



NON-DESTRUCTIVE ABOVE GROUND INSPECTION OF THE COATING AND CATHODIC PROTECTION ON BURIED PIPELINES.

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The external corrosion of buried pipelines usually occurs due to a breakdown of the external corrosion mitigation techniques, the protective coating and the applied cathodic protection. The latest Method Statements, Specifications and Techniques are identified. Particular reference is made to NACE RP 0502-2002 External Corrosion Direct Assessment document and to the identification of ASME B21.8S High Consequence areas (HCA's). The application of combined above ground techniques such as CIPS, DCVG and EM resistivity and the analysis of correlated data is used to delineate critical locations for pipeline excavation and repair.