

**SITE-SPECIFIC SAFETY PLAN  
FOR DEMOLITION OF BUILDING AT**

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### Please ensure that this Demolition Site Safety Plan includes the following:

- Location of fire extinguishers
- Location of muster point
- Location of nearest fire hydrant (which must be kept clear of all obstructions)
- Aerial view of site plan (ex/ Google Maps screenshot)

## 1.0 EMERGENCY PROCEDURES

### 1.1 IF A FIRE IS IDENTIFIED

- **FIGHT** the fire **ONLY** if it is **SMALL** and you are not alone.
- **EVACUATE** via the nearest safe exit.
- **NOTIFY SITE SUPERVISOR** of the fire emergency on-route.
- **SOUND** Fire signal (3 blasts with air horn) outside the construction areas.
- **PROCEED** to the existing building and activate a fire alarm pull station located in a safe location or **ENSURE** that occupants in existing areas are aware of incident.

### 1.2 IF YOU HEAR A FIRE ALARM

- **EVACUATE** via the nearest safe exit.
- **ASSIST** disabled persons to reach the nearest safe exit.
- **ASSEMBLE** clear of the building and arriving fire apparatus.
- **PHONE 9-1-1** to report a fire at your address.
- **ENSURE** that the **ALARM SYSTEM** in the existing building is operating by **ACTIVATING** a fire alarm pull station or **ENSURE** that occupants in existing areas are aware of fire.

## 2.0 DEMOLITION SITE SAFETY PLANNING

Site Safety Planning during demolition of the structure has 3 objectives:

1. FIRE HAZARD CONTROL
2. FIRE PROTECTION EQUIPMENT MAINTENANCE
3. EMERGENCY EVACUATION

Meeting these objectives may eliminate or control the occurrence of fire by emphasizing:

- Good housekeeping
- Site security
- Installation of new fire protection systems as demolition progresses

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- If practicable, preservation of existing systems during alteration or demolition
- Rapid communication
- Consideration of special hazards

## 3.0 FIRE EMERGENCY EVACUATION

During a fire emergency, a fire alarm (horn) shall be sounded three times throughout the building and site, and all occupants will evacuate via the nearest safe exit. The Fire Department will be notified by telephone of the fire emergency, and upon arrival should be assisted by the Site Supervisor.

## 4.0 FIRE PROTECTION SYSTEMS

Existing fire protection systems such as fire alarms have been disconnected. As such, the Site Supervisor shall ensure that a 24-hour fire watch is provided at all times through the schedule of demolition work.

The fire suppression sprinkler system and/or a standpipe shall be maintained in operation, subject to sequential deactivation, until the demolition work is completed.

## 5.0 TRAINING

### 5.1 SITE ORIENTATION

All staff attending the site shall undergo a site safety orientation session that will include a detailed review of this site safety plan. Through the review of the site safety plan, each worker will receive a hard copy of the plan for personal use and reference.

Upon completion of the staff's detailed review of this site safety plan, each staff will sign the "Worker Acknowledgement of Understanding" form provided on the last page of this document.

### 5.2 FIRE EXTINGUISHER TRAINING

Persons working on the site shall be provide an educational program to familiarize them with the general principles of fire extinguisher use and the hazards involved with incipient stage firefighting.

### 5.3 SAFETY MEETINGS

At the beginning of every work shift, all staff involved in the site work shall attend a tailgate safety meeting to review site conditions. If site conditions identify a site safety concern, such as

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hot work, the staff will identify and review implementation of controls that will be used to control the fire hazards associated with the task.

## 5.4 FIRE DRILLS

During the first day of work, and at weekly intervals following the first day, the Site Supervisor shall conduct a fire drill to ensure that all staff are aware of and follow the emergency procedures identified in Section 2.0 of this Site-Specific Safety Plan.

## 6.0 ROLES AND RESPONSIBILITIES

### 6.1 SITE SUPERVISOR

At all times while the site is undergoing demolition work, the Site Supervisor shall be responsible for the following:

- Be readily available to respond to the emergency response personnel in the case of a site emergency.
- Controlling combustibles on site and around the site.
- General housekeeping.
- Removal of excess pallets, garbage/waste materials and other potentially combustible materials from the site.
- Maintaining separation of combustibles from open flame devices.
- Maintaining clear unobstructed access routes for the fire department apparatus and to fire hydrants.
- Designation and maintaining at least one exit from each work area (including the provision of one exit from each floor) on the site.
- Separating access routes from materials stored on site.
- Ensuring parked vehicles or delivery trucks should not obstruct fire department access to the site.

### 6.2 SITE SUPERVISOR BACK-UP

To ensure adequate management of this site safety plan, and if the Site Supervisor is not present at the site, or available for emergency response during off hours, the Site Supervisor Back-Up shall be responsible for the following:

- Be readily available to respond to the emergency response personnel in the case of a site emergency.
- Controlling combustibles on site and around the site.
- General housekeeping.
- Removal of excess pallets, garbage/waste materials and other potentially combustible materials from the site.
- Maintaining separation of combustibles from open flame devices.

