

GRU's Georgia Department of Natural Resources Radioactive Materials License

As required by regulation and our radioactive materials license the Radiation Safety Office must track all radioactive material received on campus. We are required to survey and document radioactive material packages within 4 hours of receipt. Additionally, we are required to verify prior to receipt the following:

- Authorized User is approved for requested radionuclide
- Order does not exceed approved limits
- Current training for the Authorized User and lab personnel
- Appropriate dosimetry issued
- Current instrument calibration
- Approved lab for delivery point

These actions document the institution's compliance with regulatory requirements and GRU is subject to penalties and monetary fines if found to be in non-compliance.

Ordering Radioactive Material

Radioactive material is not allowed to be purchased on a P-card. It must be purchased through PeopleSoft. When placing an order in PeopleSoft for radioactive material, if you are using one of the icons in the Health eShop verify the system automatically populates with one of the Category ID's listed on the following page under Category Codes Used for Radioactive Material. **If you are placing the order in PeopleSoft only use the Category ID for Chemicals, Radioactive (11515).**

It is essential for the Category ID to be one of the ones listed on the next page in order for PeopleSoft to queue the requisition to the Radiation Safety Office for approval prior to procurement by Materials Management. Also, when entering an order you must specify the isotope, activity amount (in either millicurie-mCi, or microcurie-uCi amounts), and Principal Authorized User's name and assigned #. List these items not pre-populated in the description under the Justification/Comments section. Do not change the default of Ship to Receiving, however verify the authorized lab # the material will be used in is indicated under Accounting Defaults Location. Contact 706-721-9826 if you have any questions about a radioactive materials order.

List of common isotopes ordered (noted in parenthesis is the full name of the isotope) (any of these items should be flagged with an "R" PO# by Materials Management to flag the Warehouse that this is a radioactive material order upon receipt.)

C-14 (Carbon-14)

Co-57 (Cobalt-57)

H-3 (Tritium)

I-125 (Iodine-125)

P-32 (Phosphorous-32)

S-35 (Sulfur-35)

Cr-51 (Chromium-51)

Category Codes Used for Radioactive Material

Category Code	Description
11515	Chemicals Isotopically Labeled (With Deuterium Radionuclides etc.)
18060	Isotopes and their Compounds (Organic and Inorganic)
19366	Nuclear Medicine Test Kits
19380	Radioactive Diagnostic Reagents
19384	Radioimmunoassay Kits
25727	Chemical, Biological, Radiological and Nuclear Explosive Weapons and Cyber Attacks
25731	CBRNE Detection Equipment
25743	Intervention Equipment, CBRNE
25744	Logistical Support Equipment, CBRNE
25787	Vehicles, CBRNE Incident Response
25793	Watercraft, CBRNE Response
26978	Radioactive Pharmaceuticals
49047	Liquid Scintillation Counting Systems
49069	Nuclear Radiation Sources (Not for Medical Use)
49097	Recycled Nuclear, Optical and Physical Laboratory Equipment and Supplies
49346	Ion Equipment (Not otherwise classified)
59339	Fuel, Fission
59340	Fuel Equipment, Nuclear
59341	Fuel, Reactor (Uranium, Iridium, Plutonium)
59347	Industrial Nucleonic Instruments
59348	Irradiation Equipment, Atomic or Nuclear Energy
59350	Nuclear Energy Machinery and Equipment (Subcritical Assy., Dosimetry Equipment, Hot Cell Devices, etc.)
59364	Reactor Equipment, Nuclear
59367	Recycled Nuclear Equipment, Components, Accessories, and Supplies
59374	Shielding Equipment, Radiation
59390	Waste Equipment Radioactive
89860	Radiation Therapy Equipment, Nuclear; Cobalt Sources, Radioactive Implants, etc.
93607	Atomic and Nuclear Energy Machines and Equipment Maintenance and Repair
96732	Chemical Products (Incl. Biochemical, Petrochemical, etc.)
99824	Chemicals All Types, Sale of Surplus and Obsolete Items