

Saint Louis University Laboratory Inspections



Why Are Inspections Important?

Environmental Safety Laboratory Inspections

Performed annually.

Covers general safety, chemical safety, and hazardous waste.

Laboratories are expected to make corrections to compliance issues noted during the inspection.

The image shows a scan of an "ENVIRONMENTAL SAFETY LABORATORY INSPECTION FORM" (Rev. 12/12). The form is heavily distorted by digital noise and artifacts, particularly in the lower half. The top section is legible and includes the following text:

ENVIRONMENTAL SAFETY LABORATORY INSPECTION FORM (Rev. 12/12)
PLEASE PRINT THIS DATA SHEET IN AN ACCURATE MANNER

Below this, there are several fields for data entry, including a date field and a field for the inspector's name. The most prominent section is the "SUMMARY OF INSPECTION FINDINGS" section, which contains three checkboxes:

- C. Uncontrolled spill or other emergency violation was identified. SEE BELOW
- D. Other violations were identified.
- E. None of non-compliance or other conditions was identified. SEE BELOW

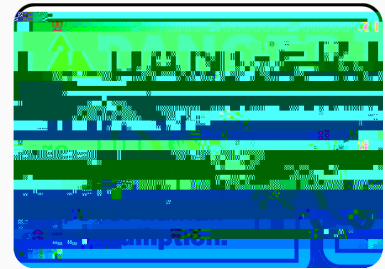
The bottom half of the form is obscured by a dense pattern of colorful digital noise, making the rest of the text illegible.

Environmental Safety Laboratory Inspection Form



Most Common Areas of Noncompliance

1. Chemicals not labeled with the full chemical name, concentration and/or hazard class.
2. Laboratory refrigerators/freezers/microwaves not labeled "Not for Food Use" & "Not for Flammable Liquid Storage".
3. Flammable liquids stored in non-explosion-proof/non-flammable-proof refrigerators.
4. Chemicals not properly segregated by hazard class.
5. Vacuum systems not adequately protected with in-line filters.



Environmental Safety Highlights

Broken glass boxes are designed for disposal of clean broken glass, glass bottles that have been triple rinsed and other sharp glass that is not contaminated. Please triple rinse glassware and mark out or remove labels before disposal in the broken glass box.

All peroxide-forming chemicals (diethyl ether, picric acid, tetrahydrofuran, etc.) must be dated when received and dated when opened. Please do not open if expired or crystals have formed inside the bottle. Request a [chemical waste pickup](#).

Food and drinks are not allowed inside the laboratory. Each lab should have a designated area to ensure food and drink are not used or stored in the lab.

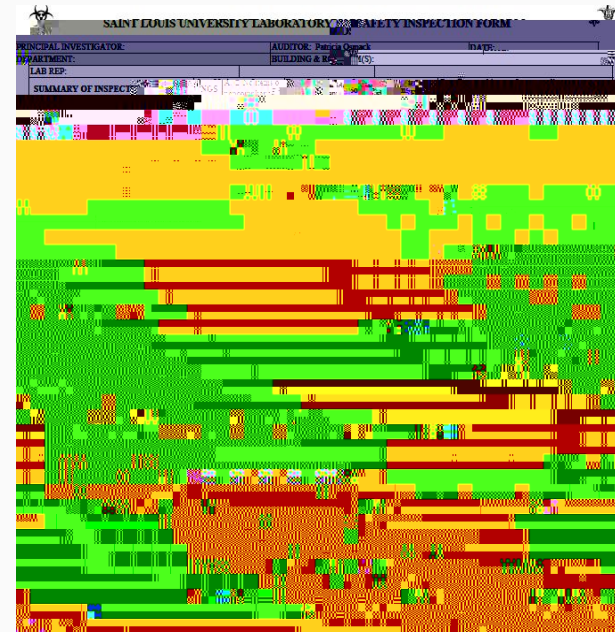
Minors (< 18 yrs old) are not allowed to access or work in the laboratory without official approval. Consult the EHS Minors in Labs Policy.

