



6951 Westminster Highway, Richmond, BC
Mailing Address: PO Box 5350, Vancouver BC, V6B 5L5
Telephone 604 276-3100 Toll Free 1-888-621-7233 Fax 604 276-3247

The *Workers Compensation Act* requires that the employer must post a copy of this report in a conspicuous place at or near the workplace inspected for at least seven days, or until compliance has been achieved, whichever is the longer period. A copy of this report must also be given to the joint committee or worker health and safety representative, as applicable.

Inspection Report #201715624006A		
Employer Name	Jobsite Inspected	Scope of Inspection
SCHOOL DISTRICT #73 KAMLOOPS THOMPSON	855 BEBEK RD KAMLOOPS BC BC V2B 6P2	Woodwork shop

Date of Initiating Inspection	Date of This Inspection	Delivery Date of This Report	Delivery Method
May 08, 2017	May 08, 2017	May 09, 2017	Email

THERE ARE TWO (2) ORDERS OR OTHER ITEMS OUTSTANDING

ACTION REQUIRED

Summary of Orders or other Items		
See "Orders/Items – Full Details" section of this Inspection Report for orders/items cited		
Order/Item No.1 <input checked="" type="checkbox"/>	Status: Complied	Cited: OHS13.2(2)(d)
Order/Item No.2 <input checked="" type="checkbox"/>	Status: Complied	Cited: OHS13.3
Order/Item No.3 <input type="checkbox"/>	Status: Outstanding	Cited: OHS5.71(3)
Order/Item No.4 <input type="checkbox"/>	Status: Outstanding	Cited: OHS5.70(1)

ORDER STATUS LEGEND	
Order Status	Description
Outstanding	Order Outstanding - Action Required to Achieve Compliance
Complied	Compliance Achieved - No Further Action Required
Closed	Order is Closed
Rescinded	Order has been cancelled – No Further Action Required

INSPECTION NOTES

An inspection was conducted at the woodworking shop of this secondary school.

Equipment used in this shop includes table saws, powered miter saw, jointers, thickness planer, disc sander, and belt sander. Several pieces of powered equipment are connected to a local exhaust ventilation dust extraction system. The primary dust collector is a Torit Model 20-5-FB cyclone with a 5 horsepower pull fan, configured to filter discharge air through a manifold fitted with 4 felt filter bags. The discharged air is contained within an enclosure that is part of the main building structure and the discharge air is recirculated back into the wood shop.

The employer representative reported that a concern had been raised about fugitive dust in the shop. An investigation was initiated and a third party (HVAC engineering firm) was contracted to assess the system. It was reported that a process has been initiated to identify a new dust collection system for this location. The circumstances of this location have changed since the original installation, including additional classes being scheduled for woodworking and additional pieces of equipment being added to the dust extraction system, which have likely contributed to a decrease in the efficiency and effectiveness of the system. The system is installed in a location that does not provide adequate protection to workers and others in the event of a dust explosion within the collector. Additionally, discharged air from the collection system is being recirculated back into the work area. Several types of allergenic woods and non-allergenic hardwoods are used in the shop - discharge air from dust collectors used to filter air containing these contaminants is not permitted to be recirculated unless prior written approval by the Board (WorkSafeBC) is obtained.

Interim controls have been discussed with the health and safety manager. A qualified person, who has knowledge of WorkSafeBC regulation, BC Fire Code requirements and established engineering principles for the control of airborne contaminants, should be consulted to assess any interim controls that are proposed and to ensure that any modifications or replacement of the system meets all regulatory requirements.

If there are any questions regarding the items noted in this inspection report, please contact this officer for clarification or assistance -

Phone 250-371-6030,
E-mail vince.strain@worksafebc.com

Health and safety information, including the current versions of the Workers Compensation Act and the Occupational Health and Safety Regulations can be accessed at www.worksafebc.com

ORDERS/ITEMS

An employer who fails to comply with Part 3 of the *Workers Compensation Act*, the *Occupational Health & Safety Regulation*, or *WorkSafeBC* orders may be subject to monetary or other sanctions as prescribed by the *Workers Compensation Act*.

