

OHS Case ID: **2889DCDTLZK**

Field Visit no: **2889DCDTLZK-2889-FV001**

Visit Date: **2025-MAR-20**

Field Visit Type: **INITIAL**

Workplace Identification:

**CITY OF HAMILTON - TRAFFIC OPERATIONS CENTRE**

Notice ID:

**1375 UPPER OTTAWA STREET, HAMILTON, ON CA L8W 3L5**

Telephone:  
**(905) 546-4510**

JHSC Status:  
**Active**

Work Force #:  
**20**

Completed %:

Persons Contacted: **Nolan VanDenHeede - Health, Safety & Wellness 2) Cary MacDonald - H&S 3) John Flynn - Worker Rep 4) Corey Clark - Traffic Signal Supervisor.**

Visit Purpose: **compliance review of event**

Visit Location: **1375 Upper Ottawa, office**

Visit Summary: **no orders issued**

**Detailed Narrative:**

Event details;

report of noise induced hearing loss

Summary of visit;

Noise conservation program has been implemented with the workers at this location through different media formats. Noise assessments have been completed on multiple pieces of equipment and discussion was held with regards to items where double hearing protection maybe required. Additionally the committee is advised to review the above and the practical implementation of the different devices available to the workers.

Signs were in place throughout the facility advising of noise area's.

A compressor was found in the south east corner of the garage. There was no signage in this area with regards to if it was noisy. Committee is advised to review this application. The inner side of the guarding to the v-belts on the fly wheels allowed access to the pinch points. Order issued.


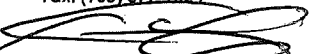

A review of the paint truck area was completed. There were paints and glass beads in the area that supplied the truck with the product for painting on the roadways. SDS available and sent by email. Further information to follow. If the glass beads are a WHMIS controlled product, the a supplier label is advised for the product. A workplace label maybe used if a supplier label is not available.

NOISE

The Ministry of Labour, Immigration, Training, and Skills Development (MLTSD) attended this workplace in response to a notice of occupational illness. The notice of occupational illness includes a claim of noise induced hearing loss (NIHL) for a former worker. the worker was employed in the Metallurgical Lab

At the time of this visit steps taken by the employer to prevent recurrence were reviewed and compliance with requirements outlined in the Ontario Regulation 381/15 Noise [O. Reg 381/15] was verified.

The O. Reg. 381/15 sets out a maximum time-weighted average limit of 85 dBA of noise exposure over an 8-hour work shift (85 dBA Lex,8) and requires employers to implement the hierarchy of noise controls and to provide adequate training and instruction on hearing protection devices (HPD) provided to workers. The HPDs must also be appropriate and effective to protect workers against excessive noise exposures.

Recipient	Inspector Data	Worker Representative
Name <u>Corey Clark</u>	<b>PETER COUTLEE</b> O.H.S.A. & B.O.S.T.A. INSPECTOR PROVINCIAL OFFENCES OFFICER	Name <u>Johnny Flynn</u>
Title <u>Management Rep JHSC.</u>	119 King St W, 14th Fl., Hamilton, ON, L8P 4Y7 MOLUHSAMILTONEAST@ontario.ca Tel: (905) 912-1244 Fax: (905) 577-1324	Title <u>Worker Rep</u>
Signature 	Signature 	Signature 

You are required under the Occupational Health and Safety Act to post a copy of this report in a conspicuous place at the workplace and provide a copy to the health and safety representative or the joint health and safety committee if any. Failure to comply with an order, decision or requirement of an inspector is an offence under Section 66 of the Occupational Health and Safety Act. You have the right to appeal any order or decision within 30 days of the date of the order issued and to request suspension of the order or decision by filing your appeal and request in writing on the appropriate forms with the Ontario Labour Relations Board, 505 University Ave., 2nd Floor, Toronto, Ontario M5G 2P1. You may also contact the Board by phone at (416) 326-7500 or 1-877-339-3335 (toll free), mail or by website at <http://www.oltb.gov.on.ca/> for more information.

