

June 9, 2022

Carol Brewer
Director of Safety & Security
St Cloud Technical and Community College
1540 Northway Drive
Saint Cloud, MN 56303

Dear Carol Brewer:

In response to your request, Daaron Arnold conducted a Limited Service Safety consultation survey at your site on June 2, 2022. Enclosed is a report that includes the identified serious hazards, projected schedule for correction, and a *Hazard Correction Form* used to record the corrective actions on the identified hazards. Please use Visit Number 507126431 when referencing this report.

The *Hazard Correction Form* should be completed on-line at <https://secure.doli.state.mn.us/hazards/> utilizing the visit number 507126431 and this visit key 34518. If you do not have computer access the form can be mailed or faxed to us. Diligence in timely abatement correction and reporting is an expected component of the consultation process.

It is imperative that you meet the above requirements because Workplace Safety Consultation activity can affect Minnesota OSHA Compliance inspections. A consultation can affect the priority of a *programmed* OSHA Compliance safety or health inspection; however, an *unprogrammed* compliance inspection, which includes accidents, complaints, referrals and follow-ups, takes priority over a consultation in progress. With written verification, the changed priority can begin 10 business days prior to the scheduled visit date. It expires on the latest correction due date indicated on the *Hazard Correction Form*.

If needed, an employer must submit a written request with information on interim protection for an extension prior to the due date, ensuring adequate time for Workplace Safety Consultation review. If the request is approved, the "in progress" time frame is extended and a letter granting the extension will be sent, indicating the new correction date. If the request is denied, the "in progress" time frame remains as originally indicated. In the event of a *programmed* inspection, Minnesota OSHA Compliance will need to see written verification of any "in progress" consultation activity before withdrawing from this planned inspection.

It must be noted that a Compliance Officer is not legally bound by the advice we have given you, or by any failure on our part to point out any specific hazards, nor are they bound by our hazard classifications. You may, but are not required to, furnish a copy of this report to the Compliance Officer.

The report contains recommendations about how to: correct identified hazards, prevent their recurrence, and improve management practices for ongoing, systematic hazard prevention. This helps to ensure your program's effectiveness in preventing worker injuries and illnesses. We encourage you to inform your employees of the action you take. This knowledge will help them to do their part to maintain a safe and healthful workplace and it will let them know of your concern for their welfare.

Thank you for seeking our assistance. If you need additional information, we encourage you to contact us at (651) 284-5060.

Sincerely,



Ryan Nosan
Director, Workplace Safety Consultation

Equal Opportunity Employer

MNOSHA Workplace Safety Consultation Program
Workplace Safety Consultation Report

For

St Cloud Technical and Community College
1540 Northway Drive
Saint Cloud, MN 56303
Visit Number: 507126431

Submitted By:

Daaron Arnold
Department of Labor and Industry
Workplace Safety Consultation
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INTRODUCTION

At the request of Carol Brewer, Director of Safety & Security, a Limited-Service Safety hazard survey was conducted with St Cloud Technical and Community College at 1540 Northway Drive, Saint Cloud, MN 56303, on June 2, 2022 by Daaron Arnold from the Minnesota Department of Labor and Industry.

The observed hazards detailed in this report are identified by item number and are referenced to the appropriate OSHA standards.

A **Serious** hazard is a condition that could result in an injury or illness that causes prolonged or temporary impairment of the body or substantially reduces efficiency on or off the job. Examples of such injuries are amputations, fractures, deep cuts involving significant bleeding, disabling burns, and concussions. Included under serious hazard is **Imminent Danger**. These are hazards that can reasonably be expected to cause death or serious physical harm immediately or before this written report is received. Any such hazards would have been corrected immediately, and no correction dates or correction method would appear in the *Report of Hazards Found*.

Hazards identified as **Serious** must be corrected by the correction due date and written notification of how the hazards were corrected must be sent to us by that date. An extension of the time frame set for the correction of the serious hazards may be requested in writing if you have made a good faith effort to correct the hazards, show that the delay was beyond your control, and give assurance that interim safeguards are in use to protect employees from the hazards.

Other-Than-Serious hazards, as defined by OSHA, lack the potential for causing serious physical harm, but could have a direct impact on employee safety and health. We encourage you to correct these hazards.

