

**Survey of**

**Non-Standard/Exotic Legacy Power and Research Reactor Spent Fuels**

**Ref. No.:** **EVT2304628**

# Purpose

The purpose of this survey is to capture the range of non–standard/exotic legacy power and research reactor spent fuels held in storage pending further processing or disposal.

The information will be reported in the Proceedings of the Technical Meeting on Operating Experience and Lessons Learned on Managing Non-Standard/Exotic Legacy Power and Research Reactor Spent Fuels. The information will be of value to Member States in informing them on the ranges of fuels that have been irradiated and who has this experience.

**SURVEY**

**NON-STANDARD, EXOTIC AND LEGACY SPENT FUELS**

1. **GENERAL**

Do you store any:

Non-standard power reactor fuels

Non-standard research reactor fuels

Power reactor prototype or development fuels

Fast reactor prototype fuels

High temperature reactor fuels

[Text for additional information]

1. **QUANTITIES**

If you ticked any boxes in Section 1 above, what sort of quantities of each type do you store?

Fuel Pin/plate or pins/plates

Single fuel assembly/element/module

Multiple FAs/elements/modules…………………………………………………Specify\_\_\_\_\_\_\_\_\_

[Text for additional information]

1. **FURTHER INFORMATION**

What is different?

Non-standard fuel cladding

Standard fuel cladding that has an external coating or treatment applied

235U content >5% (UO2 power reactor fuels)

>7% total Pu or Pu spiked (MOX power reactor fuels)

Non-standard fuel matrix

Non-standard burnable poison

Fuel matrix contains additives

Non-Standard fuel history (irradiation effects, for example over irradiated)

Please provide further details for boxes checked:

[Text for additional information]