

March 13, 2018

Mr. Sean Newton
Vance-Granville Community College
PO Box 917
Henderson, NC 27536-0917

Dear Mr. Newton:

Attached is a summary of services performed by the Environmental Health and Safety Institute (EHSI) for Vance-Granville Community College on March 7-8, 2018. If you have any questions, or if you would like to schedule another visit, please call me at 828-694-1749.

Please take a moment to explore our updated website at www.ncehsi.org. Here you will find a wide range of resources that will be useful to all aspects of your college's safety program. SafetyNet has proven to be a useful resource as EHSI has utilized it to deliver OSHA required training to thousands of college employees across the state. To find out more about SafetyNet, or to schedule an online class for your College, please contact Anne Smith at ehsi@blueridge.edu or (828) 694-1767.

We hope that you can join us for the 2018 EHSI Safety Leadership Conference at Blue Ridge Community College in Flat Rock, NC April 10-12, 2018. Go to our [website to register](#) or for information. This annual conference continues to grow each year and attendees appreciate the wealth of information and networking opportunities!

Please don't hesitate to contact us if you have questions or would like to schedule another visit.

Sincerely,



J. Allen McCullough MESH, CESCO
Director-EHSI

cc. Dr. Stelfanie Williams

Environmental Health and Safety Institute Visit Report

College: Vance-Granville Community College
Location: Henderson, NC
Date of Visit: March 7-8, 2018
Visited By: Dave Martin – Adv. MESH, CESCO, Asbestos Accreditation
Primary Contact: Sean Newton

Visit Activities:

Fume Hood Testing – Main Campus March 7, 2018

The fume hoods at the Main campus were tested to determine if they meet the OSHA and Scientific Equipment & Furniture Association (SEFA) standards. The testing complies with OSHA 29 CFR 1910.1450(e)(3)(iii) and SEFA 1-2006 Rev 1, *Laboratory Fume Hoods Recommended Practices, Section 4.4.1 face velocity*.

All fume hoods performed acceptably. The results of the fume hoods testing is listed below.

Location	Average Flow Rate (Feet/min)	Pass/Fail
Building 4 room 4202	125	Passed
Building 8 room 8113	166	Passed
Building 8 room 8108 A	116	Passed
Building 5 room 5210	194	Passed
Building 5 room 5212	100	Passed

Main Campus Inspection March 7, 2018 (Pictures and locations are numbered, #)

A safety inspection was conducted at the Main campus on March 8, 2017. The findings are listed below, those with an * before the location were on a previous report:

Location	Reference	Comments
Chem. Lab room 4202	29 CFR 1910.304(b)(i) and 1910.304(g)(6)(iv)(B)	Middle work bench the master GFCI doesn't reset.
Bldg. 8 room 8113 Pic #1	ANSI/ISEA Z358.1-2014	Eye wash by Biodiesel ran rusty water, should flush weekly.
* Bldg. 8 room 8110 and all other panels campus wide	1910.303(b)(1). 1910.303(b)(1)(vi) and NFPA 70E 2018	All electrical panels still need an arc flash analysis completed for each and the proper label affixed to the panels.
* Automotive 4105 and all other areas campus wide	1910.1200(g)(8) and 1910.1200	Many MSDS are still in the SDS notebooks. Request SDS (1 SDS found) from your suppliers for items you don't have SDS or go online to get them.
Bldg. 5 room 5210 A Pic # 2	1910.106(d)(1)(i) and (d)(3)	Prep room- a bottle of Ethanol should be in the flammable liquid storage cabinet. The gallon container maybe too large to fit the cabinet.

Location	Reference	Comments
* Carpentry 5109	29 CFR 1910.215(a)(4) and 1910.215(b)(9)	Pedestal grinder (Sears Craftsman) the work rests and tongue guards are not set at 1/8" and 1/4" respectively.
Carpentry 5109	1910.212(a)(1) and 1910.212(a)(3)	Orange extension cord in the coil basket has the connector end removed. If the cord is plugged in energized exposed wires are present. Should remove from service or repair.
* Carpentry 5109	1910.213(h)(4)	Delta radial arm saw's auto retract is broken. The manufacturer should have a shock absorber or other solution to avoid damage when retracting the heavy saw.
* Carpentry 5109	1910.212(a)(1) and 1910.212(a)(3)	Jet drill press needs a chuck guard.
HVAC room 5103 Pic #3	1910.303(g)(1)(i)(A) and 1910.303(g)(1)(i)(B)	Electric panel B is blocked by scrap copper wire containers.
HVAC room 5103 Pic #4	Check 1910.305(g)(1)(ii)(C) and the NEC	Yellow extension/flexible drop cords that go through the dropped ceiling- are they hard wired into a junction box and does that meet NEC standards?
* Welding 3101	ANSI/ISEA Z358.1-2014	Eye wash needs nozzle covers.
* Welding 3101	1910.215(a)(4) and 1910.215(b)(9)	Baldor pedestal grinder the work rests and tongue guards are not set at 1/8" and 1/4" respectively.

