

Natural Gas Pipeline Leaks Repaired Underwater

Logan Diving & Salvage

Operators of a natural gas pipeline transmission company noticed a loss of pressure in one of their main trunk lines. Searching for the source of the pressure loss, operators identified the leak stationed in a lake underwater adjacent to an old flooded roadway in a state park.

Logan Diving & Salvage was engaged for consultation, recommendation of repair strategy and implementation of permanent underwater repairs. Mobilizing a rapid response surface supplied dive team & equipment, Logan Diving & Salvage excavated the underwater location and found the escaping natural gas was traveling along the pipeline and coming up thru the sub underwater ground line from -3" to -5'.



With 3' – 5' of overburden to remove underwater, Logan Diving & Salvage divers utilized a 6" airlift to begin the task of following the pipeline. Divers uncovered and inspected the pipeline while searching for the source of the leak.

Approximately 120' from the original source of the leak, the pipeline failure was located. Corrosion of a weld seam had produced the leak. The failed pipeline section was cleaned of all remaining coating, inspected for proper geometry, & photographed.

A 2 piece PLIDCO® high pressure pipeline repair clamp was installed, leak checked for 24 hours and re-torqued.

Service was restored to normal operating pressure without complete loss of service and no disruption to downstream clients.



Logan Diving & Salvage has repaired over 250 failed pipelines in the United States and Caribbean. Oil, Gas, Water, Sewer, Storm Drain, Effluent, Power Cable Conduits, Fiber Optic Conduit Bundles and Ocean Outfall Pipeline repairs from 4" to 72" 24 hours a day, 7 days a week & 365 days per year.