



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL FOR ENERGY

Directorate D - Nuclear Energy, Safety and ITER  
D.3 – Radiation Protection and Nuclear Safety

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## Verification under the terms of Article 35 of the Euratom Treaty

### Main Conclusions

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# GERMANY

## Routine and emergency radioactivity monitoring arrangements in Berlin

<b>Dates</b>	2-4 May 2017
<b>Verification team</b>	Mr Vesa Tanner, DG ENER Mr Alan Ryan, DG ENER
<b>Reference</b>	DE 17-02

## INTRODUCTION

Article 35 of the Euratom Treaty requires that each Member State shall establish facilities necessary to carry out continuous monitoring of the levels of radioactivity in air, water and soil and to ensure compliance with the basic safety standards<sup>1</sup>.

Article 35 also gives the European Commission (EC) the right of access to such facilities in order that it may verify their operation and efficiency.

The radiation protection and nuclear safety unit (ENER D.3) of the EC's Directorate-General for Energy (DG ENER) is responsible for undertaking these verifications.

The main purpose of verifications performed under Article 35 of the Euratom Treaty is to provide an independent assessment of the adequacy of monitoring facilities for

- Liquid and airborne discharges of radioactivity into the environment by a site;
- Levels of environmental radioactivity at the site perimeter and in the marine, terrestrial and aquatic environment around the site, for all relevant pathways;
- Levels of environmental radioactivity on the territory of the Member State.

For the purpose of such a review, a verification team from DG ENER visited Berlin on 2 – 4 May 2017. This mission dealt with

- Facilities for routine monitoring of environmental radioactivity in Berlin;
- Facilities for emergency monitoring of environmental radioactivity in Berlin;
- Measuring laboratories, in particular infrastructure, analytical methods, quality assurance and control aspects, as well as reporting.

The present document gives an overview of the main conclusions by the verification team concerning relevant aspects of the environmental surveillance and corresponding recommendations. More detailed information concerning the verification is available in the technical report (TR) of the verification.

## MAIN CONCLUSIONS

All verifications that had been planned by the verification team were completed successfully. The information supplied by German authorities in advance of the visit, as well as the additional documentation received during and after the verification was useful.

- (1) The verification activities that were performed demonstrated that the facilities necessary to carry out monitoring of levels of radioactivity in air, water and soil in Berlin are adequate. The Commission could verify the operation and efficiency of a representative part of these facilities.
- (2) The verification activities that were performed demonstrated that the facilities necessary to carry out monitoring of levels of radioactivity in air, water and soil in Berlin in the event of a radiological emergency are adequate. The Commission could verify the operation and efficiency of a representative part of these facilities.
- (3) The detailed verification findings and ensuing suggestions are compiled in the 'Technical Report' that is addressed to the German competent authorities through the Permanent Representation of Germany to the European Union.
- (4) The Commission services kindly request the German authorities to submit, before the end of 2020, a report on any significant changes in the set-up of the monitoring systems, in particular following the foreseen closure of the BER II reactor.

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<sup>1</sup> Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation (OJ L 159 of 29/06/1996) and Council Directive 2013/59/Euratom of 5 December 2013 laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom (OJ L 13 of 17.1.2014)

- (5) Finally, the verification team acknowledges the excellent co-operation it received from all persons involved in the activities it performed.

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Team Leader