

**NoPig Metal-Loss Detection System  
For  
Non-Piggable Pipelines  
FINO AG  
DTRS56-02-BAA-0004  
2nd Quarterly Status Report  
February 2004**

Defect modeling tasks and data collection tasks completed in the preceding project quarter are the basis for developing the post-processing algorithms. Post-processing of NoPig inspection data is necessary because of several reasons which depend on both the system features themselves and external interferences. Filtering algorithms were developed and applied for the reduction of these interference errors. It was also indentified that the algorithms developed were not able to correctly filter interferences on specific types of pipes.

The principle objective in this research is to better understand and detect smaller pipeline anomalies. As learned, any outside interferences can influence the results. True defect measurements must be made at our facilities to use as a standard. Collection of this data must be in the most noise-free environment possible. An area at our facility was found that, not only provides this environment but also, meets the requirements for handling larger pipes than previously used.

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