

From: [Chalmers, Ester A](#)
To: wlr@tamu.edu
Cc: GHodnett@ag.tamu.edu
Subject: Laboratory re-inspection evaluation for building 955
Date: Thursday, October 08, 2009 4:30:54 PM
Attachments: [Rooney - PI All Corrected.pdf](#)
[Rooney, William L..pdf](#)

Dr. Rooney,

Please see attached.

If you have any questions, please let me know.

Thank you,
Ester A. Chalmers
Environmental Safety Specialist
Texas A&M University
Environmental Health and Safety
4472 TAMU
979-845-4373

To: Dr. William L. Rooney
Professor
Soil and Crop Science
2474 TAMU

From: Ester A. Chalmers
Environmental Safety Specialist
Environmental Health & Safety
4472 TAMU

Date: October 8, 2009

Re: Follow-up Laboratory Inspection Summary Report
Greenhouse-Headhouse, Building 955

Follow-up inspections were conducted on October 2, 2009 for the laboratory facilities located in the building referenced above. These inspections were conducted to verify that Deficiencies have been corrected.

The attached Laboratory Inspection Report lists laboratory safety violations found during the initial inspection and the date each were corrected. *Please note that only items identified as Deficiencies were verified during re-inspection.* Items of Concern are expected to be corrected expediently at the discretion of the principle investigator. Items listed as Information are meant to provide information that can be used to make the lab safer for personnel and/or emergency responders.

Deficiencies noted in the initial inspection report have been corrected. The inspection reports have been updated accordingly. "Corrected Dates" will appear on those deficiencies that have been corrected.

Thank you for your efforts in ensuring a safe laboratory environment for Texas A&M University faculty, staff, students, and visitors.

Cc: Mr. George Hodnett

ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT

LABORATORY SAFETY EVALUATION

DEPT: **Soil & Crop Sciences**

PI: **William L. (Bill) Rooney**
Inspector : **Ester Chalmers**

Inspection Date(s)	Building Num/Name and Lab/Room(s) Inspected		Inspection Date(s)	Building Num/Name and Lab/Room(s) Inspected	
7/16/2009	0955 GREENHOUSE-HEADHOUSE	103	7/16/2009	0955 GREENHOUSE-HEADHOUSE	104
7/16/2009	0955 GREENHOUSE-HEADHOUSE	104A	7/16/2009	0955 GREENHOUSE-HEADHOUSE	106
7/16/2009	0955 GREENHOUSE-HEADHOUSE	108	7/16/2009	0955 GREENHOUSE-HEADHOUSE	108A

01. Laboratory Security

No unsafe conditions observed

02. Electrical Safety (NFPA Code)

No unsafe conditions observed

03. Fire/Life Safety (NFPA Code)

Item : *Combustibles stored within 24 inches of the ceiling (Item of Concern)*

Recommendation : *Remove combustible items that are stored within 24 inches of the ceiling.*

Regulation : *NFPA 1.10.19.3*

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	108A	GREENHOUSE-HEADHOUSE		

Item : *Bicycles observed in building (Information)*

Recommendation : *Bicycles are prohibited in buildings.*

Regulation : *NFPA 101.3.3.121*

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	103	GREENHOUSE-HEADHOUSE		

04. Safe Lab Practices

Item : *Inadequate hand-washing facilities (Item of Concern)*

Recommendation : *Provide adequate facilities for hand-washing (e.g. soap, paper towels, running water)*

Regulation : *29 CFR 1910.1030*

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	108	GREENHOUSE-HEADHOUSE		

Item : *Empty bottles are not defaced (Item of Concern)*

Recommendation : *Deface all empty bottles before re-use to prevent confusion over contents.*

Regulation : *25 TAC 295.6*

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	106	GREENHOUSE-HEADHOUSE		

Any questions? Call the Environmental Health and Safety Department at 845-2132.

[ANSI - American National Standards Institute, EPA - Environmental Protection Agency, NFPA - National Fire Protection Association, TCEQ - Texas Commission on Environmental Quality, TDH - Texas Department of Health]

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04. Safe Lab Practices

Item : Housekeeping needed (Item of Concern)

Recommendation : Housekeeping in this area needs to be improved. Dispose of clutter, including unnecessary boxes, old equipment, and trash.

Regulation : 29 CFR 1910.22(a)(1)

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	106	GREENHOUSE-HEADHOUSE		This violation was noted during the last evaluation but has not been corrected.
7/16/2009	108	GREENHOUSE-HEADHOUSE		

05. Physical Hazards

No unsafe conditions observed

06. Fume Hood/Biological Safety Cabinet

Item : Chemicals stored in fume hood/biological safety cabinet (Item of Concern)

Recommendation : Remove chemicals stored in fume hood/biological safety cabinet.

