

UNITED STATES TRANSURANIUM AND URANIUM REGISTRIES  
ANALYTICAL PROCEDURE MANUAL

**USTUR 025: Radiation Safety Authorization**

<b>Purpose</b>	Radiation safety authorization	<b>Method Number</b>	USTUR 025
<b>Original Date</b>	10/10/95	<b>Author</b>	USTUR Radiochemistry Staff
<b>Revision Number</b>	1	<b>Approved By</b>	James T. Elliston
<b>Revision Date</b>	10/10/95	<b>Approval Date</b>	1/31/01

**1. Radiation Safety Authorization**

- 1.1. All USTUR operations involving the use of actinide elements or other radionuclides shall be carried out under a Radioactive Materials Authorization issued to an Authorized Faculty User by the Washington State University Radiation Safety Committee. Washington State University operates Radioactive Materials License C003-1 issued by the State of Washington, a USNRC Agreement State. The State of Washington Administrative Code (WAC) Title 246 describes the regulations governing radiation protection and the use of radioactive materials. These regulations are described in the Washington State University's Safety Policies and Procedures Manual, Chapter S90, Radiation Safety and in the WSU Radiation Protection Manual.
- 1.2. Authorized User: The Authorized User for the USTUR Radiochemistry Project is Professor Roy Filby.
- 1.3. Authorized Personnel: All personnel in the USTUR Radiochemistry Project who use radioactive materials, or who may be potentially exposed to radioactive materials, shall be listed under the Authorized User's Authorization, shall have taken the WSU Radiation Safety Training Course, and shall wear appropriate personnel monitoring as described in the WSU Radiation Protection Manual.
- 1.4. Radionuclide Possession Limits: Each radionuclide used in the USTUR Radiochemistry Project is subject to a Possession Limit approved by the Radiation Safety Committee. A copy of the current Authorization and Possession Limit is attached to this section.
- 1.5. Purchase of Radioactive Materials: All orders for radioactive materials are subject to these Possession Limits and must be approved in writing by the Radiation Safety Office.
- 1.6. Personal Radiation Monitoring: All personnel shall be required to wear personal dosimetry devices issued by the Radiation Safety Office. Annual exposure records will be reviewed by the Authorized User.
- 1.7. Laboratory Monitoring and Surveys: All USTUR Radiochemistry Project laboratories shall be posted with the appropriate signs. All laboratories shall be

UNITED STATES TRANSURANIUM AND URANIUM REGISTRIES  
ANALYTICAL PROCEDURE MANUAL

surveyed and monitored on a regular basis and records kept as described in the WSU Radiation Protection Manual.

- 1.8. All radioactive waste generated by the USTUR Radiochemistry Project shall be inventoried, stored and disposed of according to the procedures described in the WSU Radiation Protection Manual.