

Laboratory Self Audit 2023 Preview

The Laboratory Self Audit (LSA) is a mandatory online inspection checklist for FIU's laboratory community intended to cultivate a proactive approach to safety and regulatory compliance.

Utilize this preview to:

- Review the safety and regulatory requirements for laboratory spaces
- Improve operations and reduce risks of hazards
- Educate new and existing space occupants on regulatory requirements and best practices

The LSA must be submitted online; physical and e-copies will not be accepted. For more information, visit EH&S' LSA webpage:

<https://ehs.fiu.edu/safety-programs/laboratory/index.html#3>

Important Dates:

On August 1st, 2023,	LSA opens
On October 31st, 2023,	LSA closes

Legend:

Display Logic: denotes questions that will display when conditions are met.

Skip Logic: denotes questions that will skip ahead when conditions are met.

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Introduction Block

Q1.1 Welcome, Initial

Welcome to the 2023 Laboratory Self Audit (LSA).

Please ensure that you have **knowledge of the operations and hazards** associated with the space and have **the authority to influence the implementation of corrective action(s)**, such as the Principal Investigator (PI), Laboratory Manager, or Laboratory Staff.

Students, Interns, or Volunteers are not authorized to participate in the LSA to abide by the Family Educational Rights and Privacy Act.

Please note that EH&S will not accept submissions using a student email address.

The survey is divided into six (6) blocks: Identification, Inventory, General, Administrative, Special Hazards, and Safety Equipment.

Be objective and honest in the LSA. The LSA is designed to help identify areas where improvement is needed. You and your staff are best positioned to know the hazards in your processes/environment and implement appropriate controls.

NOTE: Please note that you have a total of 72 hours to complete the LSA survey from the time it begins. If the survey is not completed within this time frame, it will be marked as incomplete and subsequently deleted.

Questions or concerns? Contact the Program Coordinator, Victoria Villa, at vmvilla@fiu.edu.

Please initial below to affirm that you have the knowledge and authority to submit the LSA on behalf of your space and that you will be objective, honest, and truthful in your submissions.

Identification Block

Q2.1 Identify Primary

Note: Students, interns, Ph.D. candidates, and volunteers are NOT ALLOWED to participate in the LSA to protect the student's personally identifiable information per the Family Educational Rights and Privacy Act (FERPA).

Only Use FIU Employee Emails and the official title/role. EH&S will reject the submission if an FIU student email is used or if the role contains "student," "intern," "Ph.D. candidate," or "volunteer."

First Name _____
Last Name _____
FIU Email _____
Role (Job Title) _____
Department _____

Q2.2 Identify Alternate

Note: Students, interns, Ph.D. candidates, and volunteers are NOT ALLOWED to participate in the LSA to protect the student's personally identifiable information per the Family Educational Rights and Privacy Act (FERPA).

Only Use FIU Employee Emails and the official title/role. EH&S will reject the submission if an FIU student email is used or if the role contains "student," "intern," "Ph.D. candidate," or "volunteer."

First Name _____
Last Name _____
FIU Email _____
Role (Job Title) _____
Department _____

Q2.3 Identify the Campus or Site and the Building

Select Campus [From a drilldown]
Select Building [From a drilldown]

Q2.4 Identify Room Number

(Only one room number per submission.)

Q2.5 You have entered an incorrect email address.

Display Q2.5 if the text response for FIU Email does not contain “@fiu.edu” in Q2.1 and Q2.2.

All participants must use their official FIU employee email address. EH&S will NOT access this submission if you proceed.

Use the back arrow to change the email address(es) to the FIU employee email address.

If you do not edit the email address, the survey will end, and **EH&S will reject the submission.**

If you have received this in error, contact the Program Coordinator, Victoria Villa, at vmvilla@fiu.edu.

- End Survey

Skip To End of Survey if “End Survey” is selected in Q2.5.

