

## Enfield™ Electrofusion Acid Waste System Provides the Formula for Safety at the University of New Mexico Chemistry Facility

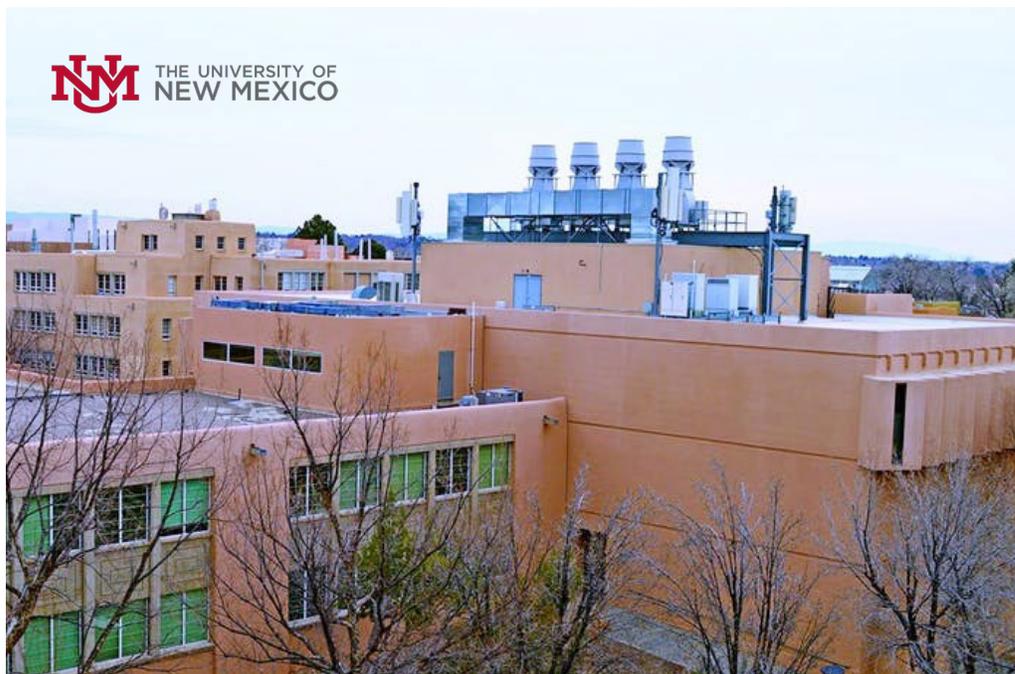


Photo Credit:  
New Mexico News Port

In 2016, a new glass drainage system was installed in the Riebsomer wing of Clark Hall, the chemistry facility of the University of New Mexico. By 2017, the pipes had begun to fail, and by 2020, it was clear that the entire system had to be replaced. A swift, secure, and effective solution was required.

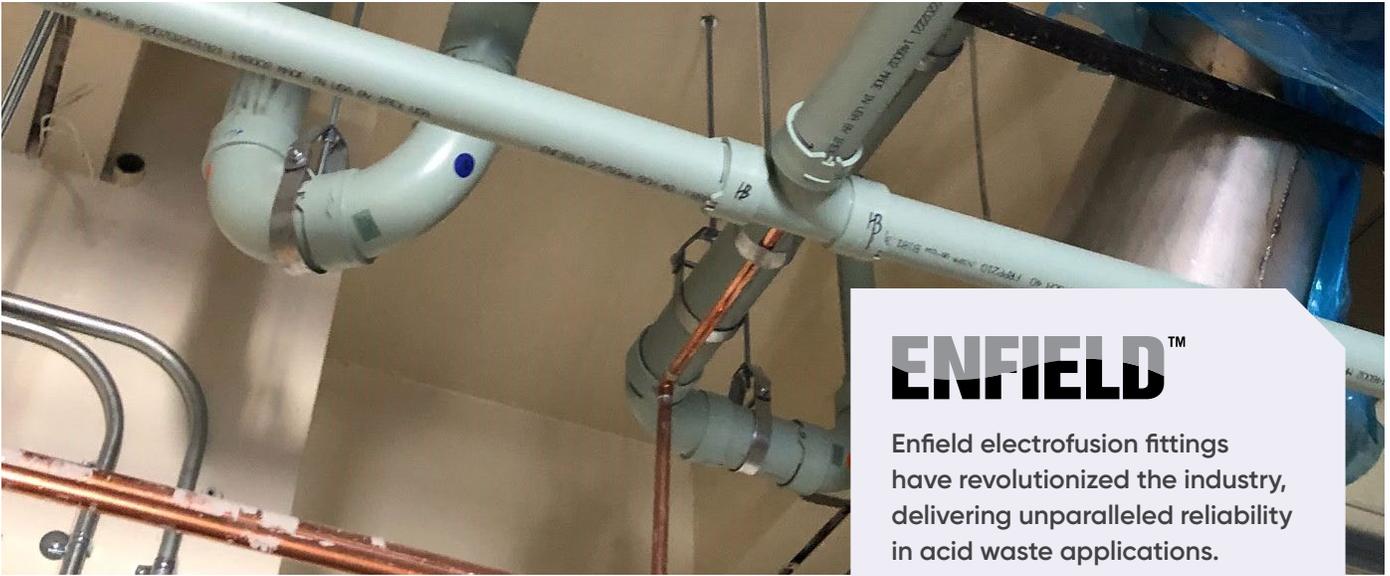
A new solution was needed and Facility Operations Manager, Bobby Ortiz turned to IPEX. Contractors, Miller Bonded Inc., installed the Enfield™ Electrofusion Acid Waste System by IPEX. Having used the IPEX Double-Containment System on another project, they were familiar with and trusted the IPEX family of products. Over 2500 feet of pipe, plus hundreds of connectors, were supplied by Doc Savage Supply based in Albuquerque. The entire replacement

“The installation was a smooth process.”

**Louis Lee**  
Piping Foreman, Miller Bonded Inc

project was done while the building remained open to ensure the continuation of ongoing research.

Working in a 3-story building where some areas are 100 years old presented challenges. Glass pipes were previously installed in the basement of the building, so IPEX supplied special adaptors to securely connect the two systems. Today, Enfield™ systems cost 50% less than glass with no breakage losses.



## ENFIELD™

Enfield electrofusion fittings have revolutionized the industry, delivering unparalleled reliability in acid waste applications.

- Several joints can be made at one time
- Microprocessor controlled enfusion unit
- Installed cost 50% less than glass

**Enfield Electrofusion Polypropylene Acid Waste Systems are capable of handling a variety of corrosive chemicals and pH levels found in various chemical waste applications.**

### Applications:

- University Laboratories
- Schools
- Hospitals
- Industrial Plants
- Pharmaceuticals facilities
- Chemical manufacturing



Louis Lee, Piping Foreman at Miller Bonded Inc., said that "The installation was a smooth process." The Enfield system ensured consistency throughout the project because connections were made using the micro processor controlled Enfusion unit.

The Enfield™ Electrofusion Acid Waste System is made from flame retardant polypropylene conforming to ASTM D4101. The fittings are NSF listed and have an integral, heavy-gauge, nickel/chrome electrical resistance wire molded in place in the fitting body. Pipes and fittings range in size from 1-1/2" to 12" diameters.

Joints are fused using the portable Enfusion Control Unit. This unit is equipped with input and output voltage sensors and ambient temperature sensors to automatically adjust fusion time plus audible alarms to indicate cycle interruptions and completion of the joining process. Fusing a number of fitting combinations and sizes is possible. To learn more about this maintenance free system and other industrial piping solutions by IPEX, [click here](#).