Regulatory hazards reflect violations of OSHA posting requirements, record-keeping requirements, and reporting requirements as found in 29 CFR 1903 and 1904. We encourage you to correct these hazards.

OVERVIEW OF CONSULTATION ACTIVITIES

This survey included an opening conference, a walk-through of the work site, Saint Cloud Technical and Community College, and a closing conference. The opening conference was held with: Carol Brewer - Director of Safety & Security, Ryan Haws - Shipping / Receiving & Safety Clerk, Jason Theisen - Director of Facilities, John Dingmann - Director of Public Safety, System Office, and Nijri "Jeri" Clement - Dir. of Cultural Fluency Equity & Inclusion. The opening conference included a review of the Consultation Program and the employer's obligation to correct any items classified as "serious" under current OSHA standards.

The walk-through included a survey of the facility and locations observed included classrooms for Wet Lab, HVAC Lab, Plumbing Lab and Carpentry Lab classroom areas. During the site-visit, only a portion of the buildings, classrooms and locations employees worked were visited and therefore the site was limited in scope. Carol Brewer - Director of Safety & Security, Ryan Haws - Shipping / Receiving & Safety Clerk, Jason Theisen - Director of Facilities, John Dingmann - Director of Public Safety, System Office, and Nijri "Jeri" Clement - Dir. of Cultural Fluency Equity & Inclusion accompanied the consultant during the walk-through. In addition, company employees were interviewed during the consultation survey. During the closing conference, attended by: Carol Brewer - Director of Safety & Security, and John Dingmann - Director of Public Safety, System Office, a review of the hazards identified during the survey was conducted. After a discussion of the recommended abatement procedures, the time frame for correction of serious hazards was agreed to by the employer's authorized representative and the consultant. Findings of the safety and health management system evaluation were also discussed, and recommendations were provided for some management elements requiring further improvement.

NOTICE OF OBLIGATION

As you know, we are required to notify the Occupational Safety and Health Administration (OSHA) if serious hazards are not corrected within the required time(s). Extensions may be granted if you encounter difficulties completing correction within these time frames, but we must receive your request for an extension, in writing, before the correction due date.

Should you need an extension for one or more hazard items, you can use the bottom section of each hazard item listed in the *Hazard Correction Form* to make that request. Please see the guidelines listed in the *Hazard Correction Form* page. Extension requests shall be documented on The *Hazard Correction Form*, which can be completed on-line at <https://secure.doli.state.mn.us/hazards/> utilizing the visit number 507126431 and this visit key 34518. If you do not have computer access, the form can be mailed or faxed to us.

Although we are not required to notify OSHA if other-than-serious hazards are not corrected, these hazards could result in injury to your employees. Moreover, your company would be subject to citations for them in the event of an OSHA enforcement inspection.

In the event of an OSHA inspection, it is important to remember that the Compliance Officer is not legally bound by the consultant's advice or by the consultant's failure to point out a specific hazard. You may, but are not required to, furnish a copy of this report to the Compliance Officer, who may use it to determine your good faith efforts toward safety and health and reduce any proposed penalties. You are, however, required to furnish any employee exposure data from this report as required by 29 CFR 1910.1020.

Attachment - Report of Hazards Found

Item: **0001** Instance: **A**
Standard: **1910.303(b)(2)**

Hazard Type: **Serious**
Correction Due Date: **Imm. Abated**

Description: 29 CFR 1910.303(b)(2): Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling:

Relocatable power-taps (i.e. "power strips"), located in the Wet Lab were not used in accordance with listing and labeling instructions. Specifically, when one RPT was plugged into another RPT, and both were powered and on.

Recommended Action: Employers are required to ensure that relocatable power-taps (i.e. "power strips") are used in accordance with instructions and requirements set forth by the manufacturer. Specifically, in accordance with Underwriter Laboratories' "Guide Information for Electrical Equipment" (i.e. "White Book"), relocatable power-taps: 1) Are intended for indoor use only; 2) Are intended to be connected directly to permanent electrical receptacle-outlet; 3) Are not intended to be series-connected (i.e. "daisy chained"); 4) Are not intended to be permanently affixed, secured, attached, or installed to building surfaces, equipment, tables, work-benches, or similar structures; 5) Are not intended to substitute permanent or "fixed" wiring; 6) Are not intended to be routed through walls, windows, ceilings, floors, or similar openings; 7) Are not intended for construction-sites, industrial-use, or similar locations; or 8) Are not intended to be used for general patient care areas (See "XBRT" in "White Pages"). During the site-visit, the employer disconnected the one of the RPT's and removed it from the location.