General comments

- Welding room 3101 - a new chuck guard now on the Jet drill press (#5).
- All areas were clean and storage was in good condition.
- No slip, trip or fall hazards were noted.
- All fire extinguishers inspected were in good condition and current with the monthly inspection and the annual service.
- Room 5212 not inspected class in progress.

Fume Hood Testing – Franklin Campus March 7, 2018

The fume hoods at the Franklin campus were tested to determine if they meet the OSHA and Scientific Equipment & Furniture Association (SEFA) standards. The testing complies with OSHA 29 CFR 1910.1450(e)(3)(iii) and SEFA 1-2006 Rev 1, *Laboratory Fume Hoods Recommended Practices, Section 4.4.1 face velocity*.

All fume hoods performed acceptably. The results of the fume hoods testing is listed below.

Location	Average Flow Rate (Feet/min)	Pass/Fail
Building F room F3105 (R)	215	Passed
Building F room F3105 (L)	210	Passed
Building F room F1206	177	Passed

Franklin County Campus Inspection March 7, 2018 (locations with an * were on a previous report).

Location	Reference	Comments
Bldg.F3 rm F 3105 A #6	ANSI/ISEA Z358.1-2014	Eye wash ran rusty water, should be tested weekly and the testing recorded on the logs.
Bldg. F3 rm F 3105	29 CFR 1910.304(b)(i) and 1910.304(g)(6)(iv)(B)	Middle lab bench GFCI has an open ground, repair or replace the GFCI.
* Bldg. F1 rm 2107	1910.212(a)(1) and 1910.212(a)(3)	Delta drill press still needs a chuck guard.
* Welding 2106	1910.215(b)(9)	Baldor pedestal grinder the tongue guards are not set at ¼".
* Welding 2106	1910.212(a)(1) and 1910.212(a)(3)	Jet drill press needs a chuck guard.
Welding 2106 Pic #7	1910.253(b)(5)(O)	One Argon is free standing not secured to the wall.
Welding 2106	1910.22(b)	Mezzanine storage above room F 2106 A needs a load rating sign.
Welding F2106 Pic #8	1910.305(a)(2)(x)	Fan cord has no strain relief on the plug end needs repair.
Welding F2106 Pic #9	1910.157(c)(1), 1910.157(e)(2) and 1910.157(e)(3)	Fire extinguisher on the floor should be mounted and no tag to verify monthly inspection and annual service.

General comments

- All areas were clean and storage was in good condition.
- No slip, trip or fall hazards were noted.
- All fire extinguishers inspected were in good condition and current with the monthly inspection and the annual service (except one noted).
- SDS books have old MSDS on file. Contact suppliers for current SDS or get SDS on line for all hazardous materials.
- All electrical panels still need an arc flash analysis completed for them and the proper label affixed to the panels.

South Campus Inspection March 8, 2018

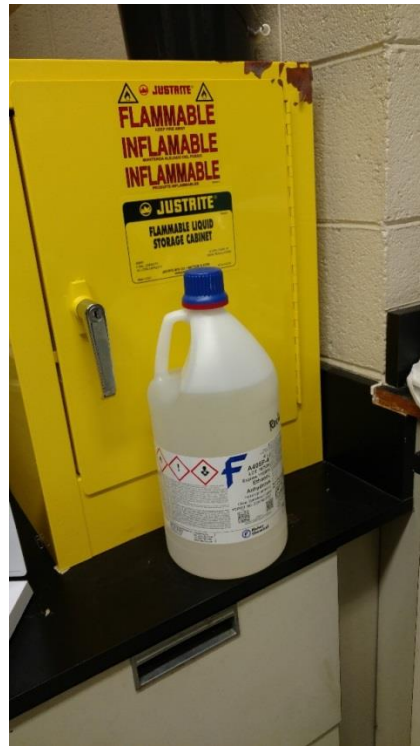
Location	Reference	Comments
* HVAC G 1116	29 CFR 1910.157(e)(2) and 1910.157(e)(3)	Remove the old CO ² fire extinguisher on the floor last inspection 1998.
HVAC G 1116	1910.253(b)(5)(O)	The red cylinder by the overhead door isn't fastened to the wall, not secure.
Mechatronics G1118	1910.212(a)(1) and 1910.212(a)(2)	Does the mechanical arm need guarding to protect people when it moves? I was told the State inspector is due to inspect the equipment.
Mechatronics G1118	1910.212(a)(1) and 1910.212(a)(3)	Westward drill press needs a chuck guard.
Mechatronics G1118	1910.215(b)(9)	Bench grinder adjust the left side tongue guard to ¼"
Science lab G 1107	1910.304(b)(i) and 1910.304(g)(6)(iv)(B)	First lab bench into room the right GFCI doesn't trip, repair or replace.

