



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY
MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
BARTON G. PICKELMAN, DIRECTOR

SUSAN CORBIN
DIRECTOR

CONSULTATION EDUCATION AND TRAINING DIVISION HAZARD SURVEY REPORT

Company: Big Rapids Charter Township Fire Department
Contact: Carman Bean
Company Address: 14212 Northland Dr Big Rapids, MI 49307
Phone: (231) 796-3603 Ext:
Email: supervisor@bigrapidstownship.net
Date of Site Visit: 2/22/2024
RCA Number: 3203
Site Address: 14212 Northland Dr Big Rapids, MI 49307
Submitted to Employer:
Scope of Survey: Partial Scope
Consultant: Deb Ziel

Thank you for utilizing the MIOSHA's Consultation Education and Training Division and helping to promote workplace safety and health with employees in the State of Michigan. These hazard surveys help to reinforce a message of continuous safety and health improvement to everyone involved. If you have any questions about the visit, or if you would like help to improve programs, please contact your consultant directly.

Following are the results of the walkthrough hazard survey which you should find helpful in continuing to provide employee protection in your workplace. This hazard survey should not be construed as a complete listing of all unsafe acts or unsafe conditions which might be present. This is a listing of acts or conditions observed during the visit that could cause personal injury or illness. Items observed may be non-compliant are so noted. Photos taken by the consultant may be found in Appendix C and may be helpful in identifying additional information about the location and conditions of hazards.

To use our services, employers must agree to abide by certain obligations. Consultants do not issue citations or propose penalties. The employer must correct all serious hazards in accordance with set correction due dates and provide documentation of the action taken to eliminate or control the hazards. Failure to do so may result in referral to enforcement. Employers should correct other-than-serious and regulatory hazards in a timely manner but need not send verification of correction.

Hazards noted from the consultation may be in any of the following hazard types:

- Imminent dangers hazards are those that can reasonably be expected to cause death or serious physical harm immediately or before this written report is received. Any such

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hazards would have been corrected immediately and would not appear in this report. Also, no correction dates or space for correction method would appear in Appendix A Abatement Response.

- Serious hazards are those identified where death or serious physical harm could result from the violation or from a practice, means, method, operation, or process that is in use.
- Other-than-serious hazards are those where the most serious injury or illness that would be likely to result from the hazardous condition cannot reasonably be predicted to cause death or serious physical harm.
- Regulatory hazards reflect violations of MIOSHA posting requirements, recordkeeping requirements, and reporting requirements as found in MIOSHA ADM Part 11 and Public Act 154 of 1974.

We look forward to hearing from you about actions you have taken, or plan to take, in response to this report and its recommendations. The consultant will follow up with you within 30 days to discuss the status of the observations noted in this report. The follow up contact may be done by site visit, phone, or e-mail. You are urged to correct all deficiencies as soon as possible. The action taken to correct the identified hazards can be reported to the consultant by using the Abatement Response (Appendix A) sheet, included in this document. Alternately, employers can note below each Potential Violation what corrective action was taken and the date corrected.

Effective Safety and Health Program (SHP) management is a decisive factor in reducing the extent and the severity of work-related injuries and illnesses. The MIOSHA Form 512 is used to assess the SHP. If your consultant completed an assessment, you will see their completed evaluation in Appendix B. Please use their evaluation as a tool to help identify strengths and opportunities for improvement. If a SHP review was not completed, you are encouraged to use the form for your own evaluation of the management system at your organization. We encourage you to inform your employees of the actions you take. This knowledge will help them to participate in maintaining a safe and healthy workplace.

In the event of a MIOSHA 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. If we conducted exposure monitoring at your establishment, you will be required to furnish to a Compliance Officer, any exposure data from this report as required by MIOSHA OH Part 470.

Again, thank you for the opportunity to provide consultative assistance and should you have any questions about this report please contact your consultant.