Item: **0002** Instance: **A**
Standard: **1910.305(b)(1)(ii)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(1)(ii): Unused openings in boxes, cabinets, or fittings were not effectively closed:

The junction box for the electric-powered test equipment, located in the Wet Lab which was energized, powered on, and operating, contained unused openings that were not effectively closed.

Recommended Action: Employers are required to ensure that all unused openings for the boxes, cabinets, and fittings of electrical-equipment are effectively closed, covered, or otherwise effectively protected.

Item: **0002** Instance: **B**
Standard: **1910.305(b)(1)(ii)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(1)(ii): Unused openings in boxes, cabinets, or fittings were not effectively closed:

The electrical gutter for electric-powered equipment, located in the Wet Lab which was energized, powered on, and operating, contained unused openings that were not effectively closed.

Recommended Action: Employers are required to ensure that all unused openings for the boxes, cabinets, and fittings of electrical-equipment are effectively closed, covered, or otherwise effectively protected.

Item: **0002** Instance: **C**
Standard: **1910.305(b)(1)(ii)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(1)(ii): Unused openings in boxes, cabinets, or fittings were not effectively closed:

The junction box for electric-powered heater #3, located in the HVAC Lab which was energized, powered on, and operating, contained unused openings that were not effectively closed.

Recommended Action: Employers are required to ensure that all unused openings for the boxes, cabinets, and fittings of electrical-equipment are effectively closed, covered, or otherwise effectively protected.

Item: **0003** Instance: **A**
Standard: **5205.1200(3)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5205.1200 subp. 3: Cranes and hoists were not frequently inspected for defects at daily to monthly intervals as indicated, and deficiencies corrected, before placing the units in service:

Frequent inspections were not conducted on cranes or hoists located in the Wet Lab.

Recommended Action: Conduct and document frequent inspections of the crane/hoist and correct all identified deficiencies before placing the unit into service. Inspect the unit for deficiencies identified in items A-F of this standard.

- A. All functional operating mechanisms for maladjustment interfering with proper operation - daily.
- B. Lines, tanks, valves, drain pumps, and other parts of air or hydraulic systems for deterioration or leakage - daily.
- C. Hooks with deformation or cracks - visual inspection daily, monthly inspection with signed reports. For hooks with cracks or having more than 15 percent in excess of normal throat opening or more than ten degrees twist from the plane of the unbent hook.

- D. Hoist chains, including end connections, for excessive wear, twist, distorted links, or stretch beyond manufacturer's recommendations - visual inspection daily, monthly inspection with signed certification record.
- E. All functional operating mechanisms for excessive wear of components.
- F. Rope reeving for noncompliance with manufacturer's recommendations.

Item: **0004** Instance: **A**
Standard: **5205.1200(4)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5205.1200 subp. 4: Complete inspections of cranes were not performed monthly or as indicated in subpart 5 and deficiencies that constitute a safety hazard were not corrected before placing the units in service:

Periodic inspections were not conducted on the overhead cranes or hoist located in the Wet Lab.

Recommended Action: Inspections shall be conducted monthly on the following hoist components:

- a) for deformed, cracked, or corroded members.
- b) for loose bolts or rivets.
- c) for cracked or worn sheaves and drums.
- d) for worn, cracked, or distorted parts such as pins, bearings, shafts, gears, rollers, and locking and clamping devices.
- e) for excessive wear on brake system parts, linings, pawls, and ratchets.
- f) load, wind, and other indicators over their full range, for any significant inaccuracies.
- g) gasoline, diesel, electric, or other power plants for improper performance or noncompliance with applicable safety requirements.
- h) for excessive wear of chain drive sprockets and excessive chain stretch; and
- i) electrical apparatus, for signs of pitting or any deterioration of controller contractors, limit switches, and push-button stations.

Item: **0005** Instance: **A**
Standard: **1910.212(a)(1)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.212(a)(1): Machine guarding was not provided to protect operators and other employees from hazards created by moving machinery parts:

Heaters #3 and #4 located in the HVAC Lab were plugged in powered and not effectively and/or properly guarded to protect employee-operators, and other employees, from the point of operation, moving or rotating parts, in-running nip-points, or other components: Specifically, the fan guards were removed/missing.

