



EVALUATION OF VISCOTAQ® PIPELINE WRAP PERFORMANCE RELATED TO CRUDE OIL EXPOSURE

Progress Summary: September 2015

Prepared for:

Scott Besmer

KLJ Engineering
4585 Coleman Street
Bismarck, ND 58503

Prepared by:

Bethany A. Kurz
Carolyn M. Nyberg

Energy & Environmental Research Center
University of North Dakota
15 North 23rd Street, Stop 9018
Grand Forks, ND 58202-9018

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PROGRESS SUMMARY: SEPTEMBER 2015

The last progress summary report included activities from July and August (Weeks 2–10) of the experiment. This report includes data from two additional sampling events that occurred in September.

Total organic carbon (TOC) results from the samples collected in September (Weeks 12 and 15) have been added to the results that were reported last month (see Table 1). As with the last report, the averages were calculated for all weeks and also for the weeks after the flushing procedure was implemented. The data show no apparent differences in TOC levels from those previously reported and follow the same trend as before (Figure 1).

Regarding the tension experiment, there has been no change since the last report. The spring scale reading remains at 30 lb after 15 weeks.

In keeping with the proposed schedule, samples will be collected and analyzed every 3 weeks until December when the pipes will have been exposed for 6 months.

Table 1. TOC Results, mg/L

	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6
Baseline	<1	<1	<1	<1	<1	<1
Week 1	7.0	7.4	7.5	7.5	9.5	9.0
Week 2	11.9	12.3	11.9	12.1	15.6	14.3
Week 3	2.9	4.3	2.3	2.7	4.7	3.1
Week 4	2.9	2.9	2.4	2.6	4.4	3.3
Week 6	4.2	4.4	3.9	4.7	5.8	4.8
Week 8	2.5	3.2	3.6	3.2	5.1	4.5
Week 10	1.9	2.8	2.1	2.5	3.4	2.9
Week 12	1.6	2.3	1.4	2.0	2.7	2.1
Week 15	2.2	2.2	1.7	2.1	2.9	2.7
Weeks 1–15 Average	4.1	4.6	4.1	4.4	6.0	5.2
Weeks 3–15 Average	2.6	3.2	2.5	2.8	4.1	3.3

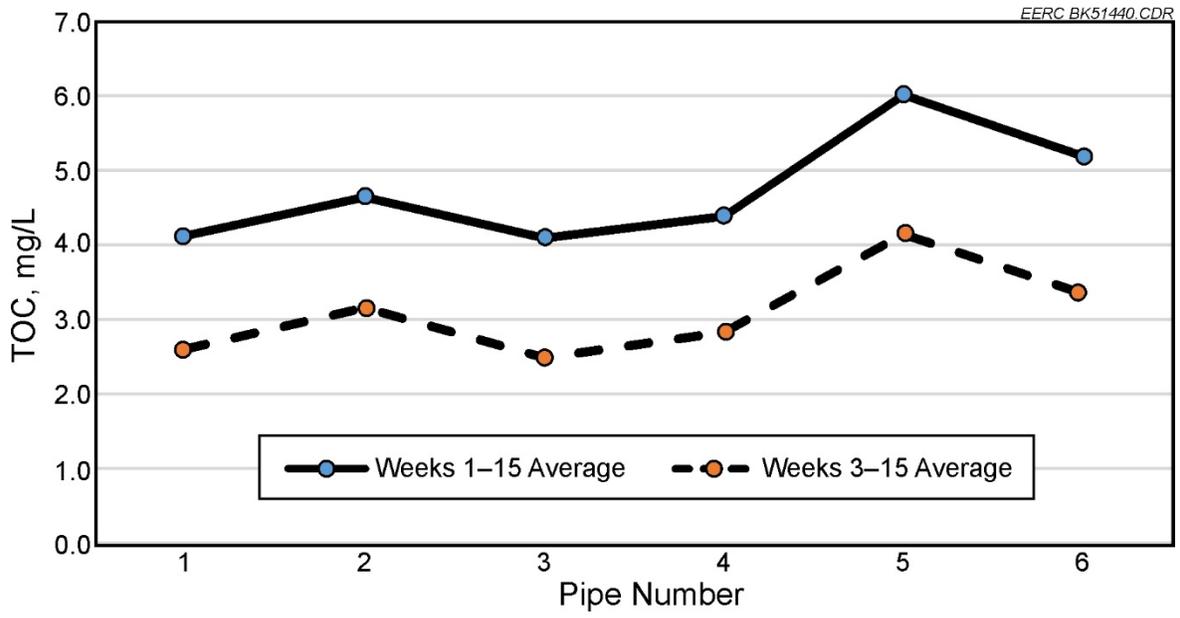


Figure 1. Comparison of weekly averages.