



Clark County Building and Fire Prevention Field Inspection Division FIELD INSPECTION GUIDELINE

Division:	Inspections	Policy & Procedure:	FIG-P-007
Subject:	Sumps, Ejectors, and Receiving Tanks	Effective Date:	03/30/2009
Code:	2018 Uniform Plumbing Code, Section 710.8-10	Revised Date:	10/01/2020
Proposed:	Matthew Brewer	Approved:	Sam Palmer

Interpretation:

Sumps and receiving tanks shall be automatically discharged, and where for “public use” occupancy, shall be provided with dual pumps arranged to function alternately in normal use and independently, in case of overload or mechanical failure. The pumps shall have an audio and visual alarm, readily accessible, that signals pump failure or an overload condition.

Field Application:

The audio and visual alarm activation shall be verified by the inspection staff. All testing and activation procedures shall be performed by the contractor, installer, or manufacturer of the equipment. This procedure can be done by:

- The contractor shall have the tank filled with water to a level in which the pumps and floats are ready for inspection. Both manual switches shall be set to AUTO RUN when the inspector arrives at the vessel.
- As the pump starts up, shut down the pump by turning the pump manual switch to the off position, signaling failure.
- NOTE: At this point, the audio and visual alarms should activate and the reserve or second pump should start up. Turn both manual switches to the off position and continue to fill with water; the overflow audio and visual alarm should activate.
- This same procedure can be performed without the use of water by lifting the proper floats. The first float is an off/on float.
- To set controls to the ready position, lift the second float and rotate until the pump starts. Holding the float in the run position, turn manual switch to off; both audio and visual alarms should activate. Lift float number 4 and rotate to simulate overload condition; both audio and visual alarms should activate.
- In lieu of a visual test of the alarm system, this department will accept a letter from the manufacturer, on their letterhead, of verification that the alarms did activate properly, as witnessed at the initial start-up of the equipment.

Special alert and warning: NO inspection team member shall ever enter a confined space to perform or verify a testing procedure. See your copy of the Divisional Safety Plan for guidance.