Recommended Action: Fully guard all moving parts of machines that can make contact with an employee.

Item: **0005** Instance: **B**
Standard: **1910.212(a)(1)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.212(a)(1): Machine guarding was not provided to protect operators and other employees from hazards created by moving machinery parts:

Machine guarding was not provided to protect operator(s) and other employees from hazard(s) created by the rotating parts on the Buffalo 15 drill press located in the Wet Lab.

Recommended Action: Fully guard all moving parts of machines that can make contact with an employee.

Item: **0006** Instance: **A**
Standard: **1910.305(d)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(d)(2): Panelboards were not mounted in cabinets, cutout boxes, or enclosures approved for the purpose and were not dead front:

An electrical control panel located in the Wet Lab was energized and the dead front panel was not properly secured (missing all but one attachment screw) potentially exposing employees to the energized component.

Recommended Action: Have qualified personnel install the screws according to manufacture specifications to the dead front panel.

Item: **0007** Instance: **A**
Standard: **5207.610**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5207.0610: Machines with point-of-operation, pinch-point, or nip-point hazards did not have motor start buttons physically protected against unintended operation:

The motor start-button for machines with exposed points of operation, pinch-points, or nip-points, including the on/off switch of the Buffalo 15 drill press located in the Wet Lab was effectively protected against unintended operation.

Recommended Action: Employers are required to ensure that buttons, switches, or controls that start, activate, or cycle a machine, which maintains exposed points of operation, pinch-points, or nip-points, are physically protected against unintended operation (e.g. guards, covers, barriers, location).

Item: **0007** Instance: **B**
Standard: **5207.610**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5207.0610: Machines with point-of-operation, pinch-point, or nip-point hazards did not have motor start buttons physically protected against unintended operation:

The motor start-button for machines with exposed points of operation, pinch-points, or nip-points, including the on/off switch of the Walker drill press located in the Plumbing Lab was effectively protected against unintended operation.

Recommended Action: Employers are required to ensure that buttons, switches, or controls that start, activate, or cycle a machine, which maintains exposed points of operation, pinch-points, or nip-points, are physically protected against unintended operation (e.g. guards, covers, barriers, location).

Item: **0008** Instance: **A**
Standard: **1910.212(a)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.212(a)(2): Guard(s) on machine(s) were not affixed to the machine or secured elsewhere when attachment to the machine was not possible:

A guard on the top of the Walker drill press was not affixed or securely attached to the machine.

Recommended Action: Securely attach guards in place to prevent dangerous machine components from being exposed, or to keep the guard from falling. Fasteners should preferably require a hand tool (wrench) to prevent unauthorized removal.

Item: **0009** Instance: **A**
Standard: **1910.305(b)(2)(i)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(2)(i): Metal covers on pull boxes, junction boxes, and fittings were not grounded:

The elbow junction box, located in the Wet Lab, was not provided with a cover.

Recommended Action: Keep all junction boxes covered with approved enclosures.

Item: **0010** Instance: **A**
Standard: **1910.147(c)(5)(ii)(D)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.147(c)(5)(ii) (D): Lockout/ tagout devices did not indicate the identity of the employee applying the device(s):

Lockout devices and tagout devices did not indicate the identity of the employee applying the device(s).

Recommended Action: Provide individually identified locks or provide and require the use of lags with each lockout device applied.

Item: **0011** Instance: **A**
Standard: **1910.243(b)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.243(b)(2): Hose and hose connections used for conducting compressed air to utilization equipment were not designed for the pressure and service to which they are subjected:

Radiator style screw clamps were being used on the high-pressure air hose lines located in the Wet Lab that were not designed for the pressure and service to which they were subjected.

Recommended Action: Replace the screw clamps with crimping style clamps or connecting devices designed for air lines.

Item: **0011** Instance: **B**
Standard: **1910.243(b)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.243(b)(2): Hose and hose connections used for conducting compressed air to utilization equipment were not designed for the pressure and service to which they are subjected:

Radiator style screw clamps were being used on the high-pressure air hose lines located in the Carpentry Lab that were not designed for the pressure and service to which they were subjected.