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- Maintaining clear unobstructed access routes for the fire department apparatus and to fire hydrants.
- Designation and maintaining at least one exit from each work area (including the provision of one exit from each floor) on the site.
- Separating access routes from materials stored on site.

### 6.3 24-HOUR FIRE WATCH

After the work is completed each day, a security guard shall be retained to provide site security and a fire watch.

If a fire should arise during off hours, the security guard shall follow procedures detailed in Section 2.0, inclusive, and entitled, Emergency Procedures.

### 6.4 SITE WORKERS

Staff working at the site shall become fully aware of the contents and procedures detailed in this site safety plan.

If a fire should arise during work hours, workers shall follow procedures detailed in Section 2.0, inclusive, and entitled, Emergency Procedures.

## 7.0 FIRE EXTINGUISHERS

Prior to beginning work, the Site Supervisor shall ensure there are an adequate number and correct types of fire extinguishers on site, as follows:

- 2A:10-B-C type extinguishers on movable equipment.
- 4A:40-B-C type extinguishers at strategic locations of the site, and as identified on the site plan/drawing.

Ensure extinguishers are up-to-date (tagged to have been certified/inspected within the last year).

4A:40-B-C extinguishers should be placed so that they are readily accessible to workers on the site, i.e., no greater than 20 feet from any one work area.

Ensure the extinguishers are properly mounted with proper signage.

Ensure extinguishers are immediately adjacent to all hot work operations, not limited to include cutting torch, welding, torching, etc.)

## 8.0 MANAGEMENT OF HOT WORK OPERATIONS

Ensure all hot work is completed by trained or certified workers.

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Where practicable, removal all potentially combustible materials for the area where the hot work is taking place. Where removal is not practicable, install thermal barriers between the hot work and the combustible materials.

Assign a fire watch during the entire hot works operation and maintain the fire watch for a period of not less than 1 hour after the completion of the hot work.

Complete and document a final inspection of the hot work 4 hours after the completion of the hot work.

If the hot work is being completed in an enclosed, or partially enclosed area, ensure the area is provided mechanical ventilation, which provides not less than 4 complete air exchanges per hour.

### 9.0 FLAMMABLE & COMBUSTIBLE STORAGE

Ensure all flammable and combustible liquids are properly stored, handled and used in accordance with requirements listed on the safety data sheets applicable to the flammable and/or combustible material.

Ensure all non-petroleum based compressed gases are properly stored, handled and used through the work.

Separate storage area not less than 3 meters from any source of combustible material. Ensure the storage containers are properly vented, and locked/secured.

Ensure portable A:40-B-C extinguisher is installed near the storage areas/containers (not greater than 2 meters' distance from the storage area).

Ensure the storage area/containers are not near the egress and access routes to the site.

### 10.0 ELECTRICAL INSTALLATION & PETROLEUM GASES

If install electrical systems, and or if petroleum gases are in use at the site, ensure electrical installations, storage and use of petroleum gases comply with the requirements for the Safety Standard Act and pursuant regulation. If not familiar with the Safety Standards Act and pursuant regulation, contact the *British Columbia Safety Authority* at 1-866-566-7233.

### 11.0 SITE SECURITY

Site security shall consist of:

- Installation of a locked gate throughout the perimeter of the site.
- Provision of a 24-hour fire watch.

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## 12.0 BUILDING/SITE PLANS

A building/site plan is provided as Attachment I to this document, and forms an integral part of the site safety plan. The building/site plan shall be posted at all entrance points to the site, and provides the following information:

- Plan view of the site and structure(s), temporary or otherwise.
- Muster point(s).
- Location of nearest hydrant.
- Location of fire protection equipment (extinguishers).
- Access and egress routes.

## 13.0 REVIEW OF SITE-SPECIFIC SAFETY PLAN

This Site-Specific Safety Plan will be reviewed and revised whenever site conditions change and will be updated as necessary by the employer, in consultation with the workplace health and safety committee and/or worker health and safety representative.

## 14.0 WORKER ACKNOWLEDGEMENT OF UNDERSTANDING

Staff working through the demolition of the structure are required to acknowledge their receipt and full understanding of the contents of this Site-Specific Safety Plan. Acknowledgement shall be documented by filling out the worker acknowledgement signature block, below:

By signing this, I acknowledge that I have read and fully understand the contents of this Site-Specific Safety Plan.

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Print Name

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Signature

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Date

For more information please refer to our [Construction Bulletin](#) or call the Fire Protective Services division at (604) 927-5288.

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## ATTACHMENT 1 – SITE PLAN / DRAWING