Q2.6 You have entered either "student," "intern," or "volunteer" as the role for the Primary or the Alternate Contact.

Display Q2.6 if the text response for Role (Job Title) contains “student”, “intern”, “candidate”, or “volunteer” in Q2.1 and Q2.2.

Students, interns, and volunteers are not authorized to complete the LSA. Contact your supervisor to determine your role. EH&S will NOT accept this submission if you proceed.

Use the back arrow to change the role.

If you do not edit the role(s), the survey will end, and **EH&S will reject the submission.**

If you have received this in error, contact the Program Coordinator, Victoria Villa, at vmvilla@fiu.edu.

- End Survey

Skip To End of Survey if “End Survey” is selected in Q2.6.

Q2.7 Is this space a shared space?

(A shared space is where multiple groups share a single room or room number.

It is required for every group to submit an LSA because each group is responsible for managing various hazards, operations, personnel, and administrative controls on an individual basis. Contact vmvilla@fiu.edu with any questions.)

- Yes, the room/room number is being used by multiple groups. Specify the last name of the group leads. _____
- No, the space is not shared

Q2.8 Select one space type.

- Research
- Academic
- Both

Q2.9 Select one space classification that best describes the room/space.

- Laboratory
- Laboratory Support Space
- Shop / Art Studio
- ACF
- Clinical / Clinical Support Space
- Hazardous Storage Area
- Stock Room
- Office / Conference Room

Q2.10 Provide a concise description of the operations conducted within the space.

Q2.11 Are there hazards found in the space?

Display Q2.11 if "Office / Conference Room," "ACF," or "Shop / Art Studio" was selected in Q2.10.

(For the LSA, hazards are defined as:

Biological Materials

Chemicals

Controlled Substances

Laser(s)

Compressed Gas Cylinders (including Cryogenes)

Nanomaterial/technology

Radioactive Materials/Equipment

Waste Generator (Biological, Chemical, Radioactive, Universal Waste, etc.)

- Yes, there are hazards
- No, there are no hazards
- Sometimes, hazards are in the space

Skip to *End of Survey* if "No, there are no hazards" is selected in Q2.11

Q2.12 Are there hazards found in the space?

Display Q2.12 if "Clinical/Clinical Support Space" was selected in Q2.10.

(For the LSA, hazards are defined as:

Chemicals

Controlled Substances

Laser(s)

Compressed Gas Cylinders (including Cryogenes)

Nanomaterial/technology

Radioactive Materials/Equipment

Waste Generator (Chemical, Radioactive, Universal Waste, etc. [Excluding Biological Waste])

- Yes, there are hazards
- No, there are no hazards
- Sometimes, hazards are in the space

Skip to *End of Survey* if "No, there are no hazards" is selected in Q2.13

Inventory Block

Q3.1 Select all the Special Hazards utilized, stored, produced, or found in the space:

EH&S Resources:

Biological Safety Program Webpage <https://ehs.fiu.edu/safety-programs/biological/index.html>

Chemical Safety Program Webpage <https://ehs.fiu.edu/safety-programs/chemical/index.html>

Controlled Substance Safety Program Webpage <https://ehs.fiu.edu/safety-programs/controlled-substances/index.html>

Guidelines for Safe Storage, Use, and Handling of Dry

Ice <https://ehs.fiu.edu/assets/docs/lab-safety/dry-ice-usage-guidelines.pdf>

Laser Safety Program Webpage <https://ehs.fiu.edu/safety-programs/laser/index.html>

Compressed Gas Cylinder Safety Webpage <https://ehs.fiu.edu/safety-programs/industrial/compressed-gas-cylinders/index.html> (includes Cryogenic)

Hazardous Waste Safety Program Webpage <https://ehs.fiu.edu/safety-programs/environmental-compliance/index.html#3>

Radiation Safety Program Webpage <https://ehs.fiu.edu/safety-programs/radiation/index.html>

- Biological Materials
- Chemicals
- Controlled Substances
- Laser(s)
- Compressed Gas Cylinders (includes Cryogens)
- Nanomaterial/technology
- Radioactive Materials/Equipment (Ionizing Radiation)
- Generate Waste (Biological, Chemicals, Radioactive, Universal Waste, etc.)
- No Hazards

Q3.2 You selected Waste Generator; Select all the types of waste generated in the space:

Display Q3.2 if "Generate Waste (Biological, Chemicals, Radioactive, Universal Waste, etc.)" is selected in Q3.1.