General comments

- All fire extinguishers inspected are current for the monthly inspection and annual maintenance (except the old CO²extinguisher).
- No slip, trips or fall hazards noted on campus.
- SDS notebooks should be updated from the old MSDS books.
- Arc flash analysis is recommended for all electrical panels.
- All mechanical and electrical rooms were very clean and didn't have any extraneous storage.



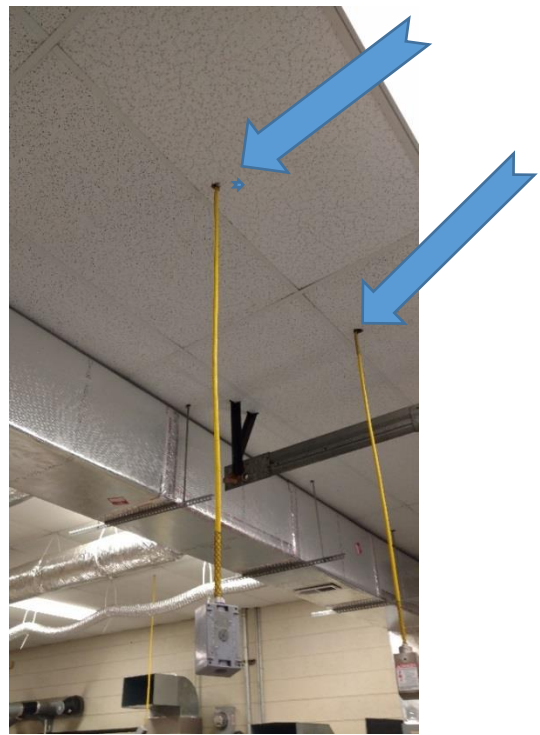
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#2



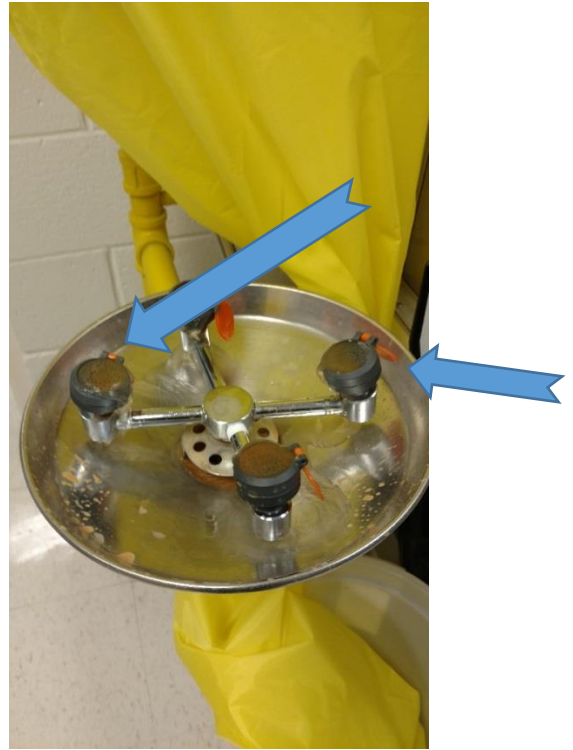
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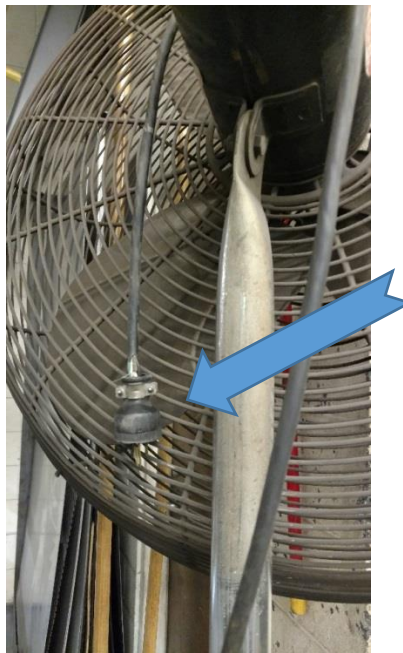
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#6



#7



#8



#9