HAZARD SURVEY RESULTS

Item 1

Potential Violation: 1

Classification: Serious

Standard/Rule: Part 74 FireFighting-408.17411(1)-An employer shall comply with all of the following requirements:

- (a) Ensure that prospective firefighters receive a pre-employment physical conducted by a PLHCP to ensure they have the ability to perform assigned emergency operations.
- (b) Ensure that job-required equipment and tools are maintained free of recognized defects that could cause an injury.
- (c) Develop a written procedure that covers the treatment and transport of injured employees from the emergency scene to a medical facility.
- (d) Comply with the requirements of this part, review with, and make available a copy of this part for employees.

Condition: FD states they have all the necessary paperwork, but is currently not organized in a fashion that is accessible.

Recommended Action: Recommend creating a book that will cover items (b)-(d) of Rule 498.17411. Links to examples of SOG manuals below. Recommend all equipment and apparatus inspections are either in the same book or closely found next to the SOG book. Training logs can be centrally located or in each Fire Fighters personal file. Assure training is conducted and documented.

Standard: [GI 74 \(michigan.gov\)](http://michigan.gov)

Enforcement Instruction: [MIOSHA-STD-22-1.pdf \(michigan.gov\)](http://michigan.gov)

Example SOGs: [Standard Operating Procedures \(a2gov.org\)](http://a2gov.org); [guidelines v4 12.pdf \(revize.com\)](http://revize.com) More are easily found thru a google search.

Abatement Response, Including Date and Signature in Appendix A

Item 2

Potential Violation: 1

Classification: Serious

Standard/Rule: Part 39 Design Safety Standards for Electrical Systems-1910.303(b)(1)-Electrical equipment shall be free from recognized hazards that are likely to cause death or serious physical harm to employees. Safety of equipment shall be determined using the following considerations:

- (i) Suitability for installation and use in conformity with the provisions of this subpart;
- (ii) Mechanical strength and durability, including, for parts designed to enclose and protect other equipment, the adequacy of the protection thus provided;
- (iii) Wire-bending and connection space;
- (iv) Electrical insulation;
- (v) Heating effects under all conditions of use;
- (vi) Arcing effects;

(vii) Classification by type, size, voltage, current capacity, and specific use; and
(viii) Other factors that contribute to the practical safeguarding of persons using or likely to come in contact with the equipment.

Condition: Damaged conductor cable exposing wiring greater than 50 Volts in basement (potentially wet location)

Recommended Action: Identify and correct all damaged electrical cable/conduit or damaged outlet boxes.

Photo:



Standard: [GI 39 \(michigan.gov\)](http://michigan.gov)

Abatement Response, Including Date and Signature in Appendix A

Item 3

Potential Violation: 1

Classification: Other than Serious (OTS)

Standard/Rule: Part 2 Walking-Working Surfaces-1910.28(b)(11)(ii)-The employer must ensure each flight of stairs having at least 3 treads and at least 4 risers is equipped with stair rail systems and handrails as found in Table D-2, Stairway Handrail Requirements.

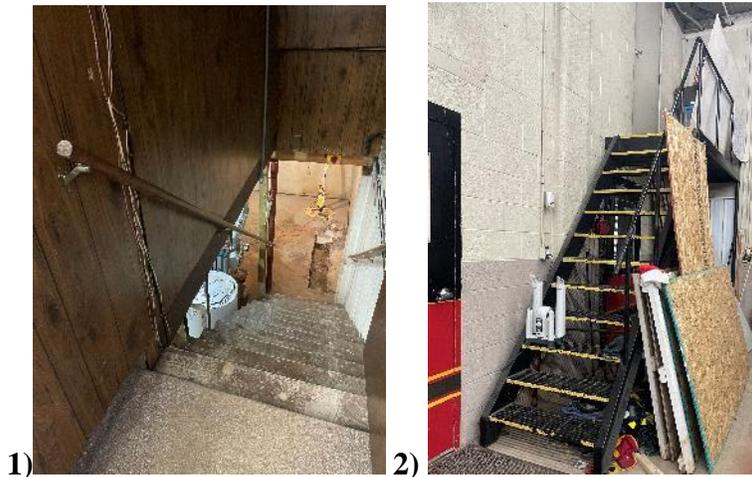
Condition: 1) Stairs to basement missing mid-rail on open side. 2) Missing handrail on bay stairs.

