

JUL 1 1981

Docket No.: STN 50-483

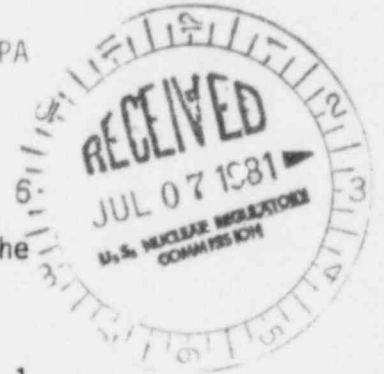
Mr. John K. Bryan
Vice President
Union Electric Company
1901 Gratiot Street
Post Office Box 149

Dear Mr. Bryan:

Subject: Request for Additional Information for the Review of the
Callaway Plant, Unit 1 Regarding Aquatic Ecology

Dist.
Docket File
LB#1 Rdg
DEisenhut
BJYoungblood
GEdison
MRushbrook
RTedesco
RVollmer
TMurley
RMattson
RHartfield, MPA
WJohnston
OELD
OIE (3)
CHickey (2)
JLehr

bcc:
TERA
NRC/PDR
L/PDR
NSIC
TIC
ACRS (16)



As a result of our continuing review of the Callaway Plant, Unit 1 Environmental Report, we find that we need additional information to complete our evaluation. The specific information required is presented in the Enclosure.

To maintain our licensing review schedule for the Callaway Plant Environmental Report, we will need responses to the enclosed request by July 17, 1981. If you cannot meet this date, please inform us within seven days after receipt of this letter of the date you plan to submit your responses so that we may review our schedule for any necessary changes.

Please contact Dr. G. E. Edison, Callaway Licensing Project Manager, if you desire any discussion or clarification of the enclosed request.

Sincerely,

Original signed by
Robert L. Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosure:
As stated

cc: See next page

8107140175 810701
PDR ADOCK 05000483
C PDR

OFFICE	DL:LB#1	DL:LB#1	DL:AB/L			
SURNAME	GEdison/ys	BJYoungblood	RLTedesco			
DATE	6/29/81	6/29/81	6/29/81			

Mr. J. K. Bryan
Vice President - Nuclear
Union Electric Company
P. O. Box 149
St. Louis, Missouri 63166

cc: Mr. Nicholas A. Petrick
Executive Director - SNUPPS
5 Choke Cherry Road
Rockville, Maryland 20850

Mr. William Hansen
Resident Inspector/Callaway NPS
c/o USNRC
Steedman, Missouri 65077

Gerald Charneff, Esq.
Shaw, Pittman, Potts &
Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

Mr. J. E. Birk
Assistant to the General Counsel
Union Electric Company
P. O. Box 149
St. Louis, Missouri 63166

Dr. Vern Starks
Route 1, Box 863
Ketchikan, Alaska 99901

Ms. Trevallearn, Assistant General
Counsel
Missouri Public Service Commission
P. O. Box 360
Jefferson City, Missouri 65102

Mr. D. F. Schnell
Manager-Nuclear Engineering
Union Electric Company
P. O. Box 149
St. Louis, Missouri 63166

- Q291.13C Please show the calculations leading to the estimates of the maximum usage of sulfuric acid for cooling water pH control and to the estimates of the average and maximum amounts of organophosphonates used (Table 3.6-2). The method of calculation given in response to question 291.10, if used, would lead to a number that was different from the estimated maximum amount of sulfuric acid (31,000 lb/day) given in Table 3.6-2. The difference between the average sulfuric acid use for pH control (25,200 lb/day) and the maximum use (31,000 lb/day), as listed in Table 3.6-2, appears to be small when compared with the difference between the average river alkalinity (160 mg/L) and maximum river alkalinity (319 mg/L) listed in Table 3.6-1.
- Q291.14C The numbers for the maximum use of NaOH, H₂SO₄ and NaCl listed in Table 3.6-2 are not consistent with the maximum amounts of sodium, sulfate and chloride added to the plant discharge as listed in Table 3.6-5, Revision 1. Please explain the discrepancy or provide updated tables that are consistent.