



pennsylvania
DEPARTMENT OF AGRICULTURE
AMUSEMENT RIDE SAFETY DIVISION

TO: Owners and Inspectors of Amusement Rides and Attractions
FROM: Joseph G. Filoromo, supervisor
SUBJECT: Electrical Safety Alert
DATE: May 19, 2017

Occasionally, electrical hazards are not recognized as they should be during the inspection of Amusements. It is important to understand that you do not need to know much about electricity to identify an electrical hazard before an accident occurs. Please see the recommendations below:

- **Never** run electrical wires against ride fences. It has become common for the smallest flaw in the insulation to energize the ride fence. Look closely:



This fence was found against these wires.

- **Never** run electrical wires in gutters where water will flow when it rains.



Yes, Really.

- **Never** leave an electrical circuit unprotected. Every wire should lead back to an individual fuse or circuit breaker.
- **Never** introduce unfamiliar equipment to your electrical system without being sure that it is wired properly.

- **Always** test all equipment with a voltage detector (Pictured below). This device costs less than 20.00 at home depot and can be used by anyone. A qualified person should make the necessary repairs. Just touch it to fence, ride, concessions etc. and it will light up and buzz if there is an electrical hazard. See below



Again, **anyone** can use one of these.

- **Always** use an electrical tester to detect wiring problems. The testers simply plug in to a receptacle and identify grounding, polarity and other wiring problems.



Electrical Tester.

Please continue to be vigilant. Remember that anyone can frequently walk through and check for “Hot” equipment in addition to your existing inspections.

Please feel free to contact me with any questions.

THANK YOU
