

WESTERN UNION INCOMING

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U.S. ATOMIC ENERGY COMM.  
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THIS IS KERR MCGEE CORP OKLAHOMA CITY, OKLA 7/7/70 515PM

LYALL JOHNSON, ACTING DIR.

DIV. MATERIALS LICENSING

U.S. ATOMIC ENERGY COMM.

WASH., D.C.

DOCKET NO. 40-80273

For Div of Compliance

REFERENCE IS MADE TO YOUR LETTER OF JUNE 30, 1970. IT WAS OUR UNDERSTANDING AT THE MAY 26, 1970 MEETING IN YOUR OFFICE THAT, SINCE YOU COULD NOT AT THIS TIME RESOLVE THE QUESTION OF DEEP WELL DISPOSAL OF OUR SEQUOYAH WASTES, WE COULD CONTINUE TO OPERATE WITH THE TEMPORARY PONDING SYSTEM WITHIN THE SCOPE OF OUR LICENSE. WE POINTED OUT THEN THAT IT WOULD BE NECESSARY FOR US TO EXPAND OUR PONDS IN ORDER TO COVER US PENDING YOUR EVENTUAL DECISION ON THE DEEP WELL.

SINCE THAT TIME WE HAVE DEVELOPED PLANS AND ARE PROCEEDING WITH A \$300,000 PROGRAM TO HANDLE OUR LIQUID EFFLUENTS SAFELY WITHIN THE SCOPE OF OUR PRESENT LICENSE FOR THE NEXT YEAR. WE ARE STILL

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CONVINCED THAT DEEP WELL DISPOSAL WILL BE THE ULTIMATE SOLUTION TO THE SEQUOYAH DISPOSAL PROBLEM AND ARE PROCEEDING ON THE BASIS OF AN INTERIM PONDING SYSTEM PENDING RESOLUTION OF THE DEEP WELL APPROACH.

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ESSENTIALLY THE SYSTEM WE ARE NOW DEVELOPING CALLS FOR SEGREGATION OF OUR LIQUID PLANT EFFLUENTS INTO TWO STREAMS - SOLVENT EXTRACTION RAFFINATE AND HF SCRUBBER. EACH STREAM WILL BE TREATED WITH LIME AND OTHER CHEMICALS AND THE RESULTING SLURRIES WILL FLOW TO PONDS. ALL RAFFINATE SLURRIES WILL BE RETAINED IN AN ON SITE POND. THE OTHER SLURRIES WILL BE FED TO SETTLING BASINS FROM WHICH THE CLEAR FLUORIDE FREE SOLUTION OF THE PROPER ACIDITY WILL FLOW TO THE RIVER WITH CONCENTRATIONS OF RADIOACTIVE MATERIAL WELL BELOW MPC LEVELS. PONDS WILL MEET AEC STANDARDS. THEY WILL BE PROPERLY POSTED AND FENCED. MONITOR WELLS WILL BE STRATEGICALLY PLACED TO ASSURE NO POND LEAKAGE.

WE ARE NOW IN THE FINAL STAGES OF TAKING BIDS ON THE WORK AND WE EXPECT THAT WITHIN A MONTH THE RAFFINATE TREATMENT AND RETENTION SYSTEM WILL BE IN OPERATION AND THAT THE ENTIRE SYSTEM WILL BE IN OPERATION WITHIN 3 MONTHS.

WE WILL SUPPLY YOU WITH DETAILS OF DESIGN AND OPERATION IN THE NEAR FUTURE.

G B PARKS

EXECUTIVE VICE PRESIDENT

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WESTERN UNION WOODBRIDGE

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