



Telegram

VEC235(1711)(1-032885C294)PD 10/21/74 1654

1974 OCT 21 PM 4:14

TLX CONSPower JKN

SUSPECTED DUPLICATE

ZCZC 005 DLY JACKSON MICHIGAN 10-21-74

PMS USAEC

799 ROOSEVELT ROAD

GLEN ELLYN, IL

ATT: RON COOK

SD-255
312-858-2660
TELEPHONE NBR
BY JTM
10/22
104.74
mail

THIS IS A FOLLOW-UP OF THE PHONE CONVERSATION WITH MR FISHER
ON 10-19-74 CONCERNING AO-74-24 THE GREATER THAN 0.5 PH UNITS
DIFFERENCE BETWEEN THE LAKE INLET AND LAKE OUTLET CIRCULATING
WATER.

8308220411 741118
PDR ADOCK 05000255
S PDR

ON 10-19-74 THE OUTLET ENVIRONMENTAL WATER - PLANT OUTLET -
SAMPLE ANALYSIS HAD A PH OF 7.68. THE INLET ENVIRONMENTAL WATER -

SF-1201 (R5-69)



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PLANT LAKE INLET - SAMPLE SHOWED A PH OF 8.38. INDICATING A DIFFERENCE OF 0.7 PH UNITS. THIS IS GREATER THAN THE 0.5 PH UNITS ALLOWED BY TECH SPEC 3.9.9 IN THE WATER PRIOR TO RELEASE TO LAKE MICHIGAN.

THE CAUSE OF THE VARIATION WAS AS FOLLOWS:

ON 10-18-74 AT 1930 HOURS THE "A" COOLING TOWER CIRCULATING PUMP-E-30A- WAS SHUT OFF. THE "A" COOLING TOWER ACID INJECTION SYSTEM WAS LEFT ON. THE BLOWDOWN FROM THIS TOWER RESULTED IN DEPRESSING THE PH IN THE DISCHARGE EFFLUENTS 0.7 PH UNITS BELOW THE LAKE INFLUENT PH. THE TOWER ACID SYSTEM WAS SHUT OFF ON 10-19-74 AT 0915. THE COOLING TOWER BLOWDOWN WAS SECURED. 2500 POUNDS OF LIME WAS ADDED TO THE "A" COOLING TOWER BASIN TO RAISE THE PH.

SF-1201 (R5-69)



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TO PREVENT A REOCCURRENCE THE COOLING TOWER ACID INJECTION
SYSTEMS WILL BE INTERLOCKED WITH THE COOLING TOWER CIRCULATING
WATER PUMPS SO THAT THE ACID SYSTEM FOR EACH TOWER CANNOT BE
OPERATED WHILE ITS CIRCULATING PUMP IS OFF. THIS ACTION WILL BE
TAKEN AFTER APPROPRIATE REVIEWS AND APPROVALS HAVE BEEN MADE.

R B DE WITT
PALISADES PLANT
CONSUMERS POWER COMPANY
ALL HO

CC: R L HAUETER
R B SEWELL