Regulation : Prudent Practices 1995, pages 73, 180

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	104	GREENHOUSE-HEADHOUSE		

07. Personal Protective Equipment/Eyewash/Shower(ANSI Standards,TDH HazCom Act)

Item : Inadequate eyewash (Item of Concern)

Recommendation : Provide an ANSI-approved continuous-flow eyewash (a squeeze bottle eyewash is not adequate).

Regulation : ANSI Z358.1-2004

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	104	GREENHOUSE-HEADHOUSE		Please contact Alvin Walker at 845-3047 or a-walker4@tamu.edu for information on an appropriate type.
7/16/2009	108	GREENHOUSE-HEADHOUSE		Contact Alvin Walker at 845-3047 or a-walker4@tamu.edu for information on an appropriate type.

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07. Personal Protective Equipment/Eyewash/Showers(ANSI Standards,TDH HazCom Act)

Item : Emergency shower/eyewash has not been tested (Information)

Recommendation : EHS will test the emergency shower/eyewash.

Regulation : ANSI Z358.1-2004

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	104	GREENHOUSE-HEADHOUSE		Inspector has notified the appropriate personnel within EHS to have the emergency shower/eyewash station tested.
7/16/2009	108	GREENHOUSE-HEADHOUSE		Inspector has notified the appropriate personnel within EHS to have the emergency shower/eyewash tested.

Item : Improper work attire, or personal protective equipment (Item of Concern)

Recommendation : Use appropriate PPE for work being performed (safety glasses, lab coat, gloves, etc). Ensure lab personnel are wearing appropriate clothing in lab (no shorts, bare midriffs, long hair, dangling jewelry or open-toed shoes).

Regulation : 29 CFR 1910.132

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	104A	GREENHOUSE-HEADHOUSE		Noted lab personnel was wearing shorts.

08. Chemical Storage (NFPA Code, TDH HazCom Act)

Item : Flammable chemicals found in household refrigerator/freezer or walk-in cooler (Deficiency)

Recommendation : Remove flammables stored in household refrigerator/freezer or walk-in cooler. Flammable chemicals needing refrigeration must be kept in a flammable materials or lab-safe refrigerator/freezer.

Regulation : NFPA 45.12.2.2

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	103	GREENHOUSE-HEADHOUSE	10/2/2009	Noted that the flammable chemicals were in the hallway refrigerators and freezer.

Item : Improper dating of chemicals (Item of Concern)

Recommendation : Date chemicals when received and again when opened. If date of acquisition or opening is unknown, back-date to the oldest known date for a reference point, e.g. Pre-2001.

Regulation : NFPA 45.9.2.3.4, NIOSH Publication 2007-107

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	103	GREENHOUSE-HEADHOUSE		Continue dating all chemicals.
7/16/2009	104	GREENHOUSE-HEADHOUSE		
7/16/2009	108A	GREENHOUSE-HEADHOUSE		

09. Waste Disposal (EPA/TCEQ Regulations)

No unsafe conditions observed

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10. Autoclave (TCEQ Regulations)

No unsafe conditions observed

11. Cryogenic Liquids

No unsafe conditions observed

12. Warning Signs/Labels (TDH HazCom Act)

Item : *Improper labeling of secondary container (Item of Concern)*

Recommendation : *Ensure that all containers are labeled to indicate contents; even those that contain water or are a part of equipment or experiments.*

Regulation : *29 CFR 1910.1200(f)(9)*

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	103	GREENHOUSE-HEADHOUSE		<i>Noted that in storage room, a squirt bottle and spray bottles were not labeled.</i>
7/16/2009	104	GREENHOUSE-HEADHOUSE		<i>Noted a bottle and carboy were not labeled.</i>
7/16/2009	104A	GREENHOUSE-HEADHOUSE		<i>Noted a spray bottle was not labeled.</i>

Item : *Emergency contact information is not posted (Item of Concern)*

Recommendation : *Post emergency contacts and off-hour phone numbers on all outer doors.*

Regulation : *TAMU Safety Manual 11-2*

Inspection Date	Lab/Room	Building Name	Date Corrected	Comments
7/16/2009	103	GREENHOUSE-HEADHOUSE		

13. Laser Safety

No unsafe conditions observed

14. Teaching Laboratories

No unsafe conditions observed

Additional Notes :

Noted that room 106 is a dark room that is not in use. Also noted sink hose is long. Recommend cutting it so that it is flush with the top of the sink.

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