

Purpose:

This outlines the current determination for how waste generated within Photon Sciences is categorized, managed, and disposed according to Argonne National Laboratory procedures. The scope of this determination covers only laboratory-generated waste materials; office trash, universal waste and electronic items are handled at the laboratory level via process flows described in the Argonne Waste Handling Guide and LMS-PROC-107 Disposition of Universal Waste.

Scope: This procedure applies to the following PSC Directorate activities and entities.

LMS core processes:	Environment, Safety and Health
Organizations:	Photon Sciences (PSC)
Buildings:	All buildings encompassed by PSC
Specific locations:	All PSC workspace
Other applicability factors:	None
Exclusions from the above criteria:	Office worker waste, non-hazardous recyclable equipment
Review Cycle	Triennial

Solid Waste Generating Processes:

Waste at the PSC can be generated by the following processes:

- waste discarded as a sample
- waste was used to prepare a sample
- waste is a discarded PURE reagent grade chemical
- waste was used to clean/prepare sample holders
- waste was used as an etching solution, and other.

These processes have generated the following waste types:

- i. NANO RCRA regulated materials
- ii. NANO NON-RCRA
- iii. NANO RCRA regulated sharps
- iv. NANO Non-RCRA sharps
- v. RCRA regulated materials
- vi. DOT Hazardous, Non-RCRA
- vii. Non-RCRA, Non-DOT
- viii. Used Oil

All waste will be disposed of per the Argonne Waste Handling Guide.

Non-RCRA regulated waste discharged to laboratory or sanitary sinks will be in accordance with [LMS-PROC-122 Water Pollution Control](#).

Other waste will be temporarily stored within an authorized Satellite or Generator

Accumulation Area until they are disposed using a WMO-197 form following [LMS-PROC-311](#)