Recommended Action: Replace the screw clamps with crimping style clamps or connecting devices designed for air lines.

Item: **0012** Instance: **A**
Standard: **1910.36(g)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.36(g)(2): Exit access portions of exit routes were less than twenty eight inches minimum width:

The Emergency Exit access in the upper level of the Plumbing Lab was not at least 28 inches wide. Specifically, a 2x4 wall was constructed for training and limited the only path to exit stairs down to 19".

Recommended Action: An emergency exit must be at least 28 inches wide and free of obstructions.

Item: **0013** Instance: **A**
Standard: **1910.213(c)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.213(c)(2): Hand-fed circular rip saw(s) were not furnished with a spreader to prevent material from squeezing the saw or being thrown back on the operator:

The JET #2 table saw in the Carpentry Lab was not furnished with a spreader.

Recommended Action: Install a spreader to prevent material from squeezing the saw or being thrown back on the operator. The spreader shall be made of hard tempered steel, or its equivalent, and shall be thinner than the saw kerf.

Item: **0014** Instance: **A**
Standard: **1910.213(c)(3)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.213(c)(3): Hand-fed rip saw(s) did not have non-kickback fingers or dogs so located as to oppose the thrust or tendency of the saw to pick up the material or to throw it back toward the operator:

The JET #2 table saw in the Carpentry Lab was not furnished with a anti-kick back device.

Recommended Action: Equip the saw with an anti-kick back device or discontinue the use of the saw.

Item: **0015** Instance: **A**
Standard: **1910.242(a)**

Hazard Type: **Serious**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.242(a): Hand and portable power tools or equipment were not kept in a safe condition:

A hand tool used by an employee located in the Carpentry Lab was not maintained in a safe condition. Specifically for the cracked wood handle on the sledgehammer.

Recommended Action: Assign one or more qualified persons to inspect and tag all hand and portable powered tools before first on-the-job use and periodically thereafter, and to repair, replace, or ensure replacement of defective tools. Defective tools and equipment should be tagged as hazardous and removed from service immediately. Employers are responsible for ensuring the safe condition of all tools and equipment used by employees, including those furnished by employees.

Attachment - Hazard Correction Form

Use copies of this form to send documentation of your hazard correction to the Workplace Safety Consultation unit. For each item in the report classified as "serious", complete one of the following hazard correction sections and fax or mail a copy to the consultant at the following address, on or before the correction due date.

As you know, we are required to notify MNOSHA Compliance if serious hazards are not corrected within the agreed-upon time. Extensions may be granted if you encounter difficulties completing the required corrections within the mutually agreed upon time frames.

Should you need an extension for one or more hazard items, you can use the bottom section of each hazard item listed in the Hazard Correction Form to make the request. Please see the guidelines listed in the Hazard Correction Form page. Extension requests shall be documented on the Hazard Correction Form, which should be completed on-line at <https://secure.doli.state.mn.us/hazards/> utilizing the visit number 507126431 and your unique code 34518. If you do not have computer access, the form can be mailed or faxed to us.

Although we are not required to notify MNOSHA if other-than-serious hazards are not corrected, these hazards should also be corrected because they can result in injury to your employees. Your company also would be subject to citations for them in the event of a MNOSHA Compliance inspection.

Daaron Arnold
Workplace Safety Consultant

Department of Labor and Industry
Workplace Safety Consultation
443 Lafayette Road North
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Phone: (651) 284-5060
Fax: (651) 284-5739
1-800-657-3776

The Hazard Correction Form should be completed on-line at <https://secure.doli.state.mn.us/hazards/> utilizing the visit number 507126431 and this unique visit key 34518. If you do not have computer access, the form can be mailed or faxed to us. Diligence in timely abatement correction and reporting is an expected component of the consultation process.

