

Safety on Campus

Presented by:

Office of General Counsel: Jenna Martin;

Human Resources: Cherise Laud;

Safety Office: Kevin Macartney, Jim Herrold, Hannah Goodnight, Bailey Wallace;

Research Compliance: Vitoria Mattos Pereira, & Carrie Hesco;

December 16, 2024

10:00am



Shared Responsibility

- Everyone can help mitigate risk
- Compliance necessary part of being a state institution and receiving federal funding
- Important work = higher safety standards

Jenna Martin
Deputy General Counsel
307-766-5007
jmart131@uwyo.edu

General Counsel's Role

Compliance

- All programs today are subject to Federal and/or State regulations
- Various units have direct responsibility for respective programs, but General Counsel can help monitor, interpret, and comply with regulations
- Report early!
- We can help coordinate with the appropriate units as necessary

Safety on Campus

Agenda

- **Injury Reporting and Incident Reporting Procedures**
- **Laboratory Safety**
- **Radiation Safety Office and Biological Safety Office**
- **Animal Occupational Health Safety Program**
- **Import and Export of Biological Material**
- **Asbestos**

INJURY REPORTING AND INCIDENT REPORTING PROCEDURE

Cherise Laud
Benefits & Retirement Specialist, Sr.
307.766.2437 claud@uwyo.edu

The first priority is protecting people, followed immediately by securing hazardous materials and the scene for safety.

For an **emergency, call 911**

Report injuries and incidents **immediately** to your supervisor.

Seek medical attention if necessary.

Advise the health care provider that you are employed by UW and that you were injured on the job. If you are asked for a case or claim number, explain that it will be issued by the Wyoming Workers' Compensation office. Take the UW Work-Related Injury Follow-up Form with you to your appointment. Send this completed form to Cherise Laud in Human Resources, claud@uwyo.edu.

INJURY REPORTING AND INCIDENT REPORTING PROCEDURE

Medical Facilities

Urgent Care facilities in Laramie:

- Grand Avenue Urgent Care, 3236 Grand Ave. (307) 760-8602
- BestMed Urgent Care, 3810 Grand Ave, (307) 721-1794
- Convenient Care – Ivinson Memorial Hospital, 3116 E. Willett Dr. (307) 755-4540

Emergency Department in Laramie:

- Ivinson Memorial Hospital, 255 North 30th St. (307) 742-2141

Medical care outside of Laramie:

- See nearest medical care provider

INJURY REPORTING AND INCIDENT REPORTING PROCEDURE

Wyoming Workers' Compensation and Injury Reporting

Workers' Compensation

- Administered by Wyoming Department of Workforce Services
- For all workplace injuries, complete a Report of Injury Form, sign and return to Cherise Laud
 - (claud@uwyo.edu) or fax: (307) 766-5636
 - The Report of Injury is not a claim for benefits; If benefits are sought, additional steps and forms will be required; Do not return the form directly to Workforce Services

The Workers' Compensation Report of Injury Form is available here:

UW Safety Office: <https://www.uwyo.edu/safety/procedures/incident-injury-reporting.html>

A complete information guide on work-related injury procedures is available here:

UW Human Resources: https://www.uwyo.edu/hr/_files/docs/employee-benefits/workers-comp-fillable-injury-report.pdf

INJURY REPORTING AND INCIDENT REPORTING PROCEDURE

Wyoming Workers' Compensation and Injury Reporting

To report an accident that involves:

- A motor vehicle being used for UW business
- Damage to UW property
- Injury to a third party
- Student Injuries and incidents (not UW employees)

Please complete the **UW First Report of Accident/Injury** at:

<https://www.uwyo.edu/risk/files/docs/accident-reporting-form2022.pdf>

Return Completed Form to UW Risk Management, 643 Hill Hall, or by email to risk@uwyo.edu



Lab Safety and Chemical Hygiene

Kevin Macartney, Chemical Safety Specialist

uwehs@uwyo.edu

Laboratory Safety



University of Wyoming Safety

Hill Hall 6th Floor

Phone: (307) 766-3277

Regulated Materials Management Center

Phone: (307)766-3697 Fax: (307)766-3699

Web: www.uwyo.edu/safety Email: uwehs@uwyo.edu



Chemical Hygiene Plan

- OSHA requires employers with laboratory use of hazardous chemicals to have a Chemical Hygiene Plan. 29 CFR 1910.1450.
 - Minimize employee exposure to regulated chemicals at or below OSHA permissible exposure limits.
 - Proper training in recognition of hazards, safe handling, and use of chemicals.
- <https://www.uwyo.edu/safety/chemical/lab-safety.html>

