

Temporary Odorization



- **Odorant tank rental and installation**
- **Secondary containment**
- **Odorizer rental**
- **Odorant delivery**
- **Odorant filtration and transfer**
- **Backed by full General Liability and Environmental Liability insurance**

MRR will work with you on a case-by-case basis to determine the best configuration for your temporary odorization needs.

Our rental odorant tanks come in sizes of 20 to 1500 gallons. Tanks can be filled using DOT-approved cylinders or our 2400-gal bobtail truck equipped with a closed-loop vapor recovery unit.

After project completion, residual odorant from your temporary installation can be filtered and transferred to your new permanent installation.

Visit us on the web:
www.mrrus.com



Midland Resource Recovery Inc.

P.O. Box 403, Philippi, WV 26416, USA

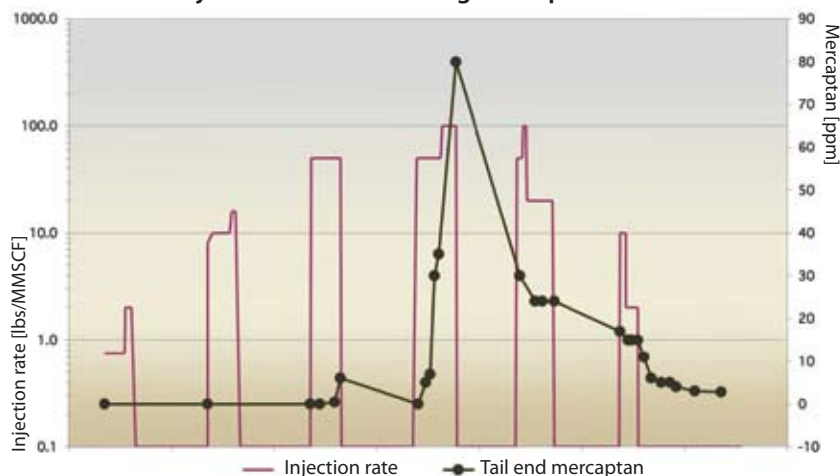
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Pickling or Pre-odorization of Gas Pipelines

Odorant Injection Rate & Resulting Mercaptan Concentrations



Safety First!

Newly installed steel gas pipelines should be pickled prior to being put in service in order to prevent odor-fade and deliver odorized gas to end-users.

Odor fade is caused by odorants reacting with rust and mill scale inside new steel pipes, thereby producing less odorous products.

Committed to Safety

- Design of pickling strategy
- Installation of temporary odorization skid
- Optional enclosure in marine container
- Line flaring
- Odorant injection
 - Slugging
 - Continuous controlled injection of odorant using a temporary odorizer
- Process monitoring
- Data collection
- Odorant dosage adjustment
- Odorant concentration measurement (Dräger, GC, Odorator)

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