The Government of Ontario wants to hear from you. You can provide feedback on this visit at 1-888-745-8888

Occupational  
Health and Safety

Field Visit Report

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PROGRAM

The hearing conservation program should also provide for the actions to be taken if a hearing threshold shift consistent with noise exposure is detected by the audiograms. The steps may include re-training of the affected worker on the hearing protection devices, referring the worker to audiologist, reviewing of the worker's job to identify any changes that may cause increase in the noise exposure, and if it is necessary re-evaluation of the noise exposure. Also, the engineering and administrative controls should be reviewed to determine if any improvements can be implemented.

The employer should also address the use of hearing aids and proper hearing protection for workers with hearing loss. Hearing aids are not designed to be HPDs and do not provide sufficient attenuation for the noise exposure. Workers should not wear hearing aids if working in hazardous noise, either as a hearing protector or in combination with hearing protection. When the hearing aid is on, the hearing aid can amplify the already hazardous noise and cause further hearing loss. Also, it is not recommended that workers wear hearing aids under earmuffs unless the workers' audiologist (or other hearing professional) has addressed the issue of the output of the hearing aid under the earmuff. Passive HPDs worn by workers with pre-existing hearing loss can, artificially increase worker's hearing loss and might reduce worker's ability to understand speech or hear auditory warning signals, imposing unreasonable safety risks. If a worker has hearing loss and is working in hazardous noise, the employer should consider providing hearing protection appropriate for that worker.

If a worker has hearing loss and is working in hazardous noise, the employer should consider providing hearing protection appropriate for that worker. The employer may refer to the CSA Standard Z1007-16 Hearing Loss Prevention Program (HLPP) Management to obtain further information with regard to hearing protection devices for workers with pre-existing hearing loss.

Training

The employer is advised that workers must be aware of health effects of excessive noise and importance of proper use of hearing protection devices. They also, must be provided with an adequate training and instruction on care and use of HPDs. The training and instruction shall include;

- limitations of the HPDs
- proper fit
- inspections and maintenance (if applicable) and
- cleaning and disinfection, with emphasis on hand hygiene when handling HPDs.
- aware of health effects of excessive noise and how to early detect noise exposure

HPD's must be appropriate and effective to protect workers against excessive noise exposures. The Noise Reduction Rating (NRR) provided on the HPD packages is used to determine the noise reduction abilities of the HPD. Since the NRR is based on the C-weighted sound measurements done under laboratory conditions, it must be de-rated to account for the A-weighted scale and the real-world conditions. The Canadian Standard Association (CSA) Standard Z94.2 - 14 Hearing Protection Devices - Performance, Selection, Care, and Use, recommends de-rating NRRs by multiplying by 0.7 for earmuffs, and 0.5 for earplugs, and subtract 3 dBA (a correction factor for measurements done on A scale).

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Name _____	<b>PETER COULTEE</b> O.H.S.A. & B.O.S.T.A. INSPECTOR PROVINCIAL OFFENCES OFFICER 119 King St W, 14th Fl., Hamilton, ON, L8P 4Y7 MOLIHSHAMILTONEAST@ontario.ca Tel: (905) 912-1244 Fax: (905) 577-1324	Name <u>Johnny Flynn</u> Title <u>Worker Rep</u>
Title _____		
Signature <u>[Signature]</u>	Signature <u>[Signature]</u>	Signature <u>[Signature]</u>

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The ototoxic substances were briefly discussed at the time of this visit. Ototoxic substances are substances which can cause or increase a hearing loss. Known ototoxic substances include solvents (e.g. toluene), metals (e.g., lead), drugs and asphyxiants (e.g., carbon monoxide). In combined exposures to different ototoxic substances or simultaneous exposure to ototoxic substances and noise, interactive effects may be observed depending on the parameters of noise (intensity, impulsiveness) and the level of ototoxicant exposure. It means that exposure to high levels of ototoxic substances (e.g., above the occupational exposure limits) and noise can cause more hearing damage than exposure to noise alone. Also, the hearing loss may occur at lower levels of noise if there is simultaneous exposure to ototoxic substances. The rationale for ototoxicity of carbon monoxide was that noise may induce cochlear damage by reducing the availability of oxygen in the tissue through increased metabolic demand and that a hypoxia-inducing agent, such as CO, may enhance any noise-induced damage. Lead has an ototoxic effect caused by a neurotoxic mechanism. To reduce the risk of hearing loss, it is advisable to reduce the exposure for noise as well as for the ototoxic substance. It is advisable to use hearing protection devices (e.g., earplugs or earmuffs) even for short duration tasks that are known to generate noise levels above the current occupational exposure limits of 85 dBA Lex8 if the exposure to ototoxic substances is likely to occur.

