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CERTIFICATE OF ANALYSIS

NUMBER 018 Final 28 Day Report

COMPANY: Kent /Mike

ATTN: Kent

SAMPLE: Production Water unknown source N.D.

DATE: Oct. 1, 2012

INTRODUCTION: Kent Kirkhammer submitted two (2) samples of production waters, from same identical source. This production water is to undergo a Kill study using Anolite as Biocide. Tests will be run for Sulfate-reducing Bacteria (SRB's) as well as Acid-Producing Bacteria (APB's). Initial Study Report will be issued at completion of 7 day Results, followed up by 14, 21, & 28 day Final Results.

RESULTS:

Sulfate-reducing Bacteria (SRB) and Acid-producing Bacteria (APB) Time Kill Study- 28 Day Final Result

Water #	Anolite Concentration	Contact Time Hours	SRB's (Colonies/ml)	APB's (Colonies/ ml)
Control #1	0 PPM	N/A	10¹	0

(NO added bacteria; only produced water)

Control #2 0 PPM N/A 10^4 10^5
(Contains 2 ml added bacteria to produced water sample; does NOT contain Anolite)

#1 500 PPM 2 HOURS 10^2
0
(contains 2 ml added bacteria to produced water sample)

#2 500 PPM 24 HOURS 10^2
0
(contains 2 ml added bacteria to produced water sample)

Test Procedures:

Sulfate-reducing Bacteria and Acid-producing Bacteria Time Kill Study

100 ml of Produced Water is measured out, The desired amount of Bacteria (2%) to be tested is introduced into Produced Water. The Produced Water is then treated with desired amount of Anolite and shaken. After the desired time interval has elapsed, Modified Postgate "B" Sulfate –reducer Serial Dilution vials and Phenol Red Acid-producer Serial Dilution vials are then inoculated from the treated samples. The vials are then placed in an incubator for the desired time interval.

Respectfully submitted,

Envirocleanse LLC

Phil Bellan, MD