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## **INTRODUCTION**

This dust control plan is designed to provide worker safety, limit the environmental hazards of fugitive dust and to provide effective control of fugitive dust during the demolition of the Fort Francis Paper Mill Demolition Project. The plan discusses what workers are to do in the event of complaints of fugitive dust, EHS safety, supervisors and related duties

## **Purpose**

As per the approved demolition plan Canadian National Demolition will implement a dust control plan in order to address nuisance dust or silica containing dust created from the demolition of concrete structures.

## **Relevant Codes and Standards**

Canadian National Demolition will ensure any additional locally legislated regulations and/or clients work procedure requirements are adhered to as well as ensure the employee performing the task has been adequately informed of all potential hazards and action to be taken relative to precautions and the limiting fugitive dust. Additionally, the following standard will apply to all Canadian National Demolition work site


- 1) Canadian National Demolition EHS Manual and H&S Plan
- 2) Provincial OH&SA & Regulations
- 3) Client specific policies and procedures

## **Tools/Equipment that may be used:**

- (Potential) of Mobile water trucks
- Poly Tarps
- Brooms
- HEPA vacuums
- Water Lines/ Garden Hoses
- Additional water misting equipment as required

## **Protective Clothing (CSA approved PPE) that may be used:**

1. Head protection
2. Eye protection: Goggles must when removing excess dust
3. Foot protection: green triangle patch steel toed with metatarsals safety work boots
4. Hand protection: gloves suitable for the task  
Coveralls or Body and limb protection: disposable long sleeves coveralls impervious to dust (tyvek type) when required
5. Respiratory Protection: half or full-face air purifying respirators equipped with appropriate cartridges and filters NIOSH /P100

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**Possible Hazards to be considered:**

1. Wet floors / poor housekeeping
2. Floor openings not protected / barricaded
3. Health hazard to workers when exposed to airborne dusts
4. Health hazard to adjacent areas when exposed to airborne fibres or dusts
5. Long term health effects
6. Sprains and strains as a result of the manual material handling
7. Malfunctioning PPE
8. Physical damage to equipment
9. Live utilities


**Fugitive Dust Control Methodology:**

It is Canadian National Demolitions intention to control fugitive dust generated from our operations from escaping into the surrounding environment in the following manner:

- During the demolition of the building Canadian National Demolition, when required will implement “water misting” practices in order to mitigate the dust from becoming airborne and migrating into the environment outside of the worksite
- Prior to the start of the demolition, Canadian National Demolition will, as required pre-wet areas to be demolished via water hose, 2” water lines and mobile water trucks. Additional water misting equipment maybe implemented as required
- Dust that accumulates on the ground during the demolition process will be collected via skid steers and loaded into tarped bin and removed from site
- If excessively high particulate levels of dust are determined to be being created by the Canadian National Demolition operations a work stoppage will have to occur and an emergency meeting between Canadian National Demolition and client representatives will be scheduled and other mitigation measures that are outside of the Canadian National Demolition scope of work will need to be discussed and implemented prior to starting work again

**Specific Tasks to be Defined:**

1. Define the job tasks related to the work area and all persons to review and signoff on plan so that all workers are informed of any hazards associated with the dust hazard and mitigation techniques to reduce the risk
2. Properly place and inspect tools and equipment as outlined in the equipment required portion of this document: ensure all tools and equipment are in good working order and readily available
3. Ensure housekeeping area is well maintained (clean and clear work area as work progresses)
4. Misting of the accumulations of dust
5. Wet sweeping of the areas
6. HEPA vacuuming of areas
7. Shoveling and bagging of dust
8. Moving / Storage of the hazardous materials

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9. Final Cleanup of areas and removal of excess water