

## AC INTERFERENCE EVALUATION SERVICES

### THE ISSUE

Pipelines sharing, paralleling, or crossing HVAC transmission line right of ways may be subjected to electromagnetic interference. This interference can cause electric shock hazards, electrical damage to the pipeline, and accelerated external corrosion.

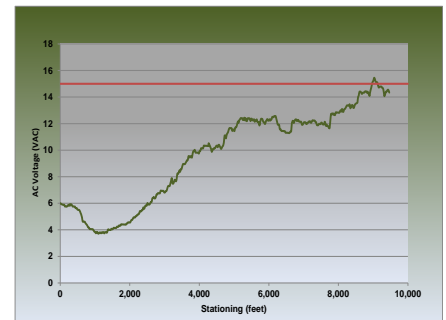


### SCREENING SERVICES

To minimize costs, initial screening of a pipeline suspected of AC interference is performed. This includes the evaluation of pipeline data, proximity and orientation to HVAC power lines, test station data measurement and data logging. This initial screening analysis provides information regarding if AC interference is present, an estimation of the extent of the interference and if further evaluation is warranted.

### DETAILED TESTING AND ANALYSES SERVICES

If warranted testing and analyses are performed to evaluate the extent of personnel and pipeline hazards, as well as the possibility of AC enhanced corrosion. Some of the testing and analyses can include, AC close interval surveys, soil resistivity surveys, computer modeling and engineering analyses. This phase of work results in a report providing the extent of AC interference and if necessary conceptual AC mitigation designs.



### MITIGATION SERVICES

At times localized or wide scale mitigation of the AC interference is necessary to protect personnel and pipeline assets. This phase includes the development of detailed designs, detailed cost estimates, installation and commissioning. During commissioning, task tests are performed to determine the effectiveness of the mitigation.

***Call us to further discuss your concerns regarding AC interference***