

Emergency Pipe Leak Repair



PROBLEM

This 48in. suction piping for the return sludge pumps at a wastewater treatment plant had sprung this large leak and several smaller leaks.

Luckily for the client, USI had [RESIMETAL 101 Metal Repair Paste](#) and [RESIMETAL 202 Ceramic Repair Fluid](#) in stock.

SUBSTRATE

Metal

PRODUCTS USED

[RESIMETAL 106 XF Metal Repair](#)
[RESIMETAL 101 Metal Repair Paste](#)
[RESIMETAL 202 Ceramic Repair Fluid](#)

SOLUTION

Once the fluid source was shut off for pressure, the pipe surface was manually cleaned to an SSPC-SP10 finish. A form was manufactured to cover the leak area, and [RESIMETAL 106 XF Metal Repair](#) was used to fix it in place.

A reinforcing strap was used for added security, and 125 mils of [RESIMETAL 101 Metal Repair Paste](#) was applied. Reinforcing mesh was embedded into the product followed by 125 mils of [RESIMETAL 101 Metal Repair Paste](#)

A 30-mil topcoat of [RESIMETAL 202 Ceramic Repair Fluid](#) was applied to protect the pipe against future impact and chemical damage.

This repair lasted 3.5 years. It never failed but the client received federal grant money to replace the pipe.