

MATERIALS DIVISION

MEMORANDUM

GENERAL SUBJECT: Approved List Number 38, Pipe Rehabilitation System		NUMBER: MD 298-07
SPECIFIC SUBJECT: Applications for Styrene-Based Liners		DATE: September 20, 2007
DIRECTED TO: District Construction Engineers District Maintenance Engineers	SIGNATURE: Christopher L. Winstead, PE <i>Signature on original copy of memorandum</i>	

The Department is reviewing the use of styrene-based cured in place pipe (CIPP) liners for pipe rehabilitation and has determined that sanitary sewer applications will be allowed under the following conditions.

- Effluent from the curing process will only be allowed to discharge directly to the sanitary sewer or pumped to above-ground containers for subsequent direct discharge to the sanitary sewer; no effluent shall be released exterior to the rehabilitated pipe or containers.
- The Contractor shall assure that the discharge of process water/condensate from the installation of any cured in place liner products to a Publicly Owned Treatment Works (POTW) conforms with the Industrial Pretreatment Program requirements of that POTW. In the absence of an Industrial Pretreatment Program, the Contractor shall notify, and obtain approval from, the POTW prior to any discharges and comply with all the requirements of the POTW receiving the discharge. If the POTW does not allow the discharge or the Contractor cannot meet the pre-treatment requirements, the Contractor shall collect and dispose of the material at a private industrial wastewater treatment facility. Irrespective of disposal method, the Contractor shall provide documentation of the POTW discharge approval or waste disposal documentation to the VDOT Area Construction Engineer.
- The Contractor is responsible for reporting and taking the appropriate corrective actions for any accidental releases of CIPP waste or CIPP effluent into the environment.

The following styrene based liners are allowed for sanitary sewer applications provided the above conditions have been met:

1. CIPP, COR72-AT-470, by TriState Utilities
2. Insituform, by Insituform East, Inc.
3. Premier-Pipe USA, by Am-Liner East, Inc.
4. National Liner, by American Water Services Underground Infrastructure, Inc.

List number 38 located at <http://www.virginiadot.org/business/resources/bu-mat-ALwlab.pdf> is updated to reflect this change.

Questions relating to this may be directed to Mr. Stan Hite, P.E. Assistant State Materials Engineer at (804) 328-3105.

cy: Commissioner	Precast Concrete Association of Virginia
Chief Engineer	Virginia Asphalt Association
Division Administrators	Virginia Dept. of Minority Business Enterprise
Resident Administrators	Virginia Ready-Mixed Concrete Association
District Materials Engineers	Federal Highway Administration
American Concrete Paving Association	Virginia Transportation Construction Alliance
NE Chapter, Southern Region	Mark Harris – American Water Services Underground
Mike Hall (Administrative Services)	Christine Carroll – Insituform Tech.
Old Dominion Highway Contractors Association	Mel Willett – Am-Liner East, Inc.
	Andy McSweeney – TriState Utilities