
PURPOSE:

Grout hoses are essential for many of our pile installation projects and must be properly maintained according to manufacturer specifications to protect personnel and ensure optimal performance.

PROCESS:

- Inspect hoses daily. Any frayed or worn hoses should be taken out of service because of the increased danger of kinking or bursting. A kink in the hose poses a danger, as it can rapidly cause the pump to reach its maximum pressure, leading to potential equipment failure or injury.
- To prevent death or serious injury, **NEVER**—under any circumstances—open a coupling while the line is pressurized without first conducting and documenting a thorough hazard assessment, including protective measures. Always consult the manufacturer’s operation manual for the correct procedure to safely release pressure from the pipeline or hose. Extreme caution is required during this process!
- Do not re-hook the system until plug is removed.
- Keep all personnel a reasonable and prudent distance from the end hose when the pump is being restarted.
- **NEVER** handle concrete with your bare hands because it contains lime and can burn your skin.
- Never use a hose with obvious damage such as flat spots, permanent kinks, fray or bulging at or near connectors
- Always use whip checks at every hose connection.
- Suspended hose must be hung in a cradle sufficiently large enough to prevent kinking.
- Keep worker clear of in-service hose because they can whip violently at any time without warning.
- **DO NOT** run over hoses. They should be protected by a ramp or buried to protect crushing
- Use two points of contact when dragging hoses if necessary to prevent kinking. **DO NOT** use the blade or teeth of bucket to lift or move hoses.




PAYOFF:

By following this best practice, personnel can significantly reduce the risk of accidents, injuries, or equipment failures related to improper grout hose handling. Ensuring proper maintenance and safe usage of grout hoses protects personnel from serious injuries caused by kinks, bursts, or hazardous pressure situations. It also minimizes downtime and prevents damage to equipment.

Crew Review:

Superintendent: Instruct the crew to use their phones to scan one of the QR codes below, which will direct them to a short review session. After personnel enter their information and submit it, training records will be generated and automatically saved for future reference. Utilize this time for open engagement with the crew. Each review will have different questions, which can be answered either as a team or individually.



Approvals		
<u>Title</u>	<u>Signature</u>	<u>Date</u>
BU 15 Vice President		9-4-24
BU 15 Senior Construction Manager		9-4-24
BU15 Manager of Safety		9-4-24

Revision History				
<u>Rev #</u>	<u>Date</u>	<u>Reason for Changes</u>	<u>Originator</u>	<u>Effective Date</u>
1	06-26-2024	Update to new format/ add QR training codes	Lance Bradley	9-4-24

Note: BP Requirement

Work must be performed in accordance with the information in this BP. If it is determined that work cannot be done as required in the document or that it presents additional risk, you must obtain authorization for variance from the Business Unit Sr. Construction Manager and Business Unit Manager of Safety.