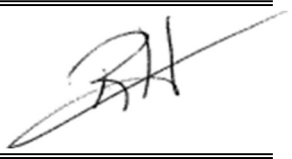
Ames Fire Department
Standard Operating Guidelines

Book:	3 – Emergency Operations
Section:	II – Fire Company Operations
Chapter:	5 – **Aerial Pinnable Waterway**
Date Approved:	7/29/24 Revision No.: 1 Approved by:



PURPOSE:
The purpose of this policy is to ensure that all Ames Fire Department personnel understand the method and importance of correctly setting up an aerial ladder's multi-position water monitor before pressurizing the waterway.

POLICY:
There have been several recorded occurrences of catastrophic failure to pinnable waterways, which have resulted in death and/or costly physical damage to equipment.

To reduce the likelihood of this occurring within our community, all Ames Fire Department personnel shall be properly trained and proficient (in accordance with applicable operating policies and procedures and per NFPA 1002) in setting up and changing the aerial ladder's waterway position (see Photo 1), prior to being assigned operator responsibilities for these apparatus.

Pinnable waterway positions shall be manually verified during ladder daily checks/inspections by assigned driver/operators, even in the event of temporary driving assignments. This includes a hands-on inspection, moving the anchoring pin (if necessary), and verifying the proper set-up of the movable waterway.

PROCEDURE:
Securing the Anchoring Pin
Securing the waterway is a multi-step process that requires numerous movements, requiring specific and deliberate actions to ensure it is done correctly.

- The pinnable waterway shall be stored in the "rescue" position on the second fly section of the ladder for quick deployment. Only move the waterway position once the decision is made to apply water via the master stream nozzle.
- Properly moving and securing the waterway requires moving the handle to first unlock the pin device by releasing tension via the cam (see photo 3.)
- Physically move the pin device to the position desired, either the rear or forward position (see photo 2.)
- Move the handle to lock it in place by creating tension via the cam (see photo 3.)
- Always physically and visually re-verify that the locking mechanism (anchoring pin(s), lever, clamps, etc.) are properly installed and functioning as designed and that the aerial is set up for master stream operation before the waterway is ever pressurized.

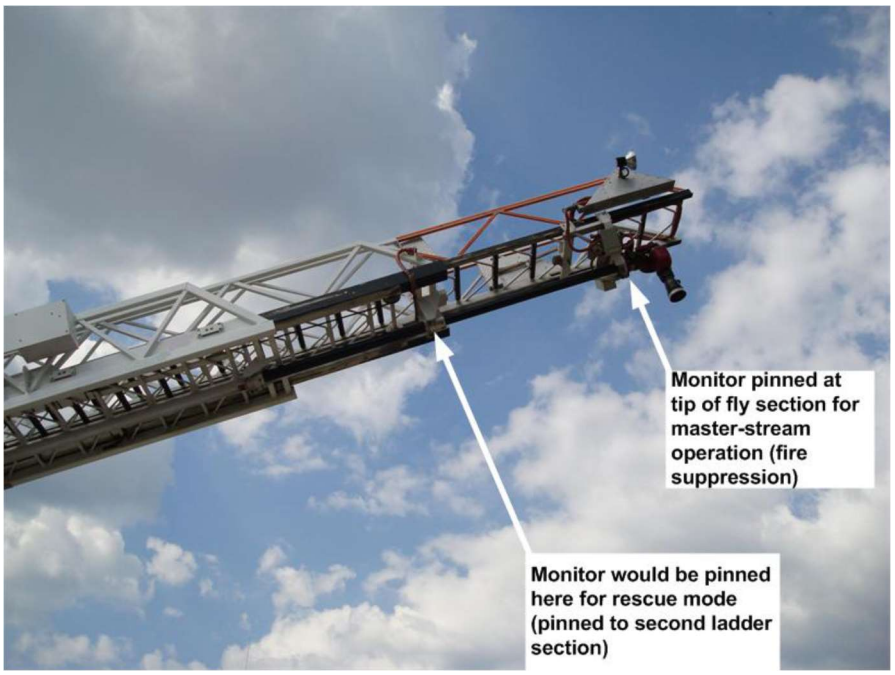


Photo 1

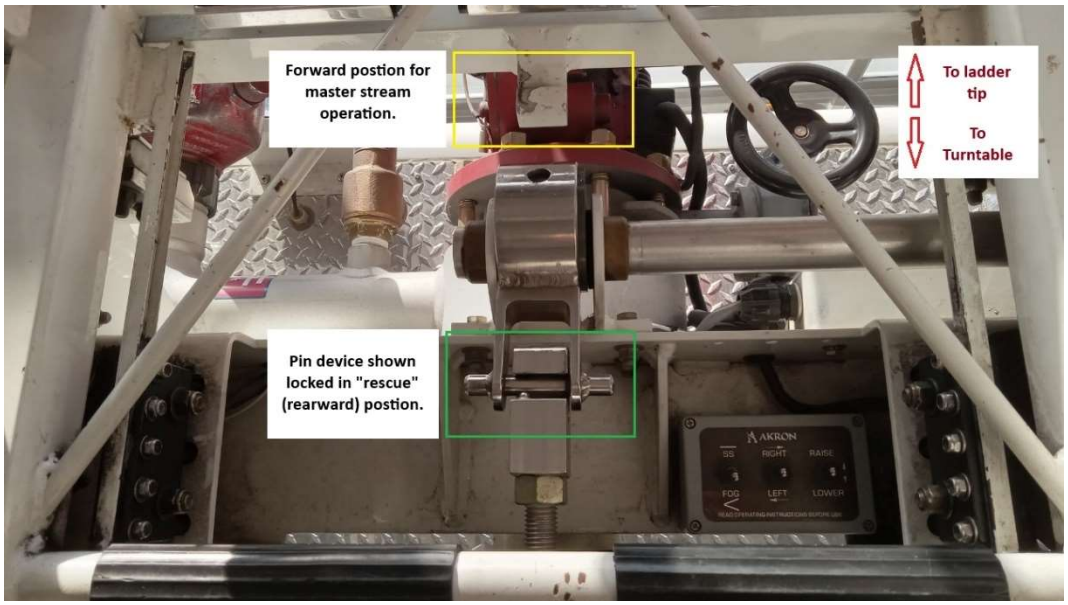


Photo 2

Photo 3

REFERENCES

National Institute of Safety and Health (February 6, 2009), Fatality Assessment and Control Evaluation Investigation Report # F2008-12.