



**Dufferin Construction Company**  
585 Michigan Ave, Unit 1  
Oakville, ON L6L 0G1  
Canada

T: 905-842-2741  
F: 905-842-2137

[www.dufferinconstruction.com](http://www.dufferinconstruction.com)

## OVERHEAD POWERLINES - POLICY & PROCEDURES


The Company adopts and will enforce the following rules:

### OVERHEAD ELECTRICAL POWER LINES

- Before any work begins, the contractor, subcontractor or vendor and its applicable employees must investigate and be aware of any overhead electrical power or communication lines and maintain a safe distance at all times in accordance with the Regulation for Construction Projects.
- As per the Regulations for Construction Projects O. Reg. 213/91, Section 188 Working in proximity to overhead power lines or conductors: The Company has attached a copy of the written measures and procedures to ensure minimum distances are not encroached. All subcontractors and employers must implement the safe work procedures in accordance with Section 188 (4) by providing a copy of the written measures and procedures to workers before starting any work.
- The attached policy and procedure must be communicated to all affected personnel.

**In addition to the overhead powerlines policy and procedures, all personnel must adhere to the following;**

- Hard hats, eye protection, safety vests, safety footwear and long pants are mandatory when operators exit their vehicles and equipment at all company construction project sites, yards, shop and plant locations. This also includes workers actively working on the job site. Shorts are prohibited from being worn on any construction project.
- Drivers and operators must obey all signage, including but not limited to: speed limit, stop, and yield signs at all Company locations and surrounding areas. Truck drivers are not allowed to exit their vehicles while being loaded at the Company's Plants and Yards. Drivers and operators must not reverse their vehicles without the assistance of a designated signal person.
- The Company mandates that all dump trucks and mobile equipment entering or operating on company sites must be equipped with an audible automatic back-up alarm that signals when the truck or mobile equipment is being operated in reverse.
- The Company will **NOT** accept, tolerate or condone any breach of any statutory requirements of the Company's Mobile Equipment/Truck Safety Policy, Overhead Powerline Policy, the Ontario Occupational Health and Safety Act, and the Highway Traffic Act.

 <b>Dufferin</b> <small>Construction</small> <small>A CCM COMPANY</small>	<b>Control number</b>		<b>DCC-E3-035</b>		
	✓	Classification	Pertains to :		
		- Policy	E	Q	OH&S
	✓	- Procedure	No	No	Yes
<b>Subject</b>	<b>Safe Working Procedures – Overhead Power Lines for all personnel including Subcontractors, Trucking Companies, Cranes, Boom Trucks, Pump Trucks &amp; other hoisting activities</b>		- Work instruction		
			- Form		
			- Other (describe):		
Revision number	11	Date of Review / Revision	January 18, 2023		
Date of 1 <sup>st</sup> issue		August 30, 2005			
Originating department	Prepared by		Health and Safety		Approved by
<b>Safety</b>	Title		Department		<b>John Serafini, CRSP</b>
Distribution					<b>Dufferin Construction Company</b>
					<b>Page 1 of 3</b>

### 1.0 Purpose:

To provide a uniform company wide policy and procedure for safe work in the vicinity of overhead power wires and ground neutral wires.

### 2.0 Relevant Legislation:

The intent of this policy and procedure is to assist staff in meeting the requirements of Sections 104, 105, 106, 183, 187 and 188 of the Regulations for Construction Projects 627/05 amending O. Reg. 213/91

### 3.0 Scope:

This policy and procedure will apply if a dump truck, crane, hoisting device, backhoe, power shovel or other vehicle or equipment is operated near an energized overhead electrical conductor and if it is possible for a part of the equipment or its load to encroach upon the minimum distance permitted under section 188 of the Construction Regulations, or when the hoisting device is positioned closer than the length of the boom to an energized overhead electrical conductor.

### 4.0 Procedure:

1. A signal person shall be appointed on all projects. This signal person must perform only the task of signaling when in proximity to overhead powerlines. There will be no exceptions.
2. All sites shall be assessed to determine to the associated risk and location of overhead wires that may pose a threat to normal day to day construction activities. This assessment shall occur with the site supervisor and appointed signal person.
3. Prior to beginning any work, Supervisors or designate, at the project, yard or plant must determine the nominal phase-to-phase voltage rating of all overhead wires that may pose a threat to the work activity to determine the safe proximity distance specified in Regulation 188.
4. Legible, double sided signs, distributed by the Oakville Shop, shall be posted conspicuously on the construction site, yard or plant location, warning of the danger due to overhead wires.

