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**DEPARTMENT OF PUBLIC SAFETY
DIVISION OF FIRE SAFETY**

MEMORANDUM 003

Date: May 5, 2022
To: Amusement Ride Owners/Operators/Inspectors
From Gus Guadamuz

Please be advised that if the following requirements, or upon discovery of any other hazardous condition is found during a spot inspection the ride or rides will not be allowed to operate until corrected per 11 CSR 40-6.031(7) Amusement Ride Inspection.

1. Clearance to portable Structures NFPA 70 Article 525
 - a. Portable structures shall maintain not less than (15 ft.) in any direction from overhead conductors supplying at 660 volts or less.
2. 11 CSR 40-2.02 Air compressor package or stand-alone air storage tanks that exceed 75 gallons or 200 psi operating pressure require a current operating certificate from the State of Missouri Boiler & Pressure Safety Unit.
3. Ride Emergency Stop Function ASTM F 2291-20
 - a. 11.3.9.2 (1) each manual control **that invokes this function** shall be labeled "Emergency Stop" Each control so labeled shall involve a ride emergency stop function.
 - b. (2) Use of the symbol described in ISO section 4.4.6 is optional
 - c. (3) The function shall implement a stop 0 or stop category 1, unless the ride analysis supports a different strategy.
 - d. 11.3.9.3 The resetting or revoking of the ride emergency by operators shall require deliberate operator action
 - e. 11.3.9.4 Devices that are intended to be directly controlled by operators shall have a mechanism for invoking the ride emergency stop function within easy reach of at least one operator while the device is running.
 - f. 11.3.9.5 Amusement rides or devices that are not staffed during normal operation shall provide a mechanism for invoking the ride emergency stop at a location accessible to persons in the immediate vicinity of the ride or device.
4. NFPA 70 Section 525.21 Disconnecting Means. A means to disconnect each portable structure from all undergrounded conductors shall be provided. The disconnecting means shall be located within sight of and within 1.8m (6) ft. of the operator's station. The disconnecting means shall be readily accessible to the operator, including when the ride is in operation. Where accessible to unqualified persons, the disconnecting means shall be lockable. A shunt trip device that opens the fused disconnect or circuit breaker when a switch located in the ride operators console is closed shall be a permissible method of opening the circuit.
5. Document Retention Program Requirements ASTM 770 (10)
 - a. 10.2 Retention Schedules – The owner/operator of an amusement ride or device shall implement record retention schedules that meet the needs of the owner/operators operations, maintenance inspection, and training programs and applicable legal requirements.
 - b. *Operator Training for each operator is to be documented and viewable upon request.*

Gus Guadamuz

Deputy Chief Elevator/Amusement Ride Inspector