

Pulp & Paper Mill Solutions

i-LINE

CURED-IN-PLACE-PIPE

I Line cured in place internal pipe linings offer an economical solution to pipeline integrity issues. Bends and offsets can be accommodated with the liners inherent flexibility, curing to a hard, tight fitting pipe within a pipe.

SPRAY APPLIED LINER

Fast setting polyurea linings are robotically applied through centrifugally dispersed impingement. Formulations include chemical resistant, abrasion resistant and fully structural liners as well as combinations of these attributes.

GEOTECHNICAL LEAK SEALING

A geotechnical method of soil stabilization for sealing cracks and joints by injecting the soil, through the pipeline, and filling adjacent voids in the bedding zone of the pipe. Effectively seals entire system from infiltration and exfiltration.



- Pipe remediation systems for every aspect of the mill, from digesters through washers, storage, decker, forming and waste water treatment.
- Liners installed to reduce deposits in approach piping, reduce scaling in green liquor lines.
- Abrasion resistant liners for chip and pulp conveyance lines. Reduce friction, reduce power consumption.
- Chemical resistant liners for white water processing lines, effluent discharge, mixing and digester tanks. Structural linings available to restore line integrity.

In virtually every industry today, manufacturers are looking for more cost-effective operations. In the pulp and paper industry, this includes maintaining piping systems as well as employing methods to reduce costs while still meeting requirements. The key objective is to find new or improved materials and processes for rehabilitation which reduce overall costs and maintenance, while providing long-term service.

EMS is a private, Houston based industrial service provider with over 20 years experience. With 30 operational centers located throughout North America, we are well positioned to provide the services you need. EMS provides unique value to our customers by offering an integrated service model, eliminating the need for multiple contractors, providing one insurance coverage and one point of contact and maintaining an outstanding safety record.

I Line integrity restoration systems combine composite materials impregnated with high performance polymers that act as a "stent" or protective liner in pipelines and conduits. Additionally, EMS offers a spray applied lining system, a geotechnical leak sealing technology and a carbon fiber composite, external pipe wrap. All of these products and systems offer insitu remediation, minimizing impact on facility operations and allowing a rapid return to service. EMS provides an unparalleled 350 services as defined in some of the following major Service Lines:

- Pipeline Integrity Management Services
- Pipeline Management Services
- Production and Pipeline Projects
- Power and Mechanical Services
- Environmental and Leak Detection Services
- Water & Wastewater Treatment

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