

Getting Materials To/From BNL:

Before shipping or transporting any hazardous material to BNL, be sure that your material and shipping method has been approved on your Safety Approval Form.

Materials of Trade (MOT)

Many common reagents are available at NSLS-II. Check with your Authorized Beamline Staff prior to bringing or shipping materials.

Most samples and small quantities (< 8 gallons) of materials can qualify as Department of Transportation 'Materials of Trade' (DOT MOT), and can be transported by personal vehicle. Some highly toxic or reactive materials have a much lower threshold. A table is available on the DOT website. For a description and list of MOT, see the link below:

https://hazmatonline.phmsa.dot.gov/services/publication_documents/MOTS05.pdf

You must always ensure that the material is packaged properly to prevent leaks and spills, or hazardous environments inside the vehicle. A Safety Data Sheet (SDS) must be available for the material. The package must be secured inside the vehicle to prevent damage. The driver must have a valid driver's license and the vehicle must be insured and in good mechanical condition. Do not place incompatibles together.

Examples of materials that are NOT considered MOT in any quantity, and my NOT be brought by car or by air:

- Self Reacting (Class 4.1)
- Poisonous by inhalation (Class 6.1)
- Radiological material (Class 7)
- Some Infectious Material (Class 6.2)
- Hazardous Waste (must be disposed at BNL)

These materials must be shipped by a common carrier (FedEx or UPS) following DOT regulations. Be sure to note the shipping method on your Safety Approval Form.

A shipping memo must be prepared for materials leaving BNL through a common carrier. Contact your beamline staff for assistance.

If using a common carrier, be sure that the shipping address is:

NSLS-II
740 Brookhaven Avenue
Bldg 740 – Loading Dock
Upton, NY 11973-5000

Include your beamline number and beamline staff names in the address.

For more information, see the links below:

<http://www.bnl.gov/esh/shsd/programs/hazmat-transportation-FAQ.php>

Radioactive Material Transport

All radioactive material transport to/from BNL must be coordinated with the Facility Support group and approved through the Packaging and Transportation Group

For domestic shipments, all material with activity greater than the values specified in table 173.436 of 49 CFR173.403 are considered radioactive for transport purposes. No materials with a specific activity exceeding that value may be brought to or taken from the site in any way other than that described below.

Radioactive Materials Off site (between BNL and other institutions)

Sending radioactive materials from your home institution to the NSLS:

If your material is coming to BNL from off site, call the BNL Packaging and Transportation Group at extension 5241 for help. They will tell you what is required and will receive the package when it arrives at BNL. They will bring it to the NSLS-II Radiological Control Division (RCD) Facility Support Technicians. You may pick up your package from them. Ship radioactive materials to:

U.S. Department of Energy
c/o Brookhaven National Laboratory
Bldg. 98, Receiving
Upton, NY 11973

ATTN: Packaging and Transportation Group
For: "Name of Recipient" and "Authorization Number"

Note: This includes radioactive material that is shipped by overnight carrier, i.e., Federal Express, DHL. Radioactive material is not to be shipped directly to the location of the Department/Division using it.

Note: The Radiological Control Division Facility Support Staff must survey the package before its contents are handled.

Sending radioactive materials off of the BNL site:

If your material is going off site, contact the RCD Facility Support Group at 5565 for guidance. A project and activity number are required to process a shipping memo for shipments, even if you are using prepaid shipping. Contact your Authorized Beamline Staff if you do not have project and activity numbers.

Radioactive Materials On Site (between buildings at BNL)

The rules for transport of radioactive materials on site allow for some materials to be transported by the owner in government vehicles or by hand carrying. Requirements for moving materials this way include:

- The package dose rate must be <100 mRem/hr on contact
- Material activity may not exceed the dispersible limits established in Appendix E of 10 CFR 835
- There must be no smearable contamination on the outside of the package greater than the release criteria
- The material may not be accountable nuclear and/or fissile.

If you can meet the requirements for on-site transport by government vehicle or hand carrying, you must contact the Photon Sciences RCD Facility Support Representative at extension 5565 for help. He will assist in completing the required paperwork and in obtaining approval for the transport.

If you cannot meet the requirements for on-site transport by government vehicle or hand carrying, then contact BNL Isotopes and Special Materials for direction.