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LABORATORY No. 800985

CLIENT'S No. P.O.12210.50
04994

ORDER No. PG-12606

REPORT
February 12, 1980

REPORT OF POTENTIAL ALKALI
REACTIVITY ASTM C227 AND C-289
FOR
GULF STATES UTILITIES COMPANY
STONE AND WEBSTER ENGINEERING CORP., AGENT
P. O. BOX 217
ST. FRANCISVILLE, LA. 70775

PROJECT : RIVERBEND
Material : Fine Aggregate

Cement : Job Cement
Laboratory No.800984 Na_2O : 0.16
K_2O : 0.56
Total Alkalies @ Na_2O : 0.53

C-227 Average Length Change Percent

14 Day	+0.01
1 Month	+0.01
2 MOnth	+0.02
3 Month	+0.02
~~4 Month~~	+0.02
5 Month	Due 3/10/80
6 Month	

Mixing water as percent Cement : 19.3

C-289 Results (a)

Reduction in Alkalinity, Rc(mm/l)	97.22
Dissolved Silica, Sc(mm/l)	103.06

(a) According to Appendix X1.1.2 of ASTM C-33 the above Does appear to be potentially reactive - Verbal results to site 10-17-79.

RECEIVED
FEB 15 1980
STONE & WEBSTER
ENGINEERING CORPORATION
12210/12330

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