Recommended Action: 1) Provide mid-rail on open area of basement stairs. 2) Provide handrail on bay stairs to storage area. Comply with Table D-2:

TABLE D-2 STAIRWAY HANDRAIL REQUIREMENTS				
Stair Width	Enclosed	One Open Side	Two Open Sides	With Earth Built Up on Both Sides
Less than 44 inches (1.1 m)	At least one handrail	One stair rail system with handrail on open side	One stair rail system with handrail on each open side	
44 inches (1.1 m) to 88 inches (2.2 m)	One handrail on each enclosed side	One stair rail system with handrail on open side and one handrail on enclosed side	One stair rail system with handrail on each open side	
Greater than 88 inches (2.2 m)	One handrail on each enclosed side and one intermediate handrail located in the middle of the stair	One stair rail system with handrail on open side, one handrail on enclosed side, and one intermediate handrail located in the middle of the stair	One side rail system with handrail on each open side and one intermediate handrail located in the middle of the stair	
Exterior stairs less than 44 inches (1.1 m)				One handrail on at least one side

Note to Table: The width of the stair must be clear of all obstructions except handrails.

Photo:



Standard: [GI 2 \(michigan.gov\)](http://michigan.gov)

Abatement Response, Including Date and Signature in Appendix A

Item 4

Potential Violation: 1

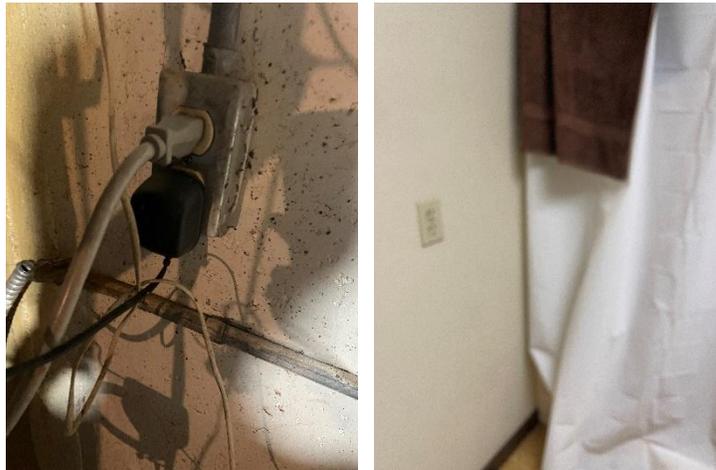
Safety Recommendation

Recommendation Summary-Assure that all outlets located near water exposure have GFCI capability.

Condition: Outlet boxes in shower and basement area that could not be traced back to a GFCI breaker or device.

Recommended Action: Assure GFCI is part of all wet area circuits.

Photo:



Item 5

Potential Violation: 1

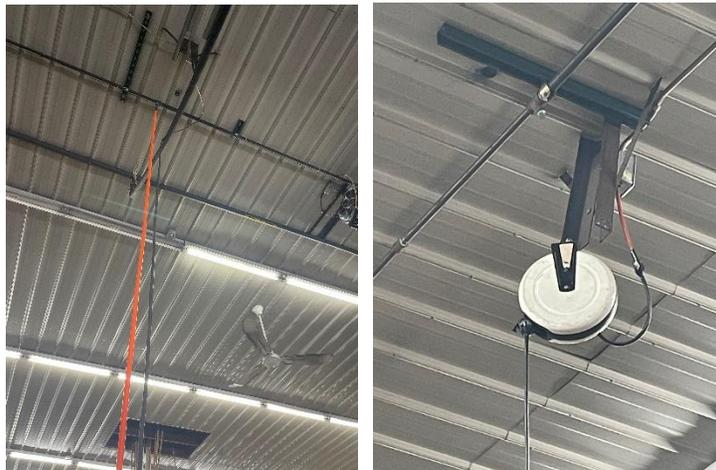
Classification: Serious

Standard/Rule: Part 39 Design Safety Standards for Electrical Systems-1910.303(b)(2)-Listed or labeled equipment shall be installed and used in accordance with any instructions included in the listing or labeling.

Condition: Extension cords hard wired into electrical boxes.

Recommended Action: Assure all wiring and drops are used in accordance with the manufacturer's instructions.

