

SAFETY LINE

2011

Carnival Inspection Requirements

Spring is just around the corner and that signals the start of the Carnival season in Ontario. The Electrical Safety Authority (ESA) is looking forward to another season of working with Carnival Operators for the purpose of ensuring all carnivals operating in this province are inspected in accordance with the Ontario Electrical Safety Code. This document contains important information that all carnival owners and operators should be aware of.

Ontario Electrical Safety Code (OESC)

The most frequent defect issued to Carnival locations is;
2-300 General requirements for maintenance and operation

- (1) All operating *electrical equipment* shall be kept in safe and proper working condition.
- (4) Defective equipment shall either be put in good order or permanently disconnected.

This can include damaged or deteriorated lighting, wiring, switches, conduit, connectors, support brackets, shields and guards. ESA's electrical Inspectors are required to ensure all rides, booths and equipment meet the OESC code requirements. Further to this, all equipment must bear the approval mark of an organization accredited by the Standards Council of Canada as per code rule 2-022

2-022 Sale or other disposal and use

- (1) *No person shall use, advertise, display, sell, offer for sale or for other disposal any electrical equipment unless it has been approved in accordance with Ontario Regulation 438/07.*

These markings must be clearly visible and legible. If not, ESA will issue the above defect to have the equipment re-approved. If you see the label is faded contact your Field Evaluation agency to request a new label. Recognized approval markings are available on our website www.esasafe.com by selecting Consumer Electrical Product Safety.

Defect Correction

Last season ESA provided Carnival Operators with a report after every inspection identifying electrical defects found. Under code rule 2-018, all defects must be corrected as soon as possible and ESA must be notified that the corrections have been completed.

2-018 Defects

- (1) *Every contractor who has performed work on an electrical installation and has been notified by the inspection department that the installation does not conform to this Code shall remedy all defects in work and replace all electrical equipment that is not approved within such time and in such manner as the notice from the inspection department directs.*

Electrical defects found on carnival equipment impacts public safety and must be remedied immediately. If the ride or equipment is setup or used again without the defects being corrected, ESA will be forced to tag and lock-out the ride or equipment from further use. Any electrical defect that remains on our records uncorrected *within such time and in such manner as the notice from the inspection department directs* will automatically be subject to an administrative charge and/or re-inspection fees. The Inspector will carry the list of outstanding defects to each inspection to review the repair status with the Carnival Operator.

Applications and Contract Information

Applications for the 2011 Carnival season will be emailed in early March to all operators that were on the program in 2010. Please complete your route list and confirm or update your contact information before submitting the completed application to ESA. There is a slight change to the application form for 2011 as we now require both the requested inspection date as well as the event start date. Please note that weekend, holiday and after hours inspections are subject to additional fees.

2011

Carnival Inspection Requirements

Notify ESA of Scheduling Changes

After submitting the completed Carnival application, ESA will provide each Operator with their confirmed inspection dates along with notification numbers and the assigned Inspector for each site. Once your inspection date and time has been confirmed, it is your responsibility to notify the Inspector prior to his arrival if there are any changes such as a change in time, date or location, or if another Operator's equipment will be substituted. You may also contact Jodi Spittal at ESA at 905-712-5376 to advise of any scheduling changes.

Look Up! Look Out!

Setting up rides under primary lines is not recommended.

An important reminder that under the Ontario Occupational Health & Safety Act, Ont. Reg. 851 S.60(1) except as prescribed by section 42.2, where a vehicle, crane or similar equipment is operated near a live power line carrying electricity at more than 750 volts, every part of the equipment shall be kept at least the minimum distance from the live power line set out in Column 2 of the Table for the particular voltage set out opposite thereto in Column 1 of the Table:

Minimum distance from live power lines for electricity

Voltage of live power line	Minimum Distance
750 to 150,000 volts	3 metres
> 150,000 to 250,000	4.5 metres
> 250,000 volts	6 metres

Rule 75-312 Clearances of conductors from buildings

(3) No building, mobile home **or structure** shall be placed or constructed within at least 3m at maximum conductor swing measured horizontally from the nearest conductor of an overhead primary line.

(4) Where the conductor swing is not known, a distance of 1.8m shall be used. Total of 4.8m horizontal clearance.

Be aware of the overhead lines at your location and ensure your equipment is at least the minimum distance away.

ESA Contacts

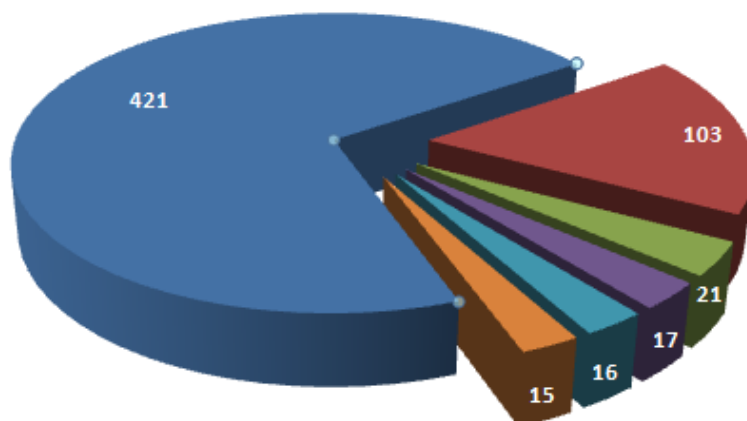
If you are interested in learning more about the Carnival Inspection Program, please email your request to carnival.traveling@electricalsafety.on.ca.

For questions regarding code requirements or defects, contact Kevin Richards, Senior Electrical Inspector at kevin.richards@electricalsafety.on.ca or 705-623-4243.

For application inquiries, inspection requests or any administrative questions regarding the Carnival program, contact Jodi Spittal at jodi.spittal@electricalsafety.on.ca or 905-712-5376.

Other information including Recognized Certification Marks can be found our website at www.esasafe.com

2010 Defect Occurrence by Code Section



Electrical Safety Code Sections	Quantity
02 - Maintain Electrical Equipment	421
12 - Wiring Methods	103
10 - Grounding and Bonding	21
14 - Protection and Control	17
04 - Conductors	16
All Others	15

By working together, the Electrical Safety Authority and Carnival Operators can ensure a safe environment for both employees and the general public.