St Cloud Technical and Community College - Visit # 507126431
Date of Visit - 06/02/2022

Item: **0002 A** Type: **Serious** Visit: **507126431**
Standard: **1910.305(b)(1)(ii)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0002 B** Type: **Serious** Visit: **507126431**
Standard: **1910.305(b)(1)(ii)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
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Item: **0002 C** Type: **Serious** Visit: **507126431**
Standard: **1910.305(b)(1)(ii)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0003 A** Type: **Serious** Visit: **507126431**
Standard: **5205.1200(3)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
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Item: **0004 A** Type: **Serious** Visit: **507126431**
Standard: **5205.1200(4)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0005 A** Type: **Serious** Visit: **507126431**
Standard: **1910.212(a)(1)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
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Item: **0005 B** Type: **Serious** Visit: **507126431**
Standard: **1910.212(a)(1)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0006 A** Type: **Serious** Visit: **507126431**
Standard: **1910.305(d)(2)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
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-

Item: **0007 A** Type: **Serious** Visit: **507126431**
Standard: **5207.610**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:

2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0007 B** Type: **Serious** Visit: **507126431**
Standard: **5207.610**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:

 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
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-

Item: **0008 A** Type: **Serious** Visit: **507126431**
Standard: **1910.212(a)(2)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:

2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0009 A** Type: **Serious** Visit: **507126431**
Standard: **1910.305(b)(2)(i)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:

 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
-
-

Item: **0010 A** Type: **Serious** Visit: **507126431**
Standard: **1910.147(c)(5)(ii)(D)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0011 A** Type: **Serious** Visit: **507126431**
Standard: **1910.243(b)(2)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
-
-

Item: **0011 B** Type: **Serious** Visit: **507126431**
Standard: **1910.243(b)(2)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0012 A** Type: **Serious** Visit: **507126431**
Standard: **1910.36(g)(2)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
-
-

Item: **0013 A** Type: **Serious** Visit: **507126431**
Standard: **1910.213(c)(2)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Item: **0014 A** Type: **Serious** Visit: **507126431**
Standard: **1910.213(c)(3)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:
 2. Date hazard correction will be completed:
 3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:
-
-

Item: **0015 A** Type: **Serious** Visit: **507126431**
Standard: **1910.242(a)**

Correction Due Date: **7/7/2022**
Date Corrected:

Corrective Action Taken:

Plan to Prevent Reoccurrence of this Hazard:

Note: If correction of this hazard by the above correction due date is not possible please complete the following three sections for an extension request.

1. Reason why the Correction Due Date cannot be met:

2. Date hazard correction will be completed:
3. Describe the interim protective measures you will use to protect the employees from the hazard during the extended abatement period:

Employer Signature/Title: _____

Safety and Health Program Management

During the on-site visit, the consultant is required to review and discuss the components that make up an effective safety and health management system. The tool that is used for this assessment is referred to as the Safety and Health Program Assessment Worksheet. The assessment contains safety management attributes that are derived from the 1989 OSHA Safety and Health Program Management Guidelines. Each attribute that is evaluated is documented and given a score that is an indication of the attribute's effectiveness. The findings and improvement recommendations, for each attribute evaluated, are based on the findings obtained during the consultation and the consultant's professional judgment. Evaluations are based on interviews with employees, observed workplace activities and conditions, and documentation review.

A copy of the assessment worksheet, for your work-site, is included as part of this report. Some attributes may be left blank if the consultant is unable to obtain enough information to determine a score for that attribute. Please take the time to review the assessment information. Improving attributes that received a low score may help you avoid the recurrence of hazards that were noted during the visit and prevent the occurrence of other hazards.

Attachment - Training Provided by Consultant

During the site-visit, information, training assistance, and clarification was provided involving the following standards/requirements:

1. 29 CFR 1910.147 - Control of hazardous energy (LO/TO)
2. 29 CFR 1910.305 - Wiring components and equipment
3. 29 CFR 1910.212 - Machinery/Guarding
4. Minn. Stat. 5205.1200 – Frequent and Periodic use;

SEASONAL TRAINING: Promote "check smoke alarms" "tool-box talks" at the work-site that address "heat-stress", "severe weather", "fire escape", "tool and equipment inspections" and "hearing protection".

REMINDER: Employers participating in the site-visit are encouraged to utilize MN OSHA Workplace Safety Consultation's FREE services to provide training for employees regarding relevant safety and health hazards and requirements.