Photo:



Standard: [GI 39 \(michigan.gov\)](http://michigan.gov)

Abatement Response, Including Date and Signature in Appendix A

Item 6

Potential Violation: 1

Safety Recommendation: Check the emergency relief valve on the air compressor at least twice a year.



Item 7

Potential Violation: 1

Classification: Serious

Standard/Rule: Part 1A Abrasive Wheels-408.10114(1)-An off hand grinder shall be equipped with either a work rest so located that the point of grinding is on a horizontal plane with the wheel spindle, or a device which shall prevent the work piece from jamming between the abrasive wheel and the wheel guard. Where a work rest or device is used at a height other than the horizontal plane with the spindle, a warning sign shall be installed to prohibit use of the grinder for other than the job for which the work rest or device was set.

Potential Violation: 2

Classification: Serious

Standard/Rule: Part 1A Abrasive Wheels-408.10121(1)-An abrasive wheel shall be provided with a guard, except as noted in this subrule, which shall cover the spindle end, nut, and flange projections, as well as the periphery, other than where work is to be performed. (See figures)

Exceptions are as follows:

- (a) Wheels used for internal grinding while advancing or retracting the work or while within the work.
- (b) Mounted wheels that are not more than 2 inches in diameter.
- (c) Plug and cones that are not more than 3 inches in diameter or 5 inches in length.
- (d) A type 1 reinforced wheel which is not more than 3 inches in diameter and 1/4 inch thick and with which safety glasses and face shield protection are provided and used as prescribed in Part 33. Personal Protective Equipment, being R 408.13301 et seq. of the Michigan Administrative Code.
- (e) Lapidary grinding. A metal diamond lapidary blade which is notched, segmented, or continuous rim which is used within a coolant deflector does not require guards for speeds of not more than 3,500 sfpm.
- (f) Tuck point wheel, masonry, or concrete saws may have the spindle end, nut, and flange exposed as per figures 1 and 2 of R 408.10198.

Potential Violation: 3

Classification: Serious

Standard/Rule: Part 1A Abrasive Wheels-408.10125-A guard for an abrasive wheel on a bench, floor or cylindrical grinder shall be constructed so that the peripheral protecting member can be adjusted to the decreasing diameter of the abrasive wheel. The distance between the abrasive wheel and the end of the peripheral member at the top shall not exceed 1/4 inch. An adjustable tongue may be used to achieve this dimension.

Condition: Bench grinder missing spindle guard on one end, and no tongue guards found. Only one work rest seen.

Recommended Action: Either find all missing guards, replace and adjust properly or replace grinder with one that has all of the required guards.

Photo:



Standard: [GI 6 \(michigan.gov\)](http://michigan.gov)

Abatement Response, Including Date and Signature in Appendix A

Item 8

Potential Violation: 1

Classification: Serious

Standard/Rule: Part 12 Welding and Cutting-408.11222(3)-A cylinder, including an empty cylinder, which is in storage, being shipped, or has the regulator removed shall have the cap secured in place, if a cap is provided in the design, or shall be otherwise protected.

Condition: Welding tanks on cart without regulator or caps.

Recommended Action: When welding tanks are not in use, they should be removed from the cart and separated by 20 feet of distance with caps on, or if in use the tanks should be attached to regulators that have been depressurized.

Photo:



Standard: [GI 12 \(michigan.gov\)](http://michigan.gov)
Abatement Response, Including Date and Signature in Appendix A

Appendix A

**ABATEMENT RESPONSE
Follow Up**

For each serious hazard, please provide written verification that the hazard has been corrected. The written verification must include a narrative description of the corrective action taken.

Please email this completed "Abatement Response" form to your safety or industrial hygiene consultant, or it can be faxed to (517) 284-7725.

RCA Number: _____
Company Name: _____
Company Phone: _____

List the specific method of correction for each of the items in this hazard survey report, including those that were corrected while the consultant was at the work site.

EXAMPLE:

Item Number: 1 and Potential Violation Number: 1 was corrected on: 6/3/22

By (Method of Correction): Item was corrected by installing the proper fall protection. Our employees have been reinstructed and the job is completed.

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
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By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

Item Number: _____ and Potential Violation Number: _____ was corrected on: _____
By (Method of Correction): _____

I certify that the information contained in this document is accurate.