(Review the following EH&S resources:

Biological Waste <https://ehs.fiu.edu/safety-programs/biological/biomedical-waste/index.html>

Chemical Waste or Hazardous Waste <https://ehs.fiu.edu/safety-programs/environmental-compliance/index.html#3>

Controlled Substance Webpage <https://ehs.fiu.edu/safety-programs/controlled-substances/index.html>

Radioactive Materials Webpage <https://ehs.fiu.edu/safety-programs/radiation/index.html>

Universal Waste Webpage <https://ehs.fiu.edu/safety-programs/environmental-compliance/index.html#4>)

- Biological Waste

- Chemical Waste
- Radioactive Waste
- Universal Waste
- Combination Waste (two or more types of mixed waste)
- Other, Specify: _____

Q3.3 Select all the Safety Equipment present in the space:

(For more information, check out the following :

Biological Safety Cabinet <https://ehs.fiu.edu/safety-programs/biological/biosafety-cabinets/index.html>

Guidelines for Safe Use of Laboratory Fume

Hood <https://ehs.fiu.edu/assets/docs/chemical/fume-hoods-guidelines.pdf>)

- Biological Safety Cabinet
- Deluge Hose/ Eye Wash / Safety Shower
- Fume Hood
- Other (specify) _____
- No Safety Equipment

Q3.4 Select all of the following that is present or performed in the space:

(For more information, check out the Industrial Safety

Webpage: <https://ehs.fiu.edu/safety-programs/industrial/index.html>)

- Hand and Power Tool(s)
- Machinery
- Woodworking Operations
- Dust Collector
- Hazardous Energy (electrical, mechanical, hydraulic, pneumatic, thermal, etc.)
- Electrical Panel(s)
- Electrical Shutoff(s)
- Confined Space(s)
- Overhead Crane
- Powered Industrial Truck(s)
- None of the above

Q3.5 Is hot work conducted in your space?

(Hot work involves burning, welding, or similar operations capable of initiating sparks, fires, or explosions. Hot work may be performed on university property with proper permits and training. A hot work permit is not required for Bunsen Burners connected to the plumbed gas lines. However, a hot work permit is required if a gas tank/compressed gas cylinder is the source.

Visit EH&S' Fire Safety Hot Work Permit web page <https://ehs.fiu.edu/safety-programs/fire/guidelines-permits/index.html>.

Note: hot work permits expire and need to be resubmitted.)

- Hot work performed with Hot Work Permit
- Hot work performed WITHOUT Hot Work Permit
- No hot work is conducted in the space

Q3.6 Does the space have a sink with an EH&S 'Restrict Chemical Discharge' sticker displayed?

(Stickers must be visible and posted at each sink. Request Stickers Restricting Chemical Discharge here: <https://ehs.fiu.edu/resources/index.html#3>.)

- Sink(s) is present with EH&S sticker
- Sink(s) is present WITHOUT EH&S sticker
- No sinks in the space

Q3.7 What is the current status of the space?

(Active = means the space is operational (even at a reduced capacity).

(Inactive = means the space is vacant of occupants and not currently operational.)

- Active
- Inactive

Q3.8 Current Status of space: Inactive(closed)

Display Q3.8 if "Inactive" is selected in Q3.6.

Please explain why the space is inactive/not operational/closed:

Skip to the *End of Survey*

General Safety Block

Q4.1 Is the space free of evidence of food and drink consumption?