2024 Methylene Chloride Regulation under TSCA

- Restricts allowed Conditions of Use
 - Industrial use as a laboratory chemical
 - Processing as a reactant
 - Processing as incorporation into formulation, mixture or reaction product
 - Disposal
- Required downstream notification for any manufacturing
- Workplace Chemical Protection Program
 - Required for any exposure over 2 ppm
- Key Dates:
 - Initial Monitoring: **November 9, 2026**
 - Establish Regulated Areas: February 8, 2027
 - Ensure compliance: May 10, 2027

New Laboratory Signage on UW Campus

- Unified entry hazard communication
- Replaces multiple door signs
- Updates NFPA hazard placarding for first responders
- Updated contact information for each laboratory space
- Email uwehs@uwyo.edu



ENTRY REQUIREMENTS

No Open Toed Shoes
No Food or Drink
Do Not Apply Cosmetics, Lip Balm, or Handle Contact Lenses
No Open Flames

Long Pants Required
Eye Protection Required

CHEMICAL HAZARDS

Health Hazard
Compressed Gases

HAZARDS

CAUTION: X-RAY EQUIPMENT

Name	Title	Department	Work Phone	After Hours
EMERGENCIES		UW Police Dept.	307-766-5179	911
BUILDING/FACILITIES		UW Operations	307-766-6225	307-766-5179
Qian Yang	Research Scientist	CASI	307-766-4449	911
Kevin Macartney	Chemical Safety Specialist	UW Safety Office	307-766-6116	911
Jim Herrold	Radiation Safety Officer	UW Safety Office	307-766-2638	911



AUTHORIZED PERSONNEL ONLY

ENTRY REQUIREMENTS

Restricted Area
No Open Flames
No Open Toed Shoes
No Food or Drink
Do Not Apply Cosmetics, Lip Balm, or Handle Contact Lenses

Lab Coat Required
Long Pants Required
Eye Protection Required
Hand Protection Required
Wash Hands upon exit

HAZARDS

BIOHAZARD
CANCER HAZARD
Radiation Hazard

This facility houses Radioactive Materials, Universal waste, Biohazardous Waste, and RCRA Hazardous Waste. Personal Protective Equipment required will be found in Standard Operating Procedures.

Carcinogens
Formaldehyde and others
Radioactive isotopes
H³, C¹⁴, I¹²⁵, and sealed sources

CHEMICAL HAZARDS

Acute Toxicity
Corrosive
Flammable
Compressed Gases

Health Hazard
Irritant - Toxic
Oxidizer
Environmental

Name	Title	Department	Work Phone	After Hours
EMERGENCIES		UW Police Dept.	307-766-5179	911
BUILDING/FACILITIES		UW Operations	307-766-6225	307-766-5179
Rene Mendez	Hazardous Materials Supervisor	UW Safety Office	307-766-3698	575-915-4495
Lisa Erikson	Hazardous Materials Specialist	UW Safety Office	307-766-3697	307-399-0405
Hannah Goodnight	Biological Safety Specialist	UW Safety Office	307-766-2723	911
Kevin Macartney	Chemical Safety Specialist	UW Safety Office	307-766-6116	911
Jim Herrold	Radiation Safety Officer	UW Safety Office	307-766-2638	911

Contact University of Wyoming Safety Office 307-766-3277 when changes to this signage are necessary. Location: SIB

Contact University of Wyoming Safety Office 307-766-3277 when changes to this signage are necessary. Location: RMMC



Lab Coat Program

- Two Types of Lab coats available for UW Students and Staff
 - Light blue fluid resistant for biological materials
 - Royal blue flame resistant/chemical protective
- Multiple drop off points for laundering soiled lab coats
 - High Bay Research Facility
 - Animal Science and Molecular Biology
 - Hill Hall (UW Safety Office)
 - Science Initiative Building
- https://www.uwyo.edu/safety/chemical/docs/lab_coat_type_and_size_request_form.pdf



