**APS Proposed Radioactive Sample Information**

**DATE:** Click or tap to enter a date.

**BEAMLINE:** Click or tap here to enter text.

**PROPOSAL/ESAF#** Click or tap here to enter text.

**PI:** Click or tap here to enter text.

**CONTACT:** Click or tap here to enter text.

**BEAMTIME:** Click or tap here to enter text.

Please provide the following information for the review of your proposed experiment involving radioactive samples. This document and any supporting information provided will be submitted to the APS Radioactive Sample Safety Review Committee (RSSRC).

1. Proposed the total sample matrix, weight, and dimensions:

Click or tap here to enter text.

2. Proposed amount (weight & activity) of each radioactive isotope in the sample(s):

Click or tap here to enter text.

3. Have any of your samples been irradiated with neutrons or ion beams? If yes, they are considered radioactive samples at the APS. Please provide the following information:

* Source of irradiation (neutrons/ion beams): Click or tap here to enter text.
* If ion beams, the ion and energy used: Click or tap here to enter text.
* Date and location of irradiation: Click or tap to enter a date. At: Click or tap here to enter text.
* Current radiation dose of the samples (at contact and 30 cm):

Contact: Click or tap here to enter text. 30 cm: Click or tap here to enter text.

* Isotopes present from neutron activation (with weight or activity):

Click or tap here to enter text.

* Provide release criteria or paperwork (final survey) for the samples (if possible).

\*Note: even if the samples were free released from another facility, the above information still needs to be provided.

Click or tap here to enter text.

4. Provide a detailed description of the proposed sample containment.

* A diagram or schematic showing all levels of containment MUST be included (attach files).

Click or tap here to enter text.

* Provide photographs of assembled proposed sample holders if possible (attach files). Click or tap here to enter text.

5. Provide any data on integrity of the sample, the sample holder, and containment under the expected experiment conditions (e.g., heating, cooling, pressure, etc.).

All experimental conditions must be tested on an identical non-rad sample holder and results documented and presented for review.

\* Only tested conditions that have been reviewed and approved will be allowed.

List all proposed and completed tests here:

Click or tap here to enter text.

6. Requirements on loaded sample holders (if samples have been prepared):

\*This information may not be available at the time of ESAF submission but MUST be provided before approval will be given to ship the radioactive samples.

* Provide exposure readings from the sample at contact and at 30 cm, with a description of the instruments used to perform the measurements:

Contact:Click or tap here to enter text. 30 cm:Click or tap here to enter text. Instruments: Click or tap here to enter text.

* Provide wipe/smear test results on loaded sample holder(s): Click or tap here to enter text.
* Provide liquid scintillation results (if required): Click or tap here to enter text.

7. Proposed beam conditions:

* Approximate beam size and maximum flux on sample: Click or tap here to enter text.
* Provide beam type (Mono/Pink/White): Choose an item.
* Provide beam energies if Mono, ID gap if Pink/White: Click or tap here to enter text.keV

**Please send completed form and all supporting material to:** [**Wendy VanWingeren**](mailto:wlanham@anl.gov)