



BMT Fleet Technology Limited

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Validation of Sleeve Weld Integrity and Workmanship Limit Development 3rd Quarter Status Report

Office of Pipeline Safety, U.S. Department of Transportation
Agreement No.DTRS56-03-T-0011

This report summarizes the work completed in the third quarter of the project, and has been distributed to the program sponsors.

The field work was completed the week of 27 October 2004 on the Enbridge Pipeline Inc. NPS 34 mainline in Central Saskatchewan. The sleeve installations included two 4-foot long sleeves with backing bars on the longitudinal seams and fillet welded ends. The strain gauges were positioned with the centers of the gauges located 40 to 90 mm from the edges of the weld preparations; gauges are located beneath the protection shown in the photograph below. The welds were completed using Enbridge welding procedures to represent the actual conditions resulting from normal operating practices.



The results of the field work are currently being analyzed and will be distributed as a progress report on the field trial data; the report is expected to be sent to the sponsors by 22 October 2004.

ISO 9001:2000



Certificate No. 025198

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Registered in Canada No. 10181 9902RC



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