Regulated Materials Management

UNWANTED OR SPENT MATERIALS FEDERAL LAW PROHIBITS IMPROPER DISPOSAL	
Generator name, department, phone number:	
Accumulation Start Date: _____ Must be disposed of within 6 months of start date	
Chemical contents of this container:	%
No abbreviations please. Call 766-3697 with any questions.	
HANDLE WITH CARE	

- Disposal of Chemical, Biological, Radioactive and Universal Wastes
 - Used batteries
 - Used bulbs
 - Contaminated Sharps
 - Unused/old chemicals
- Shipping of Hazardous Materials/Dangerous goods in compliance with DOT and IATA regulations
- Spill cleanup and hazmat response
- Contact Rene Mendez, Hazardous Materials Supervisor
 - Hazmat@uwyo.edu
 - <https://www.uwyo.edu/safety/rmmc/index.html>



Radiation Safety Office

Radiation Safety Officer: Jim Herrold

- radsafety@uwyo.edu
- (307)-766-3698
- 651 Hill Hall
- UW Website:
<https://www.uwyo.edu/safety/radiation/index.html>

Oversees:

- Sealed radiation sources
- Unsealed radioactive materials
- X-ray Safety program
- Laser Safety program



Radiation Safety Committee

Radioactive materials

- Permit application forms are required for
 - Unsealed radioactive material
 - Sealed sources (GC/ECD, moisture probes)
 - Generally licensed source materials (U/Th)
- Permit approval includes
 - Radioactive material inventory limits
 - Radioactive material storage and use areas
 - Protocols, transportation and waste disposal
 - Training requirements for users





Permitted X-ray uses

- Computed Tomography (CT) and Micro CT
- X-ray diffraction (XRD)
- Cabinet X-ray fluorescence (XRF)
- Hand-held X-ray fluorescence (XRF)
- DXA bone density scans
 - IRB approval required for human subjects
 - IACUC approval required for animal subjects

Biological Safety Office



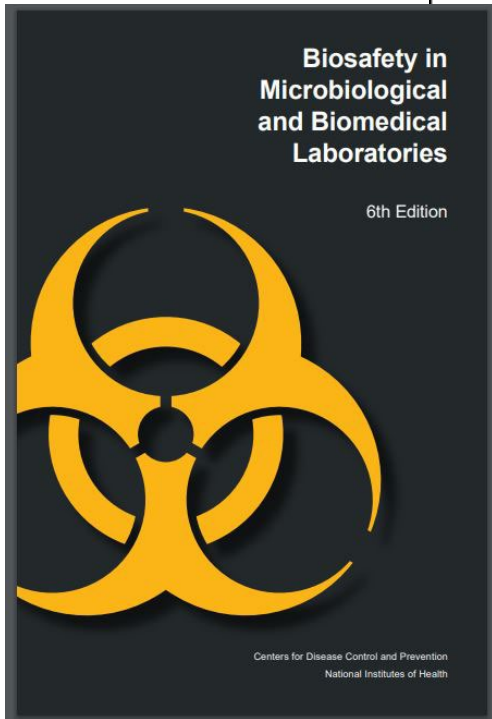
Biosafety Specialist: Hannah Goodnight

- Hannah.Goodnight@uwyo.edu
- (307)-766-2723
- 648 Hill Hall
- UW Website:
<https://www.uwyo.edu/safety/biological/index.html>

Oversee:

- Institutional Biosafety Committee (IBC)
- Select Agent Program
- Bloodborne Pathogen Program
- Biological Lab Safety

Institutional Biosafety Committee (IBC):



NIH GUIDELINES FOR RESEARCH INVOLVING RECOMBINANT OR SYNTHETIC NUCLEIC ACID MOLECULES (NIH GUIDELINES) APRIL 2019

DEPARTMENT OF HEALTH & HUMAN SERVICES
National Institutes of Health

NIH DA 100-017-000-001-01

For current information on Guidelines, Protocols, Preclinical Investigations, Meetings,
and Information about Approving Gene Therapy Policy Construction

NIH OFFICE OF SCIENCE POLICY CONTACT INFORMATION

Office of Science Policy, National Institutes of Health, 400 Rockledge Drive, Suite 700, MSC 700,
Bethesda, MD 20892-7003 | Fax: (301) 495-1300 | Email: OSPO@nih.gov | www.nih.gov/ospo

For inquiries, information requests, and report submissions: NIHOSPO@nih.gov

These NIH Guidelines shall supersede all earlier versions until further notice.

