



# H S E

HEALTH SAFETY ENVIRONMENTAL



Alert #: SA 01-24

Date: January 3<sup>rd</sup>, 2024

## *High-Pressure Hose Malfunction*

Recently, there has been an incident regarding possible improper maintenance of a high-pressure hose which led to an incident occurring. More specifically, a worker was taking a break from doing UHP blasting to get some water. During his break, however, the UHP hose which had connected to the gauge from the UHP tumble box broke. Due to the built-up pressure and stored energy from the hose, the hose whipped and resulted in a laceration on the worker's calf.

While this incident occurred unexpectedly, there are certainly a few predictable and preventable root causes to this incident which can be noted in order to prevent similar incidents from occurring in the future. Some of the most notable root causes stem mainly from the possible stress and fatigue in which the equipment had. The conditions in which the equipment was in (i.e., high stress and fatigue) were most likely caused by both side-loading and over-torquing respectively. Being more vigilant about these things and making sure to take proper procedures in these manners can help make sure the equipment functions as it is supposed to.

While checking for proper loading and torquing can be a few good ways to prevent incidents such as this from occurring in the future, there are more actions one can take in order to prevent future similar occurrences:

- Replace any and all fatigued tumbler box fittings.
- Secure all hoses with straps to prevent any loads on fittings.
- Check for leaks daily on all fittings and hoses.
- Make sure that all Correct Allstream Daily Checklists are being thoroughly completed.
- Inspect all PPE and remove any poor conditioned PPE.
- Do not use hemp rope to suspend tumbler boxes any longer.



***Report all incidents immediately to the GIS Hotline 1-855-543-5163.***

**SAFETY ALERT**