

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, Patrick Donahue conducted a Limited Service Health 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 507126415 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 507126415 and this visit key 34515. 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: 507126415

Submitted By:

Patrick Donahue
Department of Labor and Industry
Workplace Safety Consultation
443 Lafayette Road North
St Paul, MN 55155
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INTRODUCTION

At the request of Carol Brewer, Director of Safety & Security, a Limited Service Health hazard survey was conducted with St Cloud Technical and Community College at 1540 Northway Drive, Saint Cloud, MN 56303, on June 2, 2022 by Patrick Donahue 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 Njiri "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 departments including WET Lab, HVAC, Plumbing, and Carpentry. 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 Njiri "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 507126415 and this visit key 34515. 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: **1910.1052(d)(1)(i)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.1052(d)(1)(i): Where Methylene Chloride is present in the workplace, the employer did not determine each employee's exposure by either taking a personal breathing zone air sample of each employee or personal breathing zone air samples representative of each employee's exposure:

A bottle of "Craftics Plastick Acrylic Solvent Cement", located in the WET Lab flammable cabinet, contained methylene chloride.

Recommended Action: Remove methylene chloride containing products from the workplace to eliminate potential exposure. If methylene chloride containing products are used by employees, you must monitor employees for STEL and PEL exposures or use objective data to show that exposures are below the action level.

Item: **0002** Instance: **A**
Standard: **1910.1048(d)(1)(i)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.1048(d)(1)(i): Employees of a workplace covered by this standard were not monitored to determine their exposure to formaldehyde:

A bottle of "Formazin Turbidity Standard 4000 NTU", located in the WET Lab, contained formaldehyde.

Recommended Action: Remove formaldehyde containing products from the workplace to eliminate potential exposure. If formaldehyde containing products are used by employees, you must monitor employees for STEL and PEL exposures or use objective data to show that exposures are below the action level.

Item: **0003** Instance: **A**
Standard: **1910.101(b)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.101(b): The in-plant handling, storage, and utilization of all compressed gases in cylinders, portable tanks, rail tank cars, or motor vehicle cargo tanks was not in accordance with Compressed Gas Association Pamphlet P-1-1965, which is incorporated by reference as specified in Sec. 1910.6:

Small propane torch cylinders were being stored with flammable and combustible materials in the WET Lab.

Recommended Action: Do not store compressed gas cylinders including small torch cylinders with flammable and combustible materials. See Letter of Interpretation here: <https://www.osha.gov/laws-regs/standardinterpretations/1999-04-19>

Cylinders should be located so as to minimize exposure to excessive temperature and physical damage. Protection shall be provided to prevent tipping, rolling, and tampering. Empty containers should be stored outside. If stored inside, however, they should be considered full, and protected from damage.

Item: **0004** Instance: **A**
Standard: **1910.146(c)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.146(c)(2): The employer did not inform exposed employees, by posting danger signs or by any other equally effective means, of the existence and location of and the danger posed by the permit spaces:

A large tank in the WET Lab did not have signage to communicate it is a confined space.

Recommended Action: A sign reading "DANGER -- PERMIT-REQUIRED CONFINED SPACE, DO NOT ENTER" or using other similar language would satisfy the requirement for a sign.

Item: **0005** Instance: **A**
Standard: **1910.151(c)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.151(c): Where employees were exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body were not provided within the work area for immediate emergency use:

An emergency eyewash / shower was not present where employees presumably dispense "EXCIDE 20" near the large tank in the WET Lab. The label states "Corrosive. Causes irreversible eye damage or skin burns" and "May cause the loss of vision - fatal if absorbed through the skin...".

Recommended Action: Remove product or substitute a less hazardous chemical if possible. Install an emergency eyewash / shower in an immediate area where corrosive splash or contact to the eyes and / or skin exists. Be mindful of pipes along floor and other obstructions when selecting location. Consult MNOSHA "Emergency eyewashes and showers" handout here:
https://www.dli.mn.gov/sites/default/files/pdf/emergency_eyewashes_showers.pdf

Item: **0006** Instance: **A**
Standard: **1910.132(d)(1)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.132(d)(1) and (2): A hazard assessment was not made of the workplace, with a written certification, to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment:

A hazard assessment has not been conducted to determine what PPE should be provided, required, and worn for employees working with EXCIDE 20 in the WET Lab. Conduct the hazard assessment prior to employees working with EXCIDE 20 again.