(Food and drink consumption/storage is strictly prohibited in the lab area because it presents the possibility of contamination and ingesting hazardous materials. Food/drink should not be stored in refrigerators, shelves, cabinets, freezers, or countertops where hazardous materials are present. Refrigerators and freezers should be labeled with signage prohibiting food or drink storage.)

- Yes
- No
- N/A to this area

Q4.2 Is Personal Protective Equipment (PPE) available and in good condition for all space occupants?

(All space occupants, including but not limited to employees, students, volunteers, visitors, etc., must be provided with PPE for the hazards found in the space. Before distributing/providing, check the PPE for holes, wear and tear, and damages to ensure it is in good condition, and replace it if needed.)

- Yes
- No
- N/A (does not apply to this space)

Q4.3 Are all occupants of the space utilizing/wearing the appropriate PPE?

(Prior to entering the space, all occupants must don the appropriate PPE depending on the hazards found in the space. All users must enroll in the FIU Respiratory Protection Program for medical evaluation, fit testing, and training if respirators are required. Request fit testing information via email to ehs@fiu.edu.)

- Yes
- No
- N/A (does not apply to this space)

Q4.4 Visual Inspection: Has the space undergone its annual visual inspection by its occupants, with any concerns or issues promptly reported to the Facilities Management Department?

(The visual inspection should include checking the integrity of the space, ensuring all equipment is calibrated and functioning correctly, and that anything damaged is repaired or replaced. The assessment should include checking the ceiling, floors, and walls to ensure they are intact and undamaged; reviewing equipment to ensure they are functioning correctly and calibrated if required; and ensuring the furniture are functioning properly.

To request a work order, log in to the Department of Facilities Management portal here: <https://myfacilities.fiu.edu/>)

- Yes, a visual inspection is conducted annually
- No, a visual inspection is NOT conducted annually

Q4.5 Are the electrical receptacles/outlets in good condition (no cracks or chips present), and are face plates in place?

(The electrical receptacles or outlets must be in good condition with no visible damage to the face plate. All electrical receptacles must have a face plate installed.

Report damaged or missing electrical receptacles by requesting a work order with Facilities Management: <https://myfacilities.fiu.edu/> or call (305)348-4600.)

- Yes
- No

Q4.6 Does your lab have ground-fault circuit interrupter (GFCI) outlets installed close to a water source?

(GFCI is a fast-acting circuit breaker designed to shut off electric power in the event of a ground fault within as little as 1/40 of a second [OSHA, 29 CFR 1926.404]. All electrical receptacles by the sink or open water sources (i.e., aquariums) must incorporate GFCI outlets. A portable GFCI outlet can be used if the water source is not permanently installed.

Request the installation of a GFCI outlet by requesting a work order with Facilities Management: <https://myfacilities.fiu.edu/> or call (305)348-4600.)

- Yes
- No
- N/A (no open water sources in this space)

Q4.7 Are all cords away from doors, walkways, and metal furniture?

(Electrical cords are fire and tripping hazards. Ensure that they are not obstructing the path of egress, including (but not limited to) doors, doorways, aisles, corridors, hallways, etc. Also, ensure electrical cords are not close to metal furniture.)

- Yes
- No

Q4.8 You did not select any special hazards or safety equipment. Are you sure you want to end this survey?

Display Q4.8 if "No Hazards" is selected in Q3.1 and "No Safety Equipment" is selected in Q3.3.

If not, utilize the back button and edit your response.

- Yes, End the Survey

Skip to the *End of Survey* if "Yes, End the Survey" is selected in Q4.8.

Administrative Block

Q5.1 Is the space enrolled in the Emergency Signage Program?

(The EH&S Emergency Signage Program is a mandatory initiative that ensures FIU is compliant with the Globally Harmonized System (GHS), National Fire Protection Association (NFPA), and Hazard Communication regulatory requirements.