Orders/Items - Full Details

Order/Item No.1 <input checked="" type="checkbox"/>	Status: Complied	Cited: OHS13.2(2)(d)
<p>A job-built wooden ladder was not constructed in accordance with WCB Standard LDR 1, Job Built Ladders, 2004.</p> <p>This is in contravention of the Occupational Health and Safety Regulation Section 13.2(2)(d).</p> <p>In designing and installing a work platform, appropriate safety factors and minimum rated loads must be used in the materials and method of installation, in accordance with WCB Standard LDR 1, Job Built Ladders, 2004.</p> <p><u>Measures to Ensure Compliance:</u> This ladder was removed from service and disposed of prior to the conclusion of this inspection.</p>		
Order/Item No.2 <input checked="" type="checkbox"/>	Status: Complied	Cited: OHS13.3
<p>A wooden self-supporting ladder (step ladder) was observed in the shop. The stiffener braces attached to the back side of the ladder were not secured at the bottom as a result of wear and/or damage to the metal fastener gussets. The grade of the ladder was not visible.</p> <p>This is in contravention of the Occupational Health and Safety Regulation Section 13.3.</p> <p>A ladder, window cleaner's belt, work platform and associated components must be inspected before use on each shift, and after any modification, and any condition that might endanger workers must be remedied before the equipment is used.</p> <p><u>Measures to Ensure Compliance:</u> This ladder was removed from service and disposed of prior to the conclusion of this inspection.</p>		
Order/Item No.3 <input type="checkbox"/>	Status: Outstanding	Cited: OHS5.71(3)
<p>A dust collector having an internal volume greater than 0.6 m3 (20 ft3) and being used to control combustible dusts is not located, or is not constructed, so that no worker will be endangered in the event of an explosion inside the collector. The Torit Model 20-5-FB cyclone with attached 4-bag filter manifold is located in a wood framed enclosure attached to the woodworking shop. The total volume of the enclosure is greater than 20 cubic feet (0.6 M3) and the enclosure has not been designed to prevent danger to workers in the event of an explosion inside the collector.</p> <p>This is in contravention of the Occupational Health and Safety Regulation Section 5.71(3).</p> <p>A dust collector having an internal volume greater than 0.6 m3 (20 ft3) and being used to control combustible dusts must be located and constructed so that no worker will be endangered in the event of an explosion inside the collector.</p> <p><u>Measures to Ensure Compliance:</u> In consultation with a qualified person, an assessment must be done of the explosion hazard related to this enclosure and appropriate measures taken to eliminate the risk of injury to workers in the event of an explosion within the dust collector.</p>		

Orders/Items - Full DetailsOrder/Item No.4 Status: **Outstanding**Cited: **OHS5.70(1)**

The Torit cyclone is installed so as to recirculate filtered air back into the work area. Based on inquiries made at the time of inspection, a large percentage of the wood processed on equipment served by this dust extraction system is allergenic and/or non-allergenic hardwood.

The ventilation system designed to recirculate contaminants into the work area is not in accordance with the following provision::

Recirculation only with written approval by the board: allergenic wood dust; non-allergenic hardwood dust; or any contaminant not otherwise listed in this table.

This is in contravention of the Occupational Health and Safety Regulation Section 5.70(1).

The use of a ventilation system designed to recirculate contaminants into the work area is restricted by the provisions of Table 5-1.

Measures to Ensure Compliance:

The recirculation of air that contains allergenic wood dust or wood dust from non-allergenic hardwoods into a work area is to be ceased without delay, unless written approval is obtained from WorkSafeBC.

REFERENCES

In addition to any orders, or other items, and the information provided in the Inspection Notes section in this Inspection Report, the officer may discuss other health and safety issues with the employer arising out of the inspection. The information below sets out the health and safety requirements discussed with the employer, and unless otherwise noted, violations of these requirements were not observed.

Reference	Details Discussed
OHS5.61 A ventilation system for controlling airborne contaminants in the workplace must be designed, installed and maintained using established engineering principles. Note: A useful guide is "Industrial Ventilation - A Manual of Standard Practice" published by the American Conference of Governmental Industrial Hygienists.	The engineering requirements for ventilation systems used to control airborne contaminants have been discussed with the employer representative.
OHS5.62 The employer or the employer's agent must submit to the Board drawings and specifications for an existing or proposed ventilation system if requested by the Board.	A request has been submitted to the employer to provide drawings and specifications for proposed changes to the existing ventilation system.



6951 Westminster Highway, Richmond, BC
 Mailing Address PO Box 5350, Vancouver BC, V6B 5L5
 Telephone 604 276-3100 Toll Free 1-888-621-7233 Fax 604 276-3247

Employer #	Mailing Address	Classification Unit #	Operating Location
579560	1383 9TH AVE KAMLOOPS BC V2C 3X7	765008	048

Lab Samples Taken	Direct Readings	Results Presented	Sampling Inspection(s)	Workers onsite during Inspection	Notice of Project Number
N	N	N		25	

Inspection Report Delivered To	Employer Representative Present During Inspection	Worker Representative Present During Inspection	Labour Organization & Local
Michelle Marginet	Tom Dinsdale	Seamus Connoly	BC TEachers Federation

WorkSafeBC Officer Conducting Inspection
Vincent Strain

*Inspection Time	*Travel Time
3.25 hrs	0.75 hrs

*The time recorded above reflects the inspection time and travel time associated with this inspection report and includes time spent on pre and post-inspection activities. Additional time may be added for subsequent activity.

Right to Review

Any employer, worker, owner, supplier, union, or a member of a deceased worker's family directly affected may, within 45 calendar days of the delivery date of this report, in writing, request the Review Division of WorkSafeBC to conduct a review of an order, or the non-issuance of an order, by contacting the Review Division. Employers requiring assistance may contact the Employers' Advisers at 1-800-925-2233.

WorkSafeBC values your feedback. To obtain that feedback, an external market research provider may be contacting you to complete a survey.