NPP laboratory to European Commission's follow up to article 35 of the Euratom Treaty verification team from DG ENER visited Finland 2015.

A handwritten signature in black ink, appearing to read "Kaisa Koskinen", with a long horizontal flourish extending to the right.

Kaisa Koskinen
Acting Director General,
Director

Environmental Radiation surveillance and
Emergency Preparedness

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COMMISSION'S ARTICLE 35 VERIFICATION - Actions taken in Loviisa NPP

Article 35 of the Euratom Treaty verification team from DG ENER visited Finland from 29 September to 2 October 2015. Final report was submitted to the Finnish competent authority (STUK) in May 2017.

The Commission Services asked the Finnish competent authority to inform them of any developments and actions taken as a result of the verification. Most of the developments were done within three months, and Commission Services was informed of the developments. One of the recommendations (Loviisa NPP laboratory for analysis of discharge samples) was left open. Therefore, the Commission wished to follow up on the participation of the Loviisa NPP laboratory in intercomparison exercises, in particular related to low activity samples, and asked to be informed about any developments related to this point. The Commission asked information by the end of 2018.

Loviisa NPP laboratory for analysis of discharge samples (Section 9.7 of the TR). *It is crucial that Loviisa NPP continues to ensure that routine analysis can be adequately guaranteed. The verification team notes that the laboratory of the Loviisa NPP has only limited possibility to exchange experience and compare performance with other similar laboratories. The verification team therefore recommends a review of the quality assurance programme, including exploring possibilities for experience exchanges with other laboratories, also with reference laboratories, and increased access to national and international intercomparison exercises, particularly for low-activity samples.*

Actions taken by Loviisa NPP laboratory:

- Laboratory of radiochemistry in Loviisa NPP participated in an IAEA intercomparison exercise in 2018 (low-level gamma active radionuclides, IAEA-TEL-2018-03). The intercomparison exercise included two low activity water samples where gamma active radionuclides were analyzed.

STUK

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