5. These signs must be attached to hydro poles or be free standing directly under the overhead power line.
6. Signs in the form of Oakville Shop approved stickers or those that are attached by equipment manufacturers shall be posted at the operator's station, warning all operators of potential overhead electrical hazards.
7. Signal persons shall be in place at all times when working in the proximity of overhead wires warning the operator each time any part of the equipment or its load may approach the minimum distance.
8. The signal person employed shall be;
  - Trained, knowledgeable of the hazards and experienced to perform the work;
  - In full view of the operator at all times in accordance with 106 (2) and 188 (8) of the Regulations for Construction Projects.
  - Perform one task and one task only.

**106 (2) "A signaler, shall be in full view of the operator of the vehicle, machine or equipment, crane or similar hoisting device, shovel, backhoe or similar excavating machine".**

**188 (8) "A competent worker, designated as a signaler, shall be stationed so that he or she is in full view of the operator and has a clear view of the electrical conductor and of the vehicle or equipment, and shall warn the operator each time any part of the vehicle or equipment or its load may approach the minimum distance".**

- Communicate with all operators and advise that they are the designated signal person.
- Give clear and concise instructions and signals when approaching overhead wires.
- Ensure that the minimum distance to overhead wires is maintained at all times in accordance with Regulation 188 (2) which states;

**"No object shall be brought closer to an energized over-head electrical conductor with a nominal phase to phase voltage rating set out in Column 1 of the Table to this subsection than the distance specified to it in Column 2:"**

COLUMN 1 Nominal Phase to Phase Voltage Rating	COLUMN 2 Minimum Distance
<b>750 to 150,000 volts</b>	<b>3 metres</b>
<b>More than 150,000 to 250,000 volts</b>	<b>4.5 metres</b>
<b>More than 250,000 volts and over</b>	<b>6 metres</b>

9. If at any time the signal person is unsure of the requirements when working in proximity to overhead wires, all activities must immediately stop.

## **5.0 Responsibility**

1. Project Superintendents and site supervisors must appoint a designated signal person who performs one task and one task only when in proximity to the minimum distance of overhead powerlines as stated in the table above. This signal person is solely responsible for the safe maneuvering and movement of equipment around or under overhead powerlines.
2. Project Superintendents and site supervisors are responsible for assessing all projects, yards and plant locations for overhead power lines and the implementation of this policy and safe work procedure. Project superintendents and site supervisors must ensure the strict adherence to this policy.
3. Project Superintendents must ensure signal persons are competent and personnel have received adequate hazard awareness training relating to overhead power lines in strict compliance with Regulation 188 (6).

## **6.0 Health & Safety Department Personnel shall:**

1. Ensure this policy and procedure is implemented at all construction projects and distributed to all employers working for the Company. Audits of the safe work procedure will be completed during regular site visits and informal / formal assessments.
2. Provide necessary formal training programs to all personnel working in proximity to overhead electrical hazards
3. Ensure relevant regular tailgate training meetings are held highlighting the requirements of the Construction Regulations relating to energized overhead electrical conductors.



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## OVERHEAD POWERLINES - POLICY & PROCEDURES Conformation of Compliance

Name of Employer or Independent Operator: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Province: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Telephone No: \_\_\_\_\_ Fax No: \_\_\_\_\_

I acknowledge that I have received a copy of the Company's OVERHEAD POWERLINES - POLICY & PROCEDURES and have discussed this policy and procedure with all staff.

\_\_\_\_\_

Date

\_\_\_\_\_

Authorizing Name (printed)

\_\_\_\_\_

Signature

### Note:

Please forward all Subcontract Documentation to the attention of the Contracts and Credit Department or email: [dcccontracts.credit-ca@ca.crh.com](mailto:dcccontracts.credit-ca@ca.crh.com). Failure to do so may cause your payment to be withheld.

All Vendor Documentation must be addressed to the person requesting the information. Failure to do so may cause your payment to be withheld.

