

INDUSTRY: POWER PRODUCTION

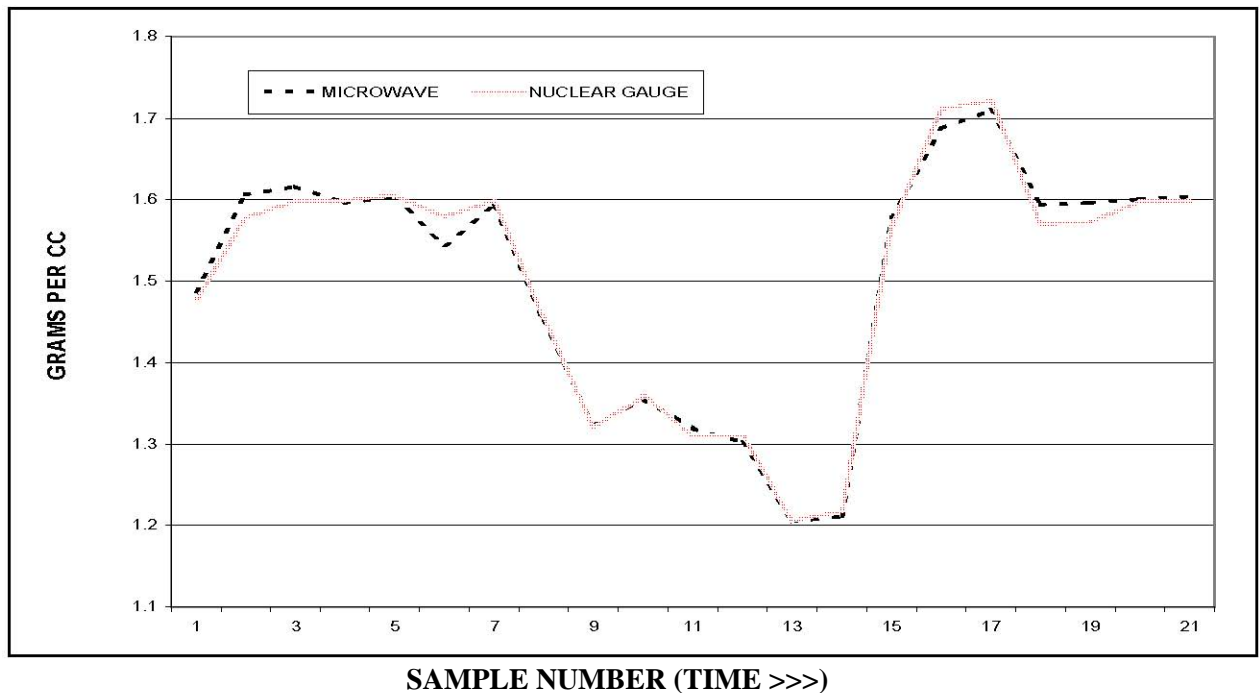
APPLICATION: TO MONITOR AND CONTROL THE DENSITY OF A SYNTHETIC GYPSUM SLURRY.

HK INSTRUMENT: HK1-C

TESTING: SAMPLES WERE COLLECTED FROM THE PIPELINE AND ANALYZED IN THE LAB USING AN OVEN. READINGS FROM THE HK-1 MICROWAVE SYSTEM WERE RECORDED EACH TIME A SAMPLE WAS COLLECTED.

RESULTS: CORRELATION BETWEEN LAB SAMPLES AND MICROWAVE READINGS IS EXCELLENT.

LAB OVEN VS MICROWAVE SYNTHETIC GYPSUM SOLIDS IN WATER



CONCLUSIONS: THE HK-1 MICROWAVE INSTRUMENT SYSTEM IS AN EXCELLENT TOOL THAT CAN BE USED TO MONITOR AND CONTROL THE DENSITY OF A SYNTHETIC GYPSUM AND WATER SLURRY.