Attachment - Other Findings and Recommendations

Based on discussions, observations, and findings during the site-visit, the following recommendations are provided regarding the overall safety and health management programs:

1. Create a formal checklist and conduct at least weekly target area hazard surveys. Complete facility wide hazard survey walkthroughs at least quarterly.
2. Ensure that where employees are operating mobile elevated work-platforms (i.e. "aerial-lifts"), employers are complying with new requirements under ANSI A92.22 (Inspection, Operation, Use) and ANSI A92.24 (Training). Although consensus standards went into effect December 10, 2019, ANSI has delayed official compliance to March 2020, due to requirements involving "equipment manuals" and "manufacturer's approval for modifications".
3. Conduct a facility wide hazard assessment, especially in the locations viewed during this visit to ensure all equipment is provided/equipped with effective means of guarding including, but are not limited to: 1) Fixed barrier guards; 2) Adjustable barrier-guards; 3) Self-adjusting barrier-guards; 4) Interlock-devices; 5) Safety-devices (e.g. light-curtains, sensors).
4. Conduct a facility wide inspections and to find and repair all unused openings.
5. Ensure floor jacks and jack stands are inspected and document these inspections that should be conducted at least every 6 months for jacks that remain in the shop at all times.
6. Review equipment manuals to ensure manufacture requirements for securing/anchoring are followed on all equipment facility wide.

**Attachment - List of Hazards
Minnesota Department of Labor & Industry
Workplace Safety Consultation**

List of Hazards

This *List of Hazards* must be posted, unedited, in a prominent place where it is readily observable by all affected employees for 3 working days, or until the hazards are corrected, whichever is later.

VISIT NUMBER: 507126431

VISIT DATE: 06/02/2022

St Cloud Technical and Community College
1540 Northway Drive
Saint Cloud, MN 56303

This is a notification of serious hazards identified during the consultation visit. **This notification is not a citation.** St Cloud Technical and Community College is a voluntary participant in the consultation program and has agreed to correct the hazards on this list within the correction due date specified. St Cloud Technical and Community College has also agreed to make information on other-than-serious hazards as well as corrective action proposed by the consultant available to you upon request.

Item: **0001**

Standard: **1910.303(b)(2)**

Instance: **A**

Correction Due Date: **Imm. Abated**

Description: 29 CFR 1910.303(b)(2): Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling:

Relocatable power-taps (i.e. "power strips"), located in the Wet Lab were not used in accordance with listing and labeling instructions. Specifically, when one RPT was plugged into another RPT and both were powered and on.

Item: **0002**

Standard: **1910.305(b)(1)(ii)**

Instance: **A**

Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(1)(ii): Unused openings in boxes, cabinets, or fittings were not effectively closed:

The junction box for the electric-powered test equipment, located in the Wet Lab which was energized, powered on, and operating, contained unused openings that were not effectively closed.

Item: **0002**
Standard: **1910.305(b)(1)(ii)**

Instance: **B**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(1)(ii): Unused openings in boxes, cabinets, or fittings were not effectively closed:

The electrical gutter for electric-powered equipment, located in the Wet Lab which was energized, powered on, and operating, contained unused openings that were not effectively closed.

Item: **0002**
Standard: **1910.305(b)(1)(ii)**

Instance: **C**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(1)(ii): Unused openings in boxes, cabinets, or fittings were not effectively closed:

The junction box for electric-powered heater #3, located in the HVAC Lab which was energized, powered on, and operating, contained unused openings that were not effectively closed.

Item: **0003**
Standard: **5205.1200(3)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5205.1200 subp. 3: Cranes and hoists were not frequently inspected for defects at daily to monthly intervals as indicated, and deficiencies corrected, before placing the units in service:

Frequent inspections were not conducted on cranes or hoists located in the Wet Lab.

Item: **0004**
Standard: **5205.1200(4)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5205.1200 subp. 4: Complete inspections of cranes were not performed monthly or as indicated in subpart 5 and deficiencies that constitute a safety hazard were not corrected before placing the units in service:

Periodic inspections were not conducted on the overhead cranes or hoist located in the Wet Lab.

Item: **0005**
Standard: **1910.212(a)(1)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.212(a)(1): Machine guarding was not provided to protect operators and other employees from hazards created by moving machinery parts:

Heaters #3 and #4 located in the HVAC Lab were plugged in powered and not effectively and/or properly guarded to protect employee-operators, and other employees, from the point of operation, moving or rotating parts, in-running nip-points, or other components: Specially, the fan guards were removed/missing.

Item: **0005**
Standard: **1910.212(a)(1)**

Instance: **B**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.212(a)(1): Machine guarding was not provided to protect operators and other employees from hazards created by moving machinery parts:

Machine guarding was not provided to protect operator(s) and other employees from hazard(s) created by the rotating parts on the Buffalo 15 drill press located in the Wet Lab.