Biosafety Inspections

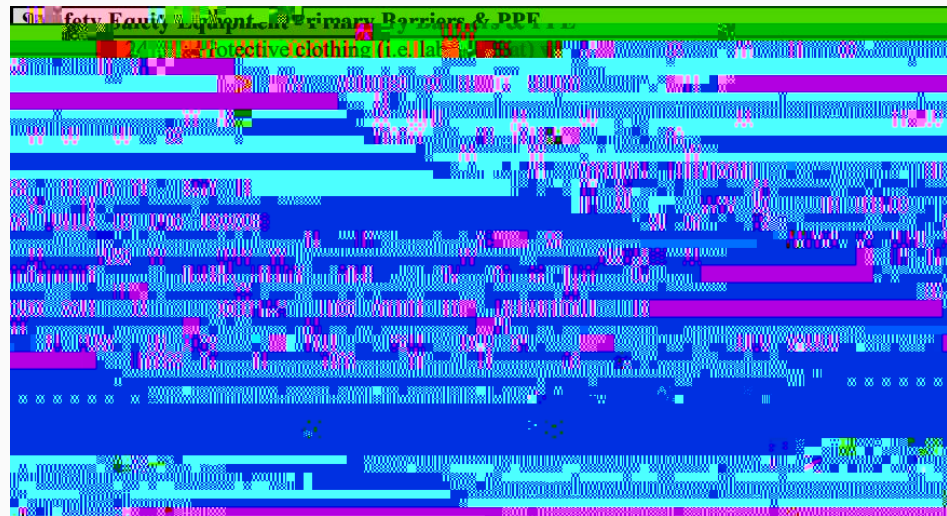
Performed annually and anytime lab locations or work practices change.

Required for Institutional Biosafety Committee Protocol approval.

Typically not announced but are usually performed the same month every year.



Biosafety Inspection Form

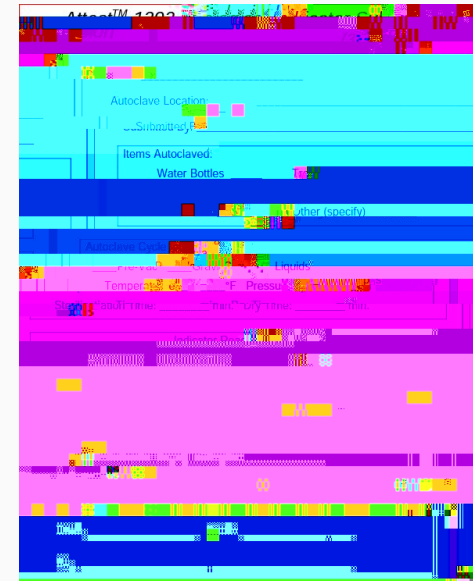
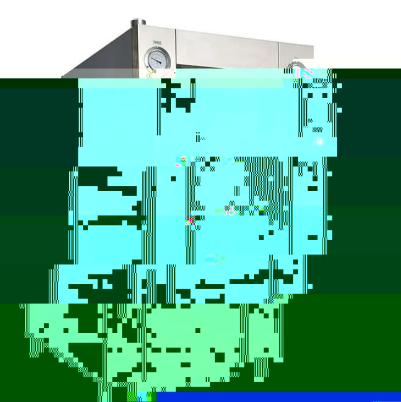




Autoclave Inspections

Autoclave function must be validated weekly (spore tests) when the autoclave is used to decontaminate waste.

Autoclave records are checked annually.



Radiation Safety Inspections

Training: All personnel working with radioactive materials must have completed the Radiation Safety Orientation and passed the associated test

Radionuclide Shipment Log (Green Sheet): must be completed as required including surveys and inventory log

PPE: Appropriate PPE must be worn for the radioactive materials being used. Typically, this includes lab coat, gloves, protective eyewear, and dosimeters if required

Surveys: Survey meter readings (unless H-3 use only, which is not detectable with meter) and wipe tests must be

Radiation Safety Inspection Form

- A. 1 weekly survey
- B. 2 weekly surveys
- C. 3 or more weekly/1 or more monthly surveys
- D. survey meter readings not documented

36. Food/drink stored in area designated for RAM

37. RADIATION/NUCLEIDE WAS NOT DISPOSED

- 6. Emergency instructions not posted
- 7. Emergency instructions not posted
- 8. Permit not posted
- 9. Permit applied

32. Radionuclides imported from SUU/affiliated facilities

33. Radionuclides improperly stored or inadequately shielded

34. Radionuclides not properly labeled

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