Recommended Action: The employer shall assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment (PPE). Once needs are determined, proper PPE shall be provided, and its use encouraged or enforced.

Item: **0007** Instance: **A**
Standard: **1910.132(d)(1)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.132(d)(1) and (2): A hazard assessment was not made of the workplace, with a written certification, to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment:

A hazard assessment has not been conducted to determine what PPE should be provided, required, and worn for employees working with chlorine in the WET Lab. Additionally, an assessment should determine the need for sensors / alarms, and the potential to develop evacuation policies and procedures.

Recommended Action: The employer shall assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment (PPE). Once needs are determined, proper PPE shall be provided, and its use encouraged or enforced.

Item: **0008** Instance: **A**
Standard: **1910.1200(f)(6)**

Hazard Type: **Imminent**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.1200(f)(6): The employer did not ensure that each container of hazardous chemicals in the workplace was labeled, tagged or marked with the appropriate hazard warnings:

Several tanks in the WET Lab did not have adequate hazard communication labeling. Examples include hydrofluosilicic acid, potassium permanganate, and hypochlorite.

Recommended Action: Include the product identifier and words, pictures, symbols, or combination thereof, which provide at least general information regarding the hazards of the chemicals, and which, in conjunction with the other information immediately available to employees under the hazard communication program, will provide employees with the specific information regarding the physical and health hazards of the hazardous chemical.

Item: **0009** Instance: **A**
Standard: **1910.141(a)(4)(ii)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.141(a)(4)(ii): Wastes were not removed as often as necessary to maintain the place of employment in a sanitary condition:

The liquid contents of a mop bucket in the WET Lab had formed a slimy / sludge like sheen potentially from microbial growth accumulating over an extended period of time.

Recommended Action: Empty liquid wastes from the workplace in such a manner as to avoid creating a menace to health and as often as necessary or appropriate to maintain the place of employment in a sanitary condition.

Item: **0010** Instance: **A**
Standard: **1910.134(a)(2)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.134(a)(2): The employer did not establish and maintain a respiratory protection program which included the requirements outlined in 29 CFR 1910.134(c):

A half-face respirator and an N95 filtering facepiece respirator were not being stored in a clean & sanitary condition. Additionally, the respirators were stored in a manner that posed a risk to their structural integrity.

Recommended Action: Remove the respirators from service. If respirators are issued to employees in the future, ensure an RPP is established and implemented.

Establish and implement a written respiratory protection program with worksite-specific procedures. The program shall include the following provisions where applicable:

- (i) Procedures for selecting respirators for use in the workplace;
- (ii) Medical evaluations of employees required to use respirators;
- (iii) Fit testing procedures for tight-fitting respirators;
- (iv) Procedures for proper use of respirators in routine and reasonably foreseeable emergency situations;
- (v) Procedures and schedules for cleaning, disinfecting, storing, inspecting, repairing, discarding, and otherwise maintaining respirators;
- (vi) Procedures to ensure adequate air quality, quantity, and flow of breathing air for atmosphere-supplying respirators;
- (vii) Training of employees in the respiratory hazards to which they are potentially exposed during routine and emergency situations;
- (viii) Training of employees in the proper use of respirators, including putting on and removing them, any limitations on their use, and their maintenance; and
- (ix) Procedures for regularly evaluating the effectiveness of the program.

Item: **0011** Instance: **A**
Standard: **1910.132(a)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.132(a): Protective equipment was not maintained in a sanitary and reliable condition:

Chemical splash goggles in the storage cages in WET Lab and HVAC area were dirty and hanging from their elastic straps.

Recommended Action: Ensure PPE is stored in a clean and sanitary condition. Do not hang PPE from their straps to protect the integrity of the strap elasticity.

Item: **0012** Instance: **A**
Standard: **1910.101(b)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.101(b): The in-plant handling, storage, and utilization of all compressed gases in cylinders, portable tanks, rail tank cars, or motor vehicle cargo tanks was not in accordance with Compressed Gas Association Pamphlet P-1-1965, which is incorporated by reference as specified in Sec. 1910.6:

A large, compressed gas cylinder in the HVAC area was not stored securely to preventing tipping. Additionally, the cylinder was not labeled in a manner making its contents easily identifiable.

