



encapsulAC



EPA

Established and enforces laws to limit asbestos exposure.



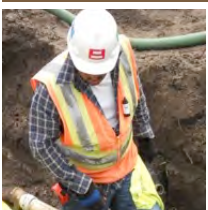
OSHA

Details permissible exposure limits for asbestos fibers.



Asbestos fibers and EncapsulAC

How does it work?



Water Research Foundation

Scientific data - asbestos cement pipe bursting.

Learn about asbestos cement pipe bursting

EncapsulAC is a trusted proprietary process and product that will aid in rehabilitation of existing asbestos cement pipe lines

EncapsulAC meets and exceeds all environmental regulatory requirements for rehabilitation of asbestos cement pipe via pipe bursting. **EncapsulAC** product representatives will help you understand the established regulatory controls over handling asbestos cement pipe and establishing the limits of exposure of asbestos fibers. The **EncapsulAC** process will mitigate any potential asbestos fiber release from future excavations of the remaining pipe fragments.

Asbestos is one of the most hazardous industrial building components.

Utilization of asbestos in manufactured products has changed substantially during the 20th century due to overwhelming scientific evidence outlining health impacts of asbestos. Asbestos is hazardous to humans when it is inhaled.

Products manufactured with asbestos vary from fibrous insulation to fire blankets to asbestos cement pipe.

EncapsulAC provides a sensible solution for the rehabilitation of asbestos cement pipe.

The Occupational Safety and Health Administration -

OSHA has detailed the mechanisms available to detect the presence of asbestos fibers. Technology, such as transmission electron microscopy are available to detect asbestos fibers.

OSHA has detailed permissible asbestos exposure limits during work and non-work activities.

Established pipe handling methods have proven pipe bursting of asbestos cement pipe following

EncapsulAC does not exceed OSHA limits.



EncapsulAC Meets all existing regulations governing asbestos cement pipe handling

Pipe bursting has been an accepted method of existing pipeline rehabilitation in the United States for over 20 years.

Working with asbestos cement pipe is governed by the National Emissions Standards for Hazardous Air Pollutants (NESHAP), which is a subsection of the Clean Air Act as enforced by the **EPA** and each State.

The Safe Drinking Water Act governs the methods for rehabilitation of your existing pipeline. **AWWA** published the standard "*Pipe Bursting of Potable Water Mains*" which outlines the use of pipe bursting for existing pipelines.

The Clean Air Act governs the handling of asbestos cement pipe for any rehabilitation method or emergency repair.

The **EncapsulAC** process follows the procedures established by NESHAP to positively rehabilitate existing asbestos cement pipe and minimize the potential for asbestos fiber exposure during pipe handling.

Enforcement of both the Safe Drinking Water Act and Clean Air Act vary from State-to-State and

EncapsulAC product representatives will assist in navigating through the regulatory process.



EncapsulAC minimizes exposure from asbestos fibers

All existing asbestos fibers are entombed in a coagulated digable mass that prevents future release of asbestos fibers during future excavation of pipe burst asbestos cement pipe.



"There is no evidence to support that the bursting of AC pipe has any negative impacts on the environment or the workers performing the work." WRF #4465



EncapsulAC

is a proprietary product that is completely inert and environmentally safe. It's color is a clear indicator of caution to potential future excavators.



Workers installing *EncapsulAC* follow AWWA established procedures entitled "Work Practices for Asbestos Cement Pipe" during all asbestos cement pipe handling.

The *EncapsulAC* proprietary process and product are simultaneously installed during pipe bursting activities. Qualified pipe bursting contractors can be trained in the installation.

EncapsulAC hardens quickly so the production pipeline can be accessed fast to perform any additional work required for service connections.

Water Research Foundation Project

The Water Research Foundation (WRF) has worked to "communicate scientifically sound research across the globe" for over 50 years. The WRF has studied asbestos cement pipeline longevity, failure mechanisms and rehabilitation methods for many years. The WRF studied an asbestos cement pipe bursting project and sampled the air for fibrous release. The WRF determined there was no asbestos fiber release during construction.

EncapsulAC has taken those results forward and applied innovative technology to further reduce potential risk of asbestos fiber release by encapsulating the asbestos fragments as they remain in place underground.





EncapsulAC is a new technology that will occupy a prominent place in rehabilitation of existing asbestos cement pipe.



Misinterpretations of the risk of asbestos cement pipe rehabilitation are very prevalent in the pipeline rehabilitation industry.



Be certain you rely on expert opinions of the AWWA, WRF, EPA and *EncapsulAC* product representatives prior to executing any new pipeline rehabilitation project.



Please contact us for *EncapsulAC*.

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