



OSPAR Radioactive Substances

On going efforts tomorrow

Radioactive Substances Strategy

On going efforts

- To evaluate the approach for assessing “additional concentrations in the marine environment above historic levels are close to zero”

Scope

Explore the different options:

- i) evaluate the assessment time period or rolling average post baseline for the nuclear sector
- ii) explore the statistical methods against (i) above
- iii) identify whether there are any differences in the application of LoDs by Contracting Parties which would preclude their use in the individual monitoring regions

Radioactive Substances Strategy

On going efforts

- Demonstration of the proposed IAEA method “Definition of Radiological Environmental Assessment Criteria”

The aim is to demonstrate the application of the methodology and to identify any potential issues that may arise during the assessments.

In particular:

- i) the representativeness of the data
- ii) the assumption of equilibrium between sediment/seawater concentrations
- iii) determine the adequacy of using the indicator radionuclides as representing radiological impact
- iv) conduct a sensitivity analysis of the key parameters with particular emphasis on non-human species
- v) other relevant assessment studies

Radioactive Substances Strategy

On going efforts

- Modelling of additional concentrations of NORM in seawater from discharges of produced water from the offshore oil and gas sector

Scope

- i) examine technical aspects and the challenges of modelling the fate of discharges of NORM in produced water;
- ii) determine whether existing modelling methodologies could be successfully employed to derive additional concentrations of NORM above background in seawater as a result of discharges of produced water across the OSPAR maritime area; or
- iii) identify, as required, the need for further refinement of existing modelling methodologies or the development of alternative methodologies.