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Introduction

In addition to Canadian National Demolition goal to eliminate all injuries, prevent adverse environmental health and safety impacts. Canadian National Demolition is committed to reducing waste and promote environmental conservation

Canadian National Demolition will comply with the requirements of the Ministry of the Environment and Climate Change O. Reg. 102/94 Waste Audits and Work Plans. Ministry of the Environment and Climate Change O. Reg. 103/94 Source Separation of Recycled Materials for Industrial, Commercial and Institutional Sectors and Multi-Unit Residential Buildings

Canadian National Demolition will make a reasonable effort to reduce, reuse or recycle demolition materials during the demolition of The Fort Francis Paper Mill

Waste of recyclable materials generated during the demolition will be separated on site including clay brick, and concrete, steel and wood as per Regulation 103

Purpose

The purpose of the Waste Management and Audit Plan s to provide an overview of how the generated waste from the Fort Francis Paper Mill Project will be handled, processed and disposed of including details such as landfills, haulers, site preparation and waste log information

Relevant Codes and Standards

Ontario Environmental Protection Act R.S.O. 1990

Ministry of Environment O. Reg. 347 General - Waste Management Regulation

Ministry of Environment O. Reg. 102/94 Waste Audits and Waste Reduction Work Plans. Ministry of Environment O. Reg 103/94 Source Separation of Recyclable Materials for Industrial, Commercial and Institutional Sectors and Multi-Unit Residential Buildings.


Canadian National Demolition Environmental and Health and Safety Policy 2012.

The findings of Designated Substance Report findings dated March 9, 2020.

Roles and responsibilities

Canadian National Demolition will be responsible for the following:

- Attend kick off meeting, provide site orientation and any other required training.
- Minimize waste generation through efficient use of resources and implement best work practices and green procurement policies where possible.
- Prepare a waste reduction plan that details all proposals to reduce waste by recycling and reuse, where possible.

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- Ensure on-site handling of hazardous wastes is carried out in compliance with the WMP and applicable health and safety standards.
- Provide bins for the collection of demolition waste, as per contract specifications.
- Ensure all wastes generated is removed off-site for recovery or disposal promptly by licensed facilities with no subject waste storage on site.
- Notify and coordinate the packaging, delivery and disposal of generated wastes when transferred to on-site disposal or off-site disposal or recycling, and retain manifests in accordance with regulations.
- Complete wastes manifests or bills of lading as the generator for all demolition wastes when transferred to on-site disposal or off-site for disposal or recycling, and retain manifests for timeframes in accordance with regulations.
- Provide client with data on materials demolished namely qualify materials removed for re-use, recycling and disposal including process dust and debris.
- Within the Demolition Plan minimize waste generation and maximize recycling and re-use opportunities.
- Ensure site personnel inform their supervisor or designate immediately when a spill or other issue of non-compliance with this WMP and/or regulation occurs.
- Ensure only personnel trained in the completion of manifests will be permitted to undertake this task.


Required training for all waste handlers:

- Proper handling and storage of hazardous wastes
- Types of potential spills and releases
- Spill prevention measures
- Spill control and clean up procedures for small spills (less than 25L)
- Information on location of fire extinguishers, pull stations, other emergency response equipment and spill response equipment.
- Proper use of spill kits
- Transportation of Dangerous Goods (TDG)
- WHMIS

Copies of training records will be available onsite as required.

Canadian National Demolition Contact Phone numbers for personnel involved on the planning and execution

Jeff Norton	President	Cell	905.830.2663
Dave Fusek	Project Manager	Cell	647.999.9288
Rick Smith	Environmental EHS Manager	Cell	289.775.3083
Steve Herbert	Site Superintendent	Cell	403.852.7573

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Waste Manifests

Canadian National Demolition will be responsible for reviewing manifests for off-site disposal of specific subject wastes (subject waste classed 142, 146 metal contaminated soils and demolition brick materials, CFCs and PCBs).

All scrap loads for off-site recycle will be manifested by Canadian National Demolition.

Manifests will detail: date, project name and location of generated source, content of loads, transport company, truck information (type + ID#) destination and weights.


Each manifest contains a unique number, which will be used for tracking waste and recycling facility receipts and certificates of destruction.



Sample copy of Hazardous Waste manifest and for non hazardous C&D and metals

Weight Determination

All loads will be weighed via a weigh scale that will be maintained within the Paper Mill property by Canadian National Demolition.

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Landfill and Recycling Information

Scrap Metal- Scrap metal will be transported and prepared within a designated staging area within the Paper Mill property metals will be weighed and shipped directly to a consumer mill. A Canadian National Demolition manifest will be completed for all loads. All loads will be weighed at the scale prior to shipment.

Asbestos Waste – Asbestos waste will be manifested and shipped in lined disposal bins to an approved receiver. Hazardous Waste Manifest Form will be completed prior to shipment. All loads will be weighed at the VALE scale prior to shipment. A copy of the manifest will be maintained on site by Canadian National Demolition

Industrial Non-Hazardous – Non-hazardous waste such as drywall, translucent panels, insulation and miscellaneous debris will be manifested and weighed at the scale prior to shipment to an approved landfill. A copy of the manifest will be maintained onsite by Canadian National Demolition.

Wood – Sections of the buildings are comprised of wood trusses and sheathing of the facility. Canadian National Demolition will segregate generated wood material for recycling if possible


Concrete and Clay Brick - Segregated concrete and brick will be stockpiled for reuse as backfill if client approval is obtained.

Other Hazardous Wastes – Located hazardous consumer products (cleaners, paints motor oil, etc.) will be collected from throughout the facility prior to demolition and brought to the designated staging area on site where Canadian National Demolition superintendents will characterize through analysis if required. Categorized wastes will be removed via a licensed hauler prior to demolition.

PCB Oil – A licenced waste handling facility will be retained to drain and remove all PCB oil from the equipment. PPE and Spill Response Plans will be carefully reviewed prior to work commencement and will be strictly followed while the equipment is drained into appropriate containers (drums or vacuum truck). Containers will be labeled and taken to the staging area or removed immediately for offsite disposal. All Federal, Provincial and Municipal regulations will be followed. A copy of the MOE approval number for Licenced facility will be maintained onsite by Canadian National Demolition.

Mercury – Mercury vapour bulbs will be collected as reasonable possible, place in a labeled container and brought to the waste staging area. Mercury will be recycled through a licenced waste facility.

Blue Box Wastes – Canadian National Demolition will provide a blue bin in the site trailer where personnel will be encouraged to recycle material such as paper, newsprint, beverages, glass bottles and aluminum food containers. Recyclable material will be collected and transported to a waste and recyclables collection facility

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Waste Bin Inspection

Canadian National Demolition will ensure prior to all shipments a bin inspection is conducted by the driver to ensure all loads are properly covered, free of loose debris on rails and supports, secured and in compliance with regulations.

Special Precautions:

- Bins used for Asbestos loads will be lined and labeled/placard. All Asbestos waste will be packaged as per O Reg. 278/05
- Asbestos bins will be inspected prior to leaving the site.
- Drivers shall access the work site and exit according to the project Traffic Plan.
- Drivers must observe posted traffic signs and speed limit within the plant at all times.
- Drivers are not allowed to smoke on site or use cellular phones while driving.
- Bins are only to be dropped off inside the work area with the assistance of a spotter/safety watch to ensure overhead hazards are not present.
- Trucks to be equipped with back up alarm and driver must wait for the signaler to assist him when backing up on site.