UNIVERSITY OF ALASKA FAIRBANKS
www.uaf.edu/safety

ENVIRONMENTAL, HEALTH, SAFETY and RISK MANAGEMENT
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R/V *Sikuliaq* Cruise Radioisotope Use Plan

Statement of Proposed Work and Objectives
[one- or two-sentence statement describing the general nature of the proposed work and its objectives]

Anticipated start and end date(s)

[one sentence statement of anticipated start and end dates, as well as of any anticipated repetitions of the experiments at a later date]

Location of proposed work

[A description of the location of the proposed work (latitude/longitude, or distance and direction from a recognized landmark)]

Responsible personnel and documentation of training

Note: All UAF personnel must have prior approval as Authorized Users or Supervised Users of radioactive materials. All non-UAF personnel must submit a statement signed by the RSO of their institution stating that they have received radiation safety training to satisfy the requirements of 10 CFR 19.

Name of person who will be in charge of the radioisotope work onboard the Sikuliaq:

_____

Pertinent experience of person listed above:

[describe pertinent experience in working with radioisotopes here]

Name(s) and experience of any additional persons who will handle radioisotopes aboard ship.

[list here]

Radioisotopes that will be used during the proposed work

[provide a list of all radioisotopes to be used, including the chemical and physical forms of each, the total activity to be brought onboard, and the total activity to be "in use" at any time]

Technical description of proposed research activities

[provide a description of proposed research activities. Sufficient detail must be given to allow the UAF RSO to determine the nature and extent of any radiological hazards associated with the work]

Proposed use of R/V *Sikuliaq* facilities

[provide a list of facilities to be used aboard the R/V Sikuliaq. Unsealed radioactive isotopes may only be used in a designated radioisotope van. Sealed radioactive sources contained in instruments may be permitted in lab spaces if prior approval from the Marine Superintendent and the UAF RSO has been obtained]

Safety procedures related to use of radioisotopes

[provide a description of safety procedures related to use of radioactive materials, including: use of gloves, lab coats, and other safety apparel; availability of radiation survey equipment during the cruise (e.g., Geiger counters, liquid scintillation counters); survey methods and frequency; use of shielding or other devices to keep exposures ALARA; procedures for handling gaseous radioisotopes; storage locations of radioactive materials, including samples, and a description of security measures]

Waste disposal plan

[provide a waste disposal plan, including a brief description of how radioactive wastes will be stored on board; how wastes will be packaged and marked prior to removal from the ship, and a brief description of how materials will be offered for shipment from port (including training documentation for non-UAF personnel)]

Name: _____ **Title:** _____

Signature: _____ **Date:** _____

Submit completed forms to:

Emily Reiter
Radiation Safety Officer
PO Box 758145
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