

Companies that generate liquid wastes require a convenient, cost-effective and environmentally friendly way to dispose of these substances. Waste Management's LiquiFixSM solidification services provide companies with a safe and effective way to dispose of their liquid waste.

The LiquiFixSM solidification process involves mixing liquid waste with selected reagents and/or absorbents to create a substance hard and dry enough to be landfilled. Solidifying liquid waste in this manner allows companies to economically dispose of non-hazardous liquids in a Waste Management Subtitle "D" landfill while reducing its long-term contingent liability.

A Waste Management consultant will evaluate the liquid waste to see if it qualifies for LiquiFixSM treatment and then determine the specific reagents needed to solidify it.

The recommended treatment will be conducted in a safe and timely manner in full compliance with all local, state and federal environmental regulations. Upon request, Waste Management will provide a Certificate of Treatment after project completion.

NUMEROUS BENEFITS

Available at many Waste Management landfills nationwide, LiquiFixSM offers numerous benefits to generators of non-hazardous liquid wastes, including:

- Cost-savings over alternative treatment and disposal solutions
- Compliance with all local, state and federal environmental regulations
- Long-term indemnification

THE INDUSTRY LEADER

LiquiFixSM is just one of the many innovative programs developed by Waste Management to help manufacturers, refineries and other industrial customers deal with their liquid wastes in a safe, economical and environmentally responsible manner. Waste Management engineers, researchers and technicians continue to investigate new and even more efficient ways to manage industrial wastes in a manner that controls costs, protects the environment and minimizes liability.

TREATMENT FOR A WIDE RANGE OF LIQUID WASTES

LiquiFixSM solidification services are appropriate for a wide range of industrial, commercial and residential non-hazardous liquid wastes, including:

- Brine waste
- Car wash cleanout
- Catch basin grit
- Grease trap waste
- Ink sludges
- Non-hazardous household waste liquids
- Off-spec products
- Paint sludges
- Pigment sludges
- Pollution control sludges
- Pond cleanouts
- Process sludges
- Quench oils
- Refinery sludges
- Tank cleanouts
- Wastewater treatment sludges



LiquiFixSM solidification begins with the pumping of liquid waste into a lined basin. Reagents and/or absorbents are then added to the mixture.



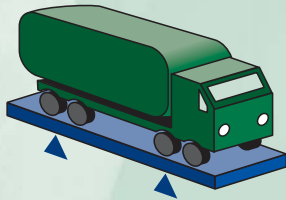
LIQUIFIXSM PROCESS

LiquiFixSM is a six-step process:

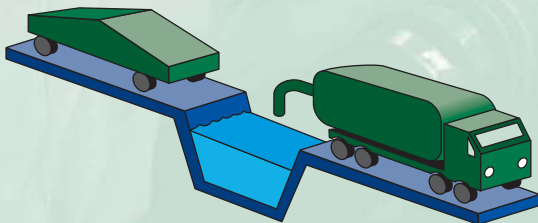
STEP 1: EVALUATION. Based on waste profile information provided by the customers or samples taken on site, Waste Management technicians test the samples at the nearest LiquiFixSM landfill and select an appropriate mixture of reagents and/or absorbents for treatment.



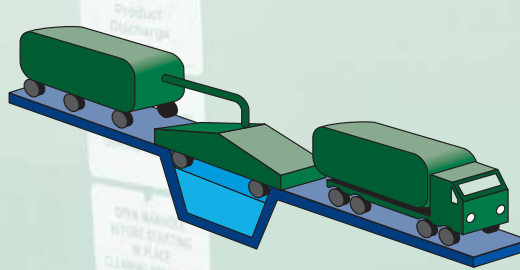
STEP 2: TRANSPORTATION. Waste Management transports the liquid waste to a designated Subtitle "D" landfill where it is weighed. Transport can be accomplished using tanker trucks, drums or roll-off containers.



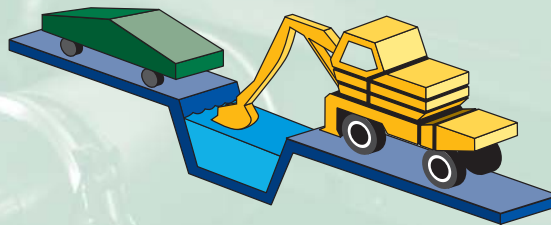
STEP 3: MONITORING. The liquid waste is poured into a specially engineered LiquiFixSM basin. This basin is monitored regularly to ensure that its surfaces remain intact and that no liquids leach into the surrounding environment.



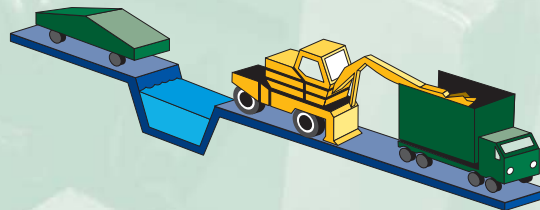
STEP 4: INTRODUCTION TO MIXTURE. Reagents and/or absorbents are introduced to the mixture. The basin may then be sealed depending on local air permit regulations or to fit the needs of the waste materials.



STEP 5: TESTS. The liquid and reagents/absorbents are mechanically mixed. Once the liquid hardens, one or more paint filter tests are performed to confirm that the substance is no longer in a liquid state.



STEP 6: LANDFILL DISPOSAL. Solidified waste is transferred from the engineered basin to a site vehicle and directed for disposal within the adjacent Subtitle "D" landfill.



For more information on LiquiFixSM Services, contact your Waste Management Landfill and Industrial Services sales representative.

*From everyday collection to environmental protection,
Think Green. Think Waste Management.*



**LANDFILL &
INDUSTRIAL
SERVICES**