Visit EH&S's Lab Signage web page <https://ehs.fiu.edu/safety-programs/laboratory/index.html#3>.

See OSHA's GHS

pictograms https://www.osha.gov/Publications/HazComm_QuickCard_Pictogram.html.

)

- Yes
- No
- N/A to this space because there are no hazards

Q5.2 Is the appropriate hazard signage displayed on the materials and equipment within the space?

(Signage should be appropriate for the type of hazards in the space. Signage is required on any equipment or container where the hazards are used or stored; signage must be consistent with the GHS requirements and cannot be abbreviated.

See EH&S's Chemical Hygiene Plan <https://ehs.fiu.edu/safety-programs/chemical/chemical-hygiene-plan/index.html>.

See OSHA's GHS

pictograms https://www.osha.gov/Publications/HazComm_QuickCard_Pictogram.html)

- Yes
- No
- N/A to this space

Q5.3 Is access into the space limited or restricted to authorized personnel?

(Per FIU Security of Special Hazards Policy, access to lab areas should be restricted to lab personnel only. Lab doors should not be propped open unless lab staff is present. Unauthorized personnel (i.e., vendors, contractors, etc.) shall not have access to the lab area unless they are accompanied by lab staff.

Check the key card access records every 4-6 months to ensure unauthorized personnel are not listed. To prevent unauthorized entry by custodial personnel when the lab is closed, place the trash bins outside the lab entrance door.)

- Yes
- No
- N/A (the space does not require limited or restricted access)

Q5.4 Select all the specialized disposable containers found in the space:

(There are various types of disposable containers depending on the materials/hazards in the space and whether or not it is contaminated.

Broken Glass containers are required if there is glass in the space (uncontaminated)

Please note: contaminated glass (i.e., chemicals, radioactive materials, etc.) must be treated as solid hazardous waste

Sharps containers are required if there are sharps in the space (like razor blades)
Biohazard bins are required if there are biological materials in the space (can include broken glass, needles, scalpels, etc., in contact with biological materials).

View EH&S's Laboratory Glassware Disposal

Guidelines (<https://ehs.fiu.edu/assets/docs/lab-safety/lab-glassware-disposal-guidelines.pdf>.)

- Broken Glassware Container
- Sharps Container
- Biohazard Bin
- Other (specify) _____
- None

Q5.5 Is there a first aid kit that is checked annually and restocked when utilized?

- Yes, First Aid Kit is present
- Yes, First Aid is present but not checked annually or not restocked
- No, First Aid Kit is present
- First Aid Kit is NOT required

Q5.6 Does the space have spill kit(s) for all previously selected hazards?

(Spill kits, designed for specific hazards, are all-in-one containers used to contain and clean up small leaks and spills rapidly; they can be purchased or assembled and must be inspected annually to ensure it is stocked. These kits should include compatible receptacles, absorbent materials, cleaners, chemical neutralizers, and personal protective equipment, and all individuals in the space should be trained on their usage, location, restocking procedures, and appropriate clean-up and reporting protocols, regardless of their direct involvement with hazardous materials.

If you have any questions, please contact vmvilla@fiu.edu)

- Yes, all spill kits are in place
- Some spill kits are in place, but some are missing
- No, there are no spill kits in place
- Spill kits do NOT apply to the space

Q5.7 Select all the documents that are current and reflect all the hazards and operations in the space.

(All of the following documents must be implemented before commencing work and adjusted before introducing a new hazard or operation/procedure.)

- Standard Operating Procedures
- Emergency Hazardous Spill Procedures
- Emergency Incident or Injury Procedures
- Emergency Evacuation Procedures
- Emergency Shutdown Procedures
- None are up-to-date
- None are required

Q5.8 Select all of the documents that are displayed in the space.

(All of the following documents must be displayed (printed and posted) in the space.)

