

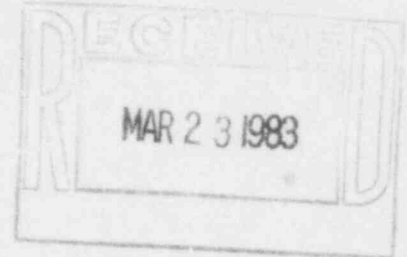


KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

March 21, 1983

Mr. John T. Collins, Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



KMLNRC 83-032

Docket No. STN 50-482

Ref: 1) Letter KMLNRC 81-096 dated 7/9/81 from GLKoester,
KG&E, to KVSeifrit, NRC

2) Letter of 1/21/83 from ELJordan, NRC, to
GLKoester, KG&E

Subj: IE Bulletin 81-03

Dear Mr. Collins:

Reference 1) transmitted Kansas Gas and Electric Company's (KG&E) response to IE Bulletin 81-03 concerning "Flow Blockage of Cooling Water to Safety System Components by Corbicula SP. (Asiatic Clam) and Mytilus SP. (Mussel)." Reference 2) requested additional information concerning KG&E's response to Item 4a of the Bulletin. Item 4a asked for an evaluation of the potential for intrusion due to low water level and high velocities in the intake structure expected during worst case conditions. This letter provides the requested information.

The preventive measures for controlling the intrusion of Corbicula were outlined in Reference 1). These measures included the use of chlorine dosing and temperature shock to restrict the entrenchment of this clam in any of the WCGS safety systems. The use of screens or filters to exclude Corbicula juveniles would require extremely small mesh size (<10 mm). At this time, KG&E uses a standard 3/8 inch mesh metal screen to protect the circulation water intake pumps. This screening would be somewhat effective in preventing intrusion of adults. Currently there are no plans to place any small filters or screens at Wolf Creek Generating Station. During worst case conditions (e.g. low lake levels and high water velocities), the intrusion potential would remain very low due to the preventive measures stated above.

The statements above are based on the supposition that Corbicula is present in the Wolf Creek Cooling Lake. During the past ten years of ecological monitoring on Wolf Creek and the Neosho River, Corbicula has never been found.

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Mr. John T. Collins
KMLNRC 83-032

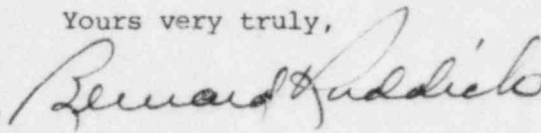
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March 21, 1983

It has never been found in that part of the Neosho River drainage which lies in Kansas. Although the possibility of Corbicula becoming established in the Neosho River is feasible, the time factor involved could be quite long.

If you have any further questions concerning this matter, please contact me or Mr. Otto Maynard of my staff.

Yours very truly,


for Glenn L. Koester
Vice President - Nuclear

GLK:bb

cc: Edward L. Jordan, Director
Division of Engineering and Quality Assurance
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Messrs. H.Roberds/SSchum
Resident NRC Inspectors
Box 311
Burlington, Kansas 66839

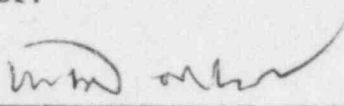
OATH OF AFFIRMATION

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

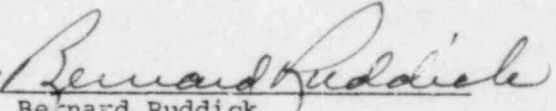
I, Bernard Ruddick, of lawful age, being duly sworn upon oath, do depose, state and affirm that I am Vice President - Engineering of Kansas Gas and Electric Company, Wichita, Kansas, that I have signed the foregoing letter of transmittal for Glenn L. Koester, Vice President - Nuclear of Kansas Gas and Electric Company, know the contents thereof, and that all statements contained therein are true.

KANSAS GAS AND ELECTRIC COMPANY

ATTEST:



W.B. Walker, Secretary

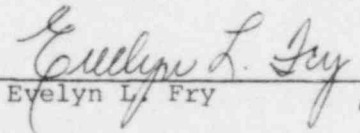
By 
Bernard Ruddick
Vice President - Engineering

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED that on this 21st day of March, 1983, before me, Evelyn L. Fry a Notary, personally appeared Bernard Ruddick, Vice President - Engineering of Kansas Gas and Electric Company, Wichita, Kansas, who is personally known to me and who executed the foregoing instrument, and he duly acknowledged the execution of the same for and on behalf of and as the act and deed of said Corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the date and year above written.





Evelyn L. Fry, Notary

My Commission expires on August 15, 1984.