Signature: _____ Date: _____

Printed Name: _____ Title: _____



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Appendix B 512 – Safety and Health Program Review

Company: Big Rapids Charter Township Fire Department
Contact: Carman Bean
Company Address: 14212 Northland Dr Big Rapids, MI 49307
Phone: (231) 796-3603 Ext:
Email: supervisor@bigrapidstowship.net
Date of Site Visit: 2/22/2024
RCA Number: 3203
Site Address: 14212 Northland Dr Big Rapids, MI 49307
Submitted to Employer:
Scope of Survey: Partial Scope
Consultant: Deb Ziel
NAICS:

Hours Worked:	Total Incidents:	Total Dart Incidents:
Incident Rate:	Michigan TCIR:	OSHA TCIR Rate:
DART Rate:	Michigan DART Rate:	OSHA DART Rate:

1. Management Leadership	Score 0 - 3	Comments
Top management demonstrates its commitment to continuous improvement in safety and health, communicates that commitment to workers, and sets program expectations and responsibilities.		
Managers at all levels make safety and health a core organizational value, establish safety and health goals and objectives, provide adequate resources and support for the program, and set a good example. Management participates in safety activities (e.g. safety committee).		
2. Worker Participation	Score 0 - 3	Comments
Workers and their representatives are involved in all aspects of the program - including setting goals, identifying and reporting hazards, investigating incidents, decision making, selecting controls, and tracking progress.		

All workers, including contractors and temporary workers, understand their roles and responsibilities under the program and what they need to do to effectively carry them out.		
Workers are encouraged and have means to communicate openly with management and to report safety and health concerns without fear of retaliation.		
Any potential barriers or obstacles to worker participation in the program (for example, language, lack of information, or disincentives) are removed or addressed.		
3. Hazard Identification & Assessment	Score 0 - 3	Comments
Procedures are put in place to continually identify workplace hazards and evaluate risks. Analysis of incident trends (near miss, first aid, recordable).		
Safety and health hazards from routine, nonroutine, and emergency situations are identified and assessed.		
An initial assessment of existing hazards, exposures, and control measures is followed by periodic inspections and reassessments, to identify new hazards.		
Any incidents are investigated with the goal of identifying the root causes.		
Identified hazards are prioritized for control.		
4. Hazard Prevention & Control	Score 0 - 3	Comments
Employers and workers cooperate to identify and select methods for eliminating, preventing, or controlling workplace hazards.		
Controls are selected according to a hierarchy that uses engineering solutions first, followed by safe work practices, administrative controls, and finally personal protective equipment (PPE).		
A plan is developed to ensure that controls are implemented, interim protection is provided, progress is tracked, and the effectiveness of controls is verified.		
5. Education & Training	Score 0 - 3	Comments
All workers are trained to understand how the program works and how to carry out the responsibilities assigned to them under the program.		
Employers, managers, and supervisors receive training on safety concepts and their responsibility for protecting workers' rights and responding to workers' reports and concerns.		
All workers are trained to recognize workplace hazards and to understand the control measures that have been implemented.		
6. Program Evaluation & Improvement	Score 0 - 3	Comments

Control measures are periodically evaluated for effectiveness.		
Processes are established to monitor program performance, verify program implementation, and identify program shortcomings and opportunities for improvement.		
Necessary actions are taken to improve the program and overall safety and health performance.		
7. Communication & Coordination for Host Employers, Contractors, and Staffing Agencies - Actions	Score 0 - 3	Comments
Host employers, contractors, and staffing agencies commit to providing the same level of safety and health protection to all employees.		
Host employers, contractors, and staffing agencies communicate the hazards present at the worksite and the hazards that work or contract workers may create on site.		
Host employers establish specifications and qualifications for contractors and staffing agencies.		
Before beginning work, host employers, contractors, and staffing agencies coordinate on work planning and scheduling to identify and resolve any conflicts that could affect safety or health.		
Total Score		(24 items) (72 points possible)

Scoring: 0 = not implemented, 1 = partial, 2 = implemented, minor issues, 3 = fully implemented (enter whole numbers only)

Appendix C
PHOTOGRAPHS