- Emergency Hazardous Spill Procedures
- Emergency Incident or Injury Procedures
- Emergency Evacuation Procedures
- Emergency Shutdown Procedures
- ☒ None are displayed
- ☒ None are required

Q5.9 Select all the documents the supervisor has annually reviewed and provided to all space occupants (physical or electronic).

(It is mandatory for supervisors to advise every individual in a given space of the hazards, procedures, and emergency plans. Supervisors must annually review and provide all the documents below to all space occupants to ensure awareness of potential risks, hazards, operations, and emergency protocols.)

- Standard Operating Procedures
- Emergency Hazardous Spill Procedures
- Emergency Incident or Injury Procedures
- Emergency Evacuation Procedures
- Emergency Shutdown Procedures
- ☒ None are displayed
- ☒ None are required

Q5.10 Are all space occupants up-to-date with the required EH&S Training?

(All space occupants are required to complete various EH&S training based on the hazards/operations in the space. Review the Laboratory Training Matrix <https://ehs.fiu.edu/assets/docs/training/required-training-laboratories.pdf> to see which trainings are required based on the hazards found in the space.

The minimum Core trainings are Laboratory Hazard Awareness, Hazard Communication, and Fire Safety.

To access all of EH&S trainings, go to <https://develop.fiu.edu/> and log in using your FIU credentials.)

- All space occupants are up-to-date with the required EH&S Training
- Some space occupants are up-to-date with the required EH&S Training
- Space occupants are NOT up-to-date with the required EH&S Training
- EH&S Training does not apply to the space

Q5.11 Are the required EH&S training records for all space occupants accessible either physically or electronically?

(All the required EH&S training certificates for each individual must be kept in the space. The certificates can be in an electronic folder or physically printed out as long as everyone in the space has access to this information at all times.)

Note: QR codes can be generated and posted instead of printing all training certificates.)

- All the required EH&S training records are available/displayed
- Some of the required EH&S training records are available/displayed
- The required EH&S training records are NOT available/displayed
- EH&S Training does not apply to the space

Q5.12 Has the supervisor conducted on-the-job training annually with all space occupants, including a review of all the hazards found in the space and all operations conducted within the space?

(It is mandatory for supervisors to provide on-the-job training annually to all individuals occupying a given space. The on-the-job training should include reviewing the necessary personal protective equipment, identifying potential hazards and risks, outlining proper disposal methods for hazardous materials, and instructing on the correct procedures for operating within the space.)

- All space occupants have received on-the-job training annually
- Some space occupants have received on-the-job training annually
- Space occupants have NOT received on-the-job training annually

Special Hazards Safety Block

Q6.1 Select all the Radioactive Material and/or Equipment types found, stored, used, or produced in the space.

Display Q6.1 if “Radioactive Materials/Equipment (Ionizing Radiation)” is selected in Q3.1.

(Technically Enhanced Naturally Occurring Materials (TENORM): Naturally occurring substances, such as uranium and thorium, that have been concentrated or processed for industrial use and can emit ionizing radiation.

Radioactive materials: Substances that spontaneously emit ionizing radiation due to the presence of unstable atomic nuclei, commonly found in nuclear reactors, medical facilities, and industrial settings.

Sealed sources: Radioactive materials securely sealed in containers or capsules, used in various applications like industrial gauges, radiography, and medical devices.

Check sources: Small, calibrated radioactive sources are used for quality control and calibration purposes in radiation detection and measurement instruments.

Devices that emit X-rays: Equipment, like X-ray machines and CT scanners, that generate X-ray radiation for medical diagnostics, scientific research, and industrial imaging purposes.

If you have any of the above five (5) sources of ionizing radiation, please discuss it with the Radiation Safety Officer (RSO), Dr. David Roelant, at roelantd@fiu.edu.

For more information, check out EH&S's Radiation Safety Program web page <https://ehs.fiu.edu/safety-programs/radiation/index.html>.)