Recommended Action: Cylinders should be located so as to minimize exposure to excessive temperature and physical damage. Protection shall be provided to prevent tipping, rolling, and tampering. Empty containers should be stored outside. If stored inside, however, they should be considered full, and protected from damage.

Item: **0013** Instance: **A**
Standard: **1910.110(c)(6)(iii)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.110(c)(5)(i): Containers, regulating equipment, manifolds, pipe, tubing, and hose shall be located as to minimize exposure to abnormally high temperatures, physical damage, or tampering by unauthorized persons.

Several Lp cylinders were stored in manner subjecting them to physical damage in the plumbing storage cage. Heavy chains etc. were stored above and around them. Flammable materials were also stored immediately adjacent to the cylinders.

Recommended Action: Protect tanks from physical damage or tampering. Do not store near flammable materials. Do not store near or under heavy objects that could fall on the tanks. Consider a designated storage cage, ideally outside.

Item: **0014** Instance: **A**
Standard: **1910.110(f)(2)(i)**

Hazard Type: **Serious**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.110(f)(2)(i): LP gas container(s) in storage were not located so as to minimize exposure to excessive temperature rise, physical damage, or tampering by unauthorized persons:

A 20-pound Lp cylinder was being stored with gasoline and kerosene in a flammable cabinet located in the woodshop.

Recommended Action: Select an area to be used for storage of cylinders. It must not be warmed by the sun or by the building's heating system and should be twenty feet or more away from any other stored flammable or combustible material. Limit access, e.g., by lock and key, to one responsible person and a back-up person.

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 507126415 and your unique code 34515. 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.

Patrick Donahue
Workplace Safety Consultant

Department of Labor and Industry
Workplace Safety Consultation
443 Lafayette Road North
St. Paul, MN 55155-4311
Email: osha.consultation@state.mn.us
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 507126415 and this unique visit key 34515. 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 # 507126415
Date of Visit - 06/02/2022

Item: **0001 A** Type: **Serious** Visit: **507126415**
Standard: **1910.1052(d)(1)(i)**

Correction Due Date: **7/6/2022**
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 A** Type: **Serious** Visit: **507126415**
Standard: **1910.1048(d)(1)(i)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.101(b)**

Correction Due Date: **7/6/2022**
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: **0004 A** Type: **Serious** Visit: **507126415**
Standard: **1910.146(c)(2)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.151(c)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.132(d)(1)**

Correction Due Date: **7/6/2022**
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 A** Type: **Serious** Visit: **507126415**
Standard: **1910.132(d)(1)**

Correction Due Date: **7/6/2022**
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: **0008 A** Type: **Imminent** Visit: **507126415**
Standard: **1910.1200(f)(6)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.141(a)(4)(ii)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.134(a)(2)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.132(a)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.101(b)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.110(c)(6)(iii)**

Correction Due Date: **7/6/2022**
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: **507126415**
Standard: **1910.110(f)(2)(i)**

Correction Due Date: **7/6/2022**
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 worksite, 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 - 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: 507126415
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: **1910.1052(d)(1)(i)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.1052(d)(1)(i): Where Methylene Chloride is present in the workplace, the employer did not determine each employee's exposure by either taking a personal breathing zone air sample of each employee or personal breathing zone air samples representative of each employee's exposure:

A bottle of "Craftics Plastick Acrylic Solvent Cement", located in the WET Lab flammable cabinet, contained methylene chloride.

Item: **0002**
Standard: **1910.1048(d)(1)(i)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.1048(d)(1)(i): Employees of a workplace covered by this standard were not monitored to determine their exposure to formaldehyde:

A bottle of "Formazin Turbidity Standard 4000 NTU", located in the WET Lab, contained formaldehyde.

Item: **0003**
Standard: **1910.101(b)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.101(b): The in-plant handling, storage, and utilization of all compressed gases in cylinders, portable tanks, rail tankcars, or motor vehicle cargo tanks was not in accordance with Compressed Gas Association Pamphlet P-1-1965, which is incorporated by reference as specified in Sec. 1910.6:

Small propane torch cylinders were being stored with flammable and combustible materials in the WET Lab.

