



LOUIS ALLIS
Beloit Power Systems

555 Lawton Avenue, Beloit, WI 53511

GO8/365-4491

TLX 260029

May 20, 1983

USNRC
799 Roosevelt Road
Glen Ellen, IL 60137

Attn: James G. Keppler

Subject: 10CFR21

Dear Sir:

This is to confirm my telephone call to Mr. Frank Jablonski of your office today, 05/20/83. I am reporting two (2) different potential defects.

To set the record straight we are Louis Allis/Beloit Power Systems; successor to Beloit Power Systems, Inc. (Tang Ind.) and to Colt - Fairbanks Engine Division (Generator Division).

PROBLEM #1

Power Plant affected - IL Power Clinton Station
Unit Serial # 700003 R1
Model: 6 Frame Generator
Mfg.: Beloit Power Systems, Inc. (Tang Ind.)
Date Shipped: 1977
Sold to: Stewart & Stevenson

The potential problem with this generator is that there is a 3 phase rectifier assembly in the exciter which was not connected in parallel i.e., parallel windings (coils) are not connected in parallel and could cause the field winding insulation to deteriorate and cause a premature failure.

Corrective Action:

Contact Mr. Shef Massey of Louis Allis/Beloit Power Systems, 608-365-4491 to have our Field Service reconnect the exciter leads in the proper parallel combination as soon as possible.

Corrective Action To Prevent Reoccurrence:

BPS has made an Engineering change order out to correct all drawings, so this will not occur on future exciters.

Problem #2 is unrelated to Problem #1.

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PROBLEM #2

User #1 - Detroit Edison (Ferm Plant)

S.N. #504075R1

#504075R2

#504075R3

#504075R4

Shipped: 1974

Shipped By: Beloit Power Systems, Inc. (Tang Ind.)

User #2 - N.E. Utilities (Millstone #2)

S.N. #503727R1

#503727R2

Shipped: 1972

Shipped By: Colt Industries (FMED)

User #3 - Georgia Power (Hatch)

S.N. # 503240R1

503240R2

503240R3

Shipped: 1971

Shipped By: Colt Industries (FMED)

Potential Problem #2

Detroit Edison experienced high vibration in their 6 frame 40" core generators. Louis Allis/Beloit Power Systems dispatched their Field Service Manager to the job site who confirmed that they had loose pole wedges. LA/BPS Engineering did a detail Engineering Evaluation and determined in 1976 Engineering had made a material change to 1045 steel from HRS1020 steel. Our Engineering staff believes that the units manufactured prior to this change could experience the loose pole wedges.


We are asking the users to measure their vibration in 3 planes, both ends and report the number of hours on each generator back to R. Haisler of LA/BPS so a determination can be made if the pole wedges need to be changed.

By copy of this letter the users are being asked to take the action requested and report the information to either Shef Massey, Electrical Product Manager, or Richard K. Haisler, Manager Quality Assurance at 608-365-4491 and file a written report to 555 Lawton Avenue, Beloit, WI. 53511.

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Yours Truly,

LOUIS ALLIS
BELOIT POWER SYSTEMS



Richard K. Haisler
Manager Quality Assurance

RH/mr

cc: North East Utilities Service Co, Hartford, Conn. (QA Mgr.)
Georgia Power Co., Atlanta, Ga. (QA Mgr.)
Detroit Edison Co., Detroit, Mich. (QA Mgr.)
J. Tangye - Colt Industries, Beloit, WI.