- Technically Enhanced Naturally Occurring Materials (TENORM)
- Radioactive Materials
- Sealed Sources
- Check Sources
- Devices That Emit X-Rays
- Other (specify) _____

Q6.2 Select all the laser class(es) located in the space.

Display Q6.2 if “Laser(s)” is selected in Q3.1.

- Class 1
- Class 2
- Class 3R
- Class 3B
- Class 4
- Other (specify) _____

Q6.3 Select all the base material(s) of the Nanomaterial(s) in the space.

Display Q6.3 if "Nanomaterial/technology" is selected in Q3.1.

(See EPA's Nanomaterials Fact

Sheet [https://www.epa.gov/sites/production/files/2014-](https://www.epa.gov/sites/production/files/2014-03/documents/ffrofactsheet_emergingcontaminant_nanomaterials_jan2014_final.pdf)

[03/documents/ffrofactsheet_emergingcontaminant_nanomaterials_jan2014_final.pdf](https://www.epa.gov/sites/production/files/2014-03/documents/ffrofactsheet_emergingcontaminant_nanomaterials_jan2014_final.pdf).)

- Carbon-based
- Metal-based
- Quantum Dots
- Dendrimers
- Composite
- Other (specify) _____

Q6.4 Select all of the following types of biological materials found in the space.

Display Q6.4 if "Biological Materials" is selected in Q3.1.

- Bio-infectious Material
- Recombinant DNA (rDNA)
- None of the above types of biological materials are in the space

Q6.5 Are all gas cylinders adequately secured and have the FIU 'stage of use' tags?

Display Q6.5 if "Compressed Gas Cylinders (includes Cryogen)" is selected in Q3.1.

(All gas cylinders must be secured with a wall mount bracket with a firm strap (i.e., polypropylene strap) or a chain. All gas cylinders must have 'stage of use' tags indicating whether the gas cylinder is full, in service, or empty.

Request additional 'Stage of Use' tags through our Sticker/label/Tag Request found here: <https://ehs.fiu.edu/resources/index.html#3>)

- Yes
- No

Q6.6 Select all types of chemicals found in the space?

Display Q6.6 if "Chemicals" is selected in Q3.1.

- Carcinogen
- Peroxide Forming Material
- None of these options

Q6.7 Is the peroxide-forming material(s) dated to show when it was received and opened?

Display Q6.7 if "Peroxide Forming Material" is selected in Q6.6.

(Peroxide-forming materials are organic materials that can react with atmospheric oxygen to form potentially explosive peroxide(s). The date of receipt must be clearly written on the container and logged on a sheet.

See EH&S's Chemical Hygiene Plan for a list of peroxidizable chemicals and guidelines for ordering, storing, and testing

[https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=56.](https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=56))

- Yes
- No

Q6.8 Is the peroxide-forming material(s) checked for peroxides OR disposed of at least every six (6) months?

Display Q6.8 if "Peroxide Forming Material" is selected in Q6.6.

(The time limit for storing peroxide-forming materials varies depending on the solvent/material. FIU requires users to check the integrity of the storage containers periodically. The container shall not be older than six (6) months, or proof of inspections conducted every three (3) months must be available.

See EH&S's Chemical Hygiene Plan for a list of peroxidizable chemicals and guidelines for ordering, storing, and testing

[https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=56.](https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=56))

- Yes
- No

Q6.9 Does the space have an accurate, up-to-date inventory of all the chemicals in the space recorded in the EH&S Chemical Inventory System?

Display Q6.9 if "Chemicals" is selected in Q3.1.

(The EH&S Chemical Inventory System is a mandatory tracking system for all the chemicals found in the space. Ensure your chemical inventory is accurate in the EHS Chemical Inventory System.

To access the web-based program, visit: <https://ehsinventory.fiu.edu/>

If you need assistance, further information, or troubleshooting help, contact vmvilla@fiu.edu.)