- Responsible for reviewing all University research and teaching activities involving:
 - Biohazards
 - recombinant DNA molecules
 - select agents
 - bloodborne pathogens

<https://www.uwyo.edu/safety/biological/IBC.html>



THE UNIVERSITY OF WYOMING

BIOCONTAINMENT FACILITY (UWBF)

Select agent program

- University of Wyoming's Biocontainment Facility
 - BSL-3 CDC select agent registered space.
 - **ONLY** space on campus approved for select agent work

<https://www.uwyo.edu/safety/biological/select-agents.html>

- OSHA's Bloodborne Pathogens standard 29 CFR 1910.1030.
- Bloodborne pathogens are infectious microorganisms present in blood that can cause disease in humans.
- If you are occupationally exposed to human blood or other potentially infectious materials (OPIM), as defined in the standard, you must follow the bloodborne pathogen standard.

<https://www.uwyo.edu/safety/biological/bloodborne-pathogens.html>

Biological Lab Safety

- Lab inspections
- Assistance with risk assessments
- Post incident response
- Biosafety cabinets



Animal Occupational Health Safety Program AOHSP

Vitoria Mattos Pereira, Animal Research Compliance Coordinator; vmattosp@uwyo.edu

- All research animal users must be enrolled in AOHSP and cleared to work with animals **before** handling them.
- Users who are not cleared will need to be removed from the protocol but can be added later once cleared
- Enrollment must be renewed every three years or upon change of health status



<https://www.uwyo.edu/research/research-compliance/occupational-health.html>

Importing Biological Materials into the U.S.



Extensive documentation requirements regardless of importation method - <https://www.cbp.gov/border-security/protecting-agriculture/importing-biological-materials-united-states>.



Contact Export Control – export@uwyo.edu early – don't wait until it is stuck in customs.



UW contracts with a license broker that can assist in the process.

Exporting Biological Materials outside the U.S.

Carrie Hesco

Export Control Office must approve all exports – contact export@uwyo.edu

The recipient will be checked against “Denied Parties” databases, and exported items will be classified for potential export restrictions.

Princeton University

On 37 occasions between 2013 and 2018, Princeton University engaged in conduct prohibited by the EAR when it exported various strains and recombinants of an animal pathogen controlled for chemical and biological weapons reasons from the United States to various overseas research institutions. These research institutions were located in Belgium, United Kingdom, Singapore, Canada, France, Israel, Japan, Denmark, Switzerland, Australia, Hungary, Portugal, South Korea, India and China. This case resulted from an investigation conducted by OEE’s New York Field Office. The Penalty: On February 1, 2021, Princeton University agreed to pay a \$54,000 civil penalty. The University was also ordered to complete an internal audit of its export controls compliance program, as well as an external audit to be conducted by an unaffiliated third-party consultant. Princeton University voluntarily disclosed the violations and cooperated fully with the investigation.

Asbestos

Bailey Wallace, Industrial Hygienist
bwallac9@uwyo.edu

- Asbestos was a common building material over many decades meaning many buildings on campus that have asbestos containing materials (ACM), much like the rest of the United States.
- The primary risk of asbestos is from inhaling small particles if the ACM is disturbed
- Undisturbed materials in good condition will not release asbestos fibers under normal circumstances.
- For office modifications, please contact UW Operations
 - Modifying includes hanging pictures, scraping or disturbing building materials including floor tiles and drywall

Additional Information

If you would like to learn more about asbestos, please refer to the Asbestos Awareness training by going to UW Safety Office Website: <https://www.uwyo.edu/safety/training/index.html>

Direct asbestos questions or concerns to the UW Safety Office:

- Emailing a Safety Concern Form to uwehs@uwyo.edu AND svsdesk@uwyo.edu
(<https://www.uwyo.edu/safety/files/homepage/uw-safety-concern-report-form.pdf>)
- Calling the UW Safety office at 307-766-3277