

PREFACE

This manual is a guide toward achievi

3.0 GENERAL POLICIES

3.1 SCOPE OF THE MANUAL.

This manual sets forth the procedures approved by the Kansas State University Radiation

- e. To follow procurement and disposal procedures as described in Sections 4.5 and 4.15 respectively.
- f.

4.0 RADIOACTIVE MATERIALS

4.1 AUTHORIZATION TO USE RADIOACTIVE MATERIALS.

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but can be reversed on short notice.

4.3 RENEWAL OF AUTHORIZATION.

Authorizations expire automatically on December 15 every year. Application for renewal must be made prior to the expiration date. An application form for this purpose will be forwarded to the API by the RSO.

4.4 TERMINATION OF AUTHORIZATION.

Authorization may be terminated at any time at the request of the API. If the API
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his/her specific project have an approved Form RSC-1 authorized for the specific isotope/amount on file with the RSO prior to the transfer.

- a. Internal transfer requests shall be sent to the RSO for approval. If approved, the RSO will send a

frequency of its use in such applications shall be binding.

- 3) Do not use tobacco products, eat, drink, or apply cosmetics in radioisotope laboratories (this includes gum, candy, and bottled water).
- 4) Do not bring food containers into radioisotope laboratories. Refrigerators must not be used jointly for food and radioactive materials. The placement of office desks in the laboratory is discouraged.
- 5) Keep fingernails clean and short.
- 6)

c. **Rules Pertaining to Laboratories Possessing and Using Transuranic Elements.**

The elements in the transuranic series are highly radiotoxic and must be handled with extreme caution. Special monitoring equipment and handling devices must be available and function in laboratories where unsealed radioactive sources of this series are handled. The minimum special equipment required includes:

- 1) An alpha-sensitive air particulate monitor.
- 2) A suitable glove box.
- 3) An alpha survey6 Tm0 gater.

4.15 DISPOSAL OF RADIOACTIVE WASTES.

The RSO will pick-up and properly dispose of radioactive waste produced on campus. During the

3.) Waste which is not properly packaged and labeled will not be picked up.

the accelerator by manually resetting controls at the position where the interlock has been tripped, and lastly at the main control console.

c.

- e. Individuals must return radiation monitoring dosimeters to the Department of Environmental Health and Safety if leaving the University or if no longer a radiation worker on campus. The API has the responsibility to ensure the return of all dosimeters used by individuals under his/her direction.

7.2 BIOASSAYS.

Although the likelihood of internal exposure is

APPENDIX 9.2

APPENDIX 9.5 DERIVED AIR CONCENTRATIONS (DAC) FOR