- Yes, the chemical inventory is accurate in the EHS Chemical Inventory System
- No, the chemical inventory is not accurate in the EHS Chemical Inventory System

Q6.10 Are all the Safety Data Sheets(SDS) for all chemicals/materials located in the space and accessible to all?

Display Q6.10 if "Chemicals" is selected in Q3.1.

(The Safety Date Sheets, formally known as Material Safety Data Sheets (MSDS), must be accessible to everyone in the space at all times.)

- SDSs are accessible
- Some SDSs are accessible
- SDSs are NOT accessible

Q6.11 Are the chemical containers adequately labeled?

Display Q6.11 if "Chemicals" is selected in Q3.1.

(Chemical containers shall be labeled with the chemical name per the SDS; this also applies to secondary chemical containers. The chemical formula shall not substitute the chemical name except for labeling the container where a small quantity of a compound synthesized in the laboratory is stored. Chemicals should be labeled per GHS requirements.

View EH&S's Hazard Communication web page <https://ehs.fiu.edu/safety-programs/chemical/hazard-communication/index.html>.

Review EH&S's Chemical Hygiene Plan for OSHA's minimum labeling requirements <https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=20>.)

- Yes
- No

Q6.12 Are the chemicals stored in appropriate containers?

Display Q6.12 if "Chemicals" is selected in Q3.1.

(Containers shall be in good condition with no sign of leakage, compatible with the chemical stored in them, labeled per GHS requirements, and have a lid.

Review EH&S's Chemical Hygiene Plan for Chemical Compatibility Storage Guidelines <https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=72>.)

- Yes
- No

Q6.13 Are the chemicals stored according to hazard category and compatibility (not alphabetically)?

Display Q6.13 if "Chemicals" is selected in Q3.1.

(Refer to the chemical's/material's SDS for storage requirements. EH&S recommends storing chemicals on low shelves following best laboratory practices.

Review EH&S's Chemical Hygiene Plan for Chemical Compatibility Storage Guidelines <https://ehs.fiu.edu/assets/docs/chemical/chemical-hygiene-plan.pdf#page=72>.)

- Yes
- No

Q6.14 Select all of the types of waste accumulation containers/areas present in the space:

Display Q6.14 if “Biological Waste”, “Chemical Waste”, “Radioactive Waste”, “Universal Waste”, “Combination Waste (two or more types of mixed waste)”, “Other, Specify:” is selected in Q3.2.

(You previously selected: [Selected Choice from Q3.2])

- Biological/Biomedical Waste Container
- Satellite Accumulation Area for Hazardous Waste (Chemical)
- Solid Hazardous Waste Container
- Radioactive Waste Container
- Universal Waste Container
- Other (specify) _____
- Combination Waste Container (specify combination) _____
- ☒ None of the above

Safety Equipment Block

Q7.1 Is the emergency wash unit(s) free from all obstructions (available/accessible)?

Display Q7.1 if "Deluge Hose/ Eye Wash / Safety Shower" is selected in Q3.3.

(The path to and around the emergency wash unit must not be obstructed (3 feet of clearance is observed).)

- Yes
- No

Q7.2 Has the chemical fume hood been certified within the past year?

Display Q7.2 if "Fume Hood" is selected in Q3.3.

(EH&S requires all fume hoods to be certified annually; the certification's results are recorded on the face of the fume hood.)

Report unit(s) without a current annual certification vmvilla@fiu.edu.)

- Yes
- No

Q7.3 Is the chemical fume hood(s) clear of excessive storage?

Display Q7.3 if "Fume Hood" is selected in Q3.3.

(Do not permanently store any chemicals inside the fume hood. Remove all items not required for procedures in progress; keep the materials in the fume hood to a minimum, and do not allow them to block vents or airflow.)

- Yes
- No

End of Survey Block

Q8.1 You have reached the end of the Laboratory Self Audit. Select 'Submit LSA' to complete the survey or utilize the back arrow to make edits.

- Submit LSA