Item: **0004**
Standard: **1910.146(c)(2)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.146(c)(2): The employer did not inform exposed employees, by posting danger signs or by any other equally effective means, of the existence and location of and the danger posed by the permit spaces:

A large tank in the WET Lab did not have signage to communicate it is a confined space.

Item: **0005**
Standard: **1910.151(c)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.151(c): Where employees were exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body were not provided within the work area for immediate emergency use:

An emergency eyewash / shower was not present where employees presumably dispense "EXCIDE 20" near the large tank in the WET Lab. The label states "Corrosive. Causes irreversible eye damage or skin burns" and "May cause the loss of vision - fatal if absorbed through the skin...".

Item: **0006**
Standard: **1910.132(d)(1)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.132(d)(1) and (2): A hazard assessment was not made of the workplace, with a written certification, to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment:

A hazard assessment has not been conducted to determine what PPE should be provided, required, and worn for employees working with EXCIDE 20 in the WET Lab. Conduct the hazard assessment prior to employees working with EXCIDE 20 again.

Item: **0007**
Standard: **1910.132(d)(1)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.132(d)(1) and (2): A hazard assessment was not made of the workplace, with a written certification, to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment:

A hazard assessment has not been conducted to determine what PPE should be provided, required, and worn for employees working with chlorine in the WET Lab. Additionally, an assessment should determine the need for sensors / alarms, and the potential to develop evacuation policies and procedures.

Item: **0008**
Standard: **1910.1200(f)(6)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.1200(f)(6): The employer did not ensure that each container of hazardous chemicals in the workplace was labeled, tagged or marked with the appropriate hazard warnings:

Several tanks in the WET Lab did not have adequate hazard communication labeling. Examples include hydrofluosilicic acid, potassium permanganate, and hypochlorite.

Item: **0009**
Standard: **1910.141(a)(4)(ii)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.141(a)(4)(ii): Wastes were not removed as often as necessary to maintain the place of employment in a sanitary condition:

The liquid contents of a mop bucket in the WET Lab had formed a slimy / sludge like sheen potentially from microbial growth accumulating over an extended period of time.

Item: **0010**
Standard: **1910.134(a)(2)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.134(a)(2): The employer did not establish and maintain a respiratory protection program which included the requirements outlined in 29 CFR 1910.134(c):

A half-face respirator and an N95 filtering facepiece respirator were not being stored in a clean & sanitary condition. Additionally, the respirators were stored in a manner that posed a risk to their structural integrity.

Item: **0011**
Standard: **1910.132(a)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.132(a): Protective equipment was not maintained in a sanitary and reliable condition:

Chemical splash goggles in the in storage cages in WET Lab and HVAC area were dirty and hanging from their elastic straps.

Item: **0012**
Standard: **1910.101(b)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.101(b): The in-plant handling, storage, and utilization of all compressed gases in cylinders, portable tanks, rail tankcars, or motor vehicle cargo tanks was not in accordance with Compressed Gas Association Pamphlet P-1-1965, which is incorporated by reference as specified in Sec. 1910.6:

A large, compressed gas cylinder in the HVAC area was not stored securely to preventing tipping. Additionally, the cylinder was not labeled in a manner making its contents easily identifiable.

Item: **0013**
Standard: **1910.110(c)(6)(iii)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.110(c)(5)(i): Containers, regulating equipment, manifolds, pipe, tubing, and hose shall be located as to minimize exposure to abnormally high temperatures, physical damage, or tampering by unauthorized persons.

Several Lp cylinders were stored in manner subjecting them to physical damage in the plumbing storage cage. Heavy chains etc. were stored above and around them. Flammable materials were also stored immediately adjacent to the cylinders.

Item: **0014**
Standard: **1910.110(f)(2)(i)**

Instance: **A**
Correction Due Date: **7/6/2022**

Description: 29 CFR 1910.110(f)(2)(i): LP gas container(s) in storage were not located so as to minimize exposure to excessive temperature rise, physical damage, or tampering by unauthorized persons:

A 20 pound Lp cylinder was being stored with gasoline and kerosene in a flammable cabinet located in the woodshop.

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 patrick.donahue@state.mn.us.