HPDs must be selected based on:

- Workers exposure to noise
- Attenuation or reduction in sound level provided by the HPD;
- Manufacturer's information about its use and limitations.

Resources;

- The IHSA developed a suite of free e-learning presentations on the basics of hearing protection. Two presentations are available, one for workers and a second for employers, JHSCs, and H&S Representatives. They are also offered in the following translated languages: Chinese (Simplified), Chinese (Traditional), French, Polish, Portuguese, and Spanish.

IHSA website: [www.ihsa.ca](http://www.ihsa.ca) > E-Learning > Basics of Hearing Protection

- Occupational Health Clinics for Ontario Workers Noise Exposure Calculator. It calculates 8 hr exposure levels for different noise levels and for specified lengths of exposure time.

[www.ohcow.on.ca/uploads/Resource/noisecalculator.xls](http://www.ohcow.on.ca/uploads/Resource/noisecalculator.xls)

- NIOSH Hearing Loss Simulator <https://www.cdc.gov/niosh/mining/works/coversheet1820.html>

- Ontario's Noise regulation: MOL Noise Guideline: <https://www.labour.gov.on.ca/english/hs>

Received by email January 22, 2025;

Recipient	Inspector Data	Worker Representative
Name _____	<b>PETER COUTLEE</b>	Name <u>Johnny Flynn</u>
Title _____	O.H.S.A. & B.O.S.T.A. INSPECTOR PROVINCIAL OFFENCES OFFICER 119 King St W, 14th Fl., Hamilton, ON, L8P 4Y7 MOLIHSHAMILTONEAST@ontario.ca Tel: (905) 912-1244 Fax: (905) 577-1324	Title <u>Worker Rep</u>
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**Items Collected/Attached:**

The following item(s) were collected and attached during this field visit.

- **Employer document** - SDS for water based paint - by email this date
- **Engineering report** - Section 52 report for Occupational Illness

Recipient

Inspector Data

Worker Representative

Name \_\_\_\_\_

**PETER COUTLEE**

Name Johnny Flynn

Title \_\_\_\_\_

O.H.S.A. & B.O.S.T.A. INSPECTOR  
PROVINCIAL OFFENCES OFFICER

Title Worker Rep

119 King St W, 14th Fl., Hamilton, ON, L8P 4Y7  
MOLIHSHAMILTONEAST@ontario.ca

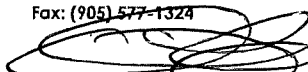
Tel: (905) 912-1244

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Signature



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**Order(s) /Requirement(s) Issued:**

To:  
**CITY OF HAMILTON**

Org/Ind Role:  
**Primary Employer**

Mailing Address:  
**71 MAIN STREET WEST, HAMILTON, ON, CA L8P 4Y5**

**Order(s) /Requirement(s) Description:**

*You are required to comply with the order(s) /requirement(s) by the Comply by dates listed below.*

No	Type Code	Act/Reg	Year	Sec.	Sub Sec.	Clause	Text of Order/Requirement	Comply by Date
1	<b>Time</b> 2889DCDTLZK- 2889-OR001	<b>OHSA</b> 851	<b>1990</b> 1990	<b>25</b>			The employer shall ensure that the in-running nip hazard on the compressor in the south east corner that may endanger the safety of any worker shall be equipped with and guarded by a guard or other device that prevents access to the pinch point. There was access to the flywheel and pinch point at the running v-belts.	<b>2025-MAR-24</b>

**Recipient**

Name \_\_\_\_\_  
Title \_\_\_\_\_

**Inspector Data**

**PETER COUTLEE**  
O.H.S.A. & B.O.S.T.A. INSPECTOR  
PROVINCIAL OFFENCES OFFICER  
119 King St W, 14th Fl., Hamilton, ON, L8P 4Y7  
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**Worker Representative**

Name Johnny E Lynn  
Title Worker Rep

Signature



Signature



Signature



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