Item: **0006**
Standard: **1910.305(d)(2)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(d)(2): Panelboards were not mounted in cabinets, cutout boxes, or enclosures approved for the purpose and were not dead front:

An electrical control panel located in the Wet Lab was energized and the dead front panel was not properly secured (missing all but one attachment screw) potentially exposing employees to the energized component.

Item: **0007**
Standard: **5207.610**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5207.0610: Machines with point-of-operation, pinch-point, or nip-point hazards did not have motor start buttons physically protected against unintended operation:

The motor start-button for machines with exposed points of operation, pinch-points, or nip-points, including the on/off switch of the Buffalo 15 drill press located in the Wet Lab was effectively protected against unintended operation.

Item: **0007**
Standard: **5207.610**

Instance: **B**
Correction Due Date: **7/7/2022**

Description: Minn. Rules 5207.0610: Machines with point-of-operation, pinch-point, or nip-point hazards did not have motor start buttons physically protected against unintended operation:

The motor start-button for machines with exposed points of operation, pinch-points, or nip-points, including the on/off switch of the Walker drill press located in the Plumbing Lab was effectively protected against unintended operation.

Item: **0008**
Standard: **1910.212(a)(2)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.212(a)(2): Guard(s) on machine(s) were not affixed to the machine or secured elsewhere when attachment to the machine was not possible:

A guard on the top of the Walker drill press was not affixed or securely attached to the machine.

Item: **0009**
Standard: **1910.305(b)(2)(i)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.305(b)(2)(i): Metal covers on pull boxes, junction boxes, and fittings were not grounded:

The elbow junction box, located in the Wet Lab, was not provided with a cover.

Item: **0010**
Standard: **1910.147(c)(5)(ii)(D)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.147(c)(5)(ii) (D): Lockout/ tagout devices did not indicate the identity of the employee applying the device(s):

Lockout devices and tagout devices did not indicate the identity of the employee applying the device(s).

Item: **0011**
Standard: **1910.243(b)(2)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.243(b)(2): Hose and hose connections used for conducting compressed air to utilization equipment were not designed for the pressure and service to which they are subjected:

Radiator style screw clamps were being used on the high-pressure air hose lines located in the Wet Lab that were not designed for the pressure and service to which they were subjected.

Item: **0011**
Standard: **1910.243(b)(2)**

Instance: **B**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.243(b)(2): Hose and hose connections used for conducting compressed air to utilization equipment were not designed for the pressure and service to which they are subjected:

Radiator style screw clamps were being used on the high-pressure air hose lines located in the Carpentry Lab that were not designed for the pressure and service to which they were subjected.

Item: **0012**
Standard: **1910.36(g)(2)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.36(g)(2): Exit access portions of exit routes were less than twenty eight inches minimum width:

The Emergency Exit access in the upper level of the Plumbing Lab was not at least 28 inches wide. Specifically, a 2x4 wall was constructed for training and limited the only path to exit stairs down to 19".

Item: **0013**
Standard: **1910.213(c)(2)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.213(c)(2): Hand-fed circular rip saw(s) were not furnished with a spreader to prevent material from squeezing the saw or being thrown back on the operator:

The JET #2 table saw in the Carpentry Lab was not furnished with a spreader.

Item: **0014**
Standard: **1910.213(c)(3)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.213(c)(3): Hand-fed ripsaw(s) did not have non-kickback fingers or dogs so located as to oppose the thrust or tendency of the saw to pick up the material or to throw it back toward the operator:

The JET #2 table saw in the Carpentry Lab was not furnished with a anti-kick back device.

Item: **0015**
Standard: **1910.242(a)**

Instance: **A**
Correction Due Date: **7/7/2022**

Description: 29 CFR 1910.242(a): Hand and portable power tools or equipment were not kept in a safe condition:

A hand tool used by an employee located in the Carpentry Lab was not maintained in a safe condition. Specifically for the cracked wood handle on the sledgehammer.

If you have any questions regarding this list of hazards that cannot be answered by a representative of St Cloud Technical and Community College, please contact the state Consultation program at 651-284-5060 or send an e-mail to the Consultant's e-mail address daaron.arnold@state.mn.us.