

INTEROFFICE MEMORANDUM

Date: 4-Dec-1989 14:33
From: Richard B. Ward
WARDRB AT A1 AT JLCL01
Dept: C&P Jackson Lab. CW(D)
Tel No: 540-2033

TO: DISTRIBUTION LIST

Subject: MR7971 FINAL REPORT (PB BIOREMEDIATION)

ALL RECIPIENTS: We would appreciate comments on the path forward on this study. Due to Bob's reassignment some time ago, we probably should not anticipate much more time from Bob.

DOUG CREGAR: Please see note for "Page 7." Do you have 8.5"x11" site maps on which locations could be marked for Bob to include?

With reference to the draft copy of the final report which you sent me in October, there have been few comments!

Please consider the following points (page numbers refer to your hard copy draft):

Page 1.

Should have a standard introduction with reference to MR7971 Parts I and II. This will add to the explanation of the "driving force" for the study

Part I Approved 10/86 (covers study of Chambers Works NJ samples)

Part II Approved 1/88 (covers study of Beaumont TX samples)

Page 1

Needs a paragraph explaining why the "unamended" control was not a STERILIZED control (no sterilization method known which might not alter the existing groundwater Pb "profile" and or mimic bioremediation).

Page 6.

Lower center of page @ "Add 50ul Cresol red Indicator" -- 0.1N NaOH solution is added?

Page 7.

Are locations 31 and 32 separate from 3D and 2D? Should we have marked site maps showing sampling locations (DOUG CREGAR)?

Figures 2, 3, 4, 6, 7, and 8

Plots would show effects better if they were stacked as

TOP
MID
BOT
INSOLUBLE (final product) over
SOLUBLE (intermediate product) over
TEL (initial material)

Page 10.

Middle Paragraph with "PbR" equation -- should PbR be PbR+++?
What does the comment "sulfate reducers channel electrons away from methane" mean? Is the intent to indicate that sulfate reducers withdraw electrons from the alkyl (ethyl) group R?

Please call if you have any questions.

Richard.