

CATEGORY 1

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 ERLACH, F.U. Affiliation Not Assigned
 RECIP. NAME RECIPIENT AFFILIATION
 NRC - No Detailed Affiliation Given

SUBJECT: Part 21 rept re followup of 970307 event involving potential spring problem in Bettis Actuator. Recommends that util include two actuator replacements of springs as precautionary measures in next refurbishment cycle.

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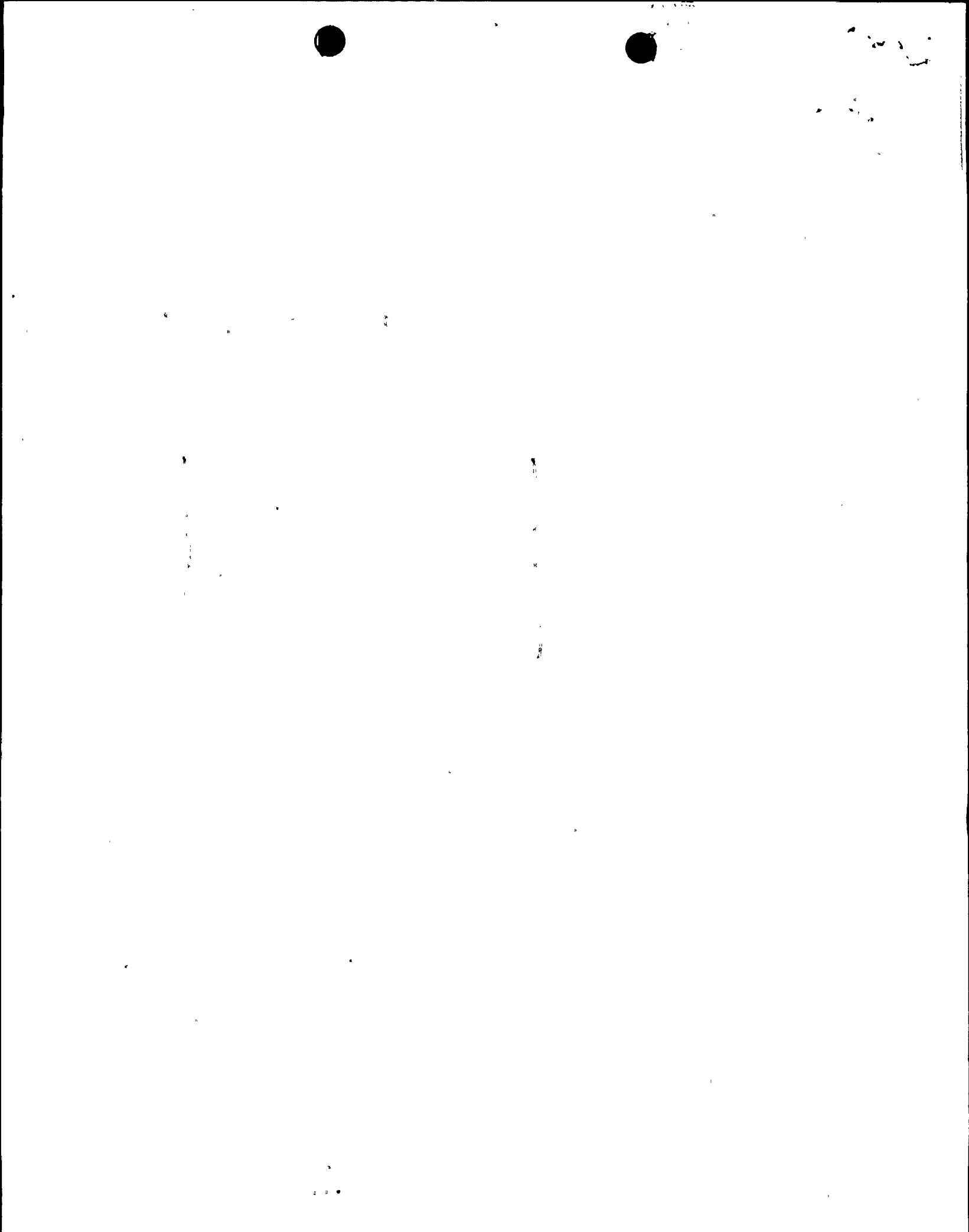
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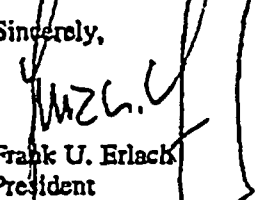
RE: Follow-up Notification of a potential spring problem in a Bettis Actuator. The Spring is P/N 015895 - installed in Bettis Actuator Model NT312-SR4-M3-S, Serial Numbers 1 and 2. Location is at St. Lucie Facility of Florida Power and Light. The tag numbers and system installation is 1-HVC-14-3 A and B.

On March 7, 1997 Bettis Actuators and Controls of Waller, TX, submitted to the NRC Operations Center a 10CFR Part 21 report. Whereas in that report, a potential deviation or non conformance condition exists in a basic component that is reportable under Part 21 guidelines. The basic component is identified as a Safety Related spring p/n 015895 supplied by Bettis. Bettis identified Enertech as having one order using the suspect batch of springs. Enertech has identified the Bettis order the springs were installed in applies only to the above stated application. Enertech has informed Florida Power and Light, St. Lucie site in regards to this concern. Enertech does not believe this situation is an immediate concern that require emergency actions.

The Bettis notification states this to be an isolated repair of one actuator for a commercial account. The notification states the above referenced actuator serial numbers have springs installed that were part of the same batch from the commercial application that contained a material defect. The actuator was installed in a high cycle commercial application, where it cycled approximately (15) fifteen times a day and had been in service since approximately 1987. This conservatively calculates to approximately 34,000 cycles in its life.

Enertech has evaluated the notification by Bettis and available data, and concluded the following. These (2) two actuators have a (5) five year or 650 stroke refurbishment cycle per the manufacturers recommendations. The worst case duty cycle of the St. Lucie actuators would calculate to approximately 1,300 total cycles, far below the commercial application. The next scheduled refurbishment cycle is due in 1998. Due to these factors, Enertech is recommending Florida Power and Light include in their next scheduled refurbishment cycle of the two actuators replacement of the springs as a precautionary measure. The function of the actuator is solely based on the ability of the spring to perform its function on demand. For this reason Enertech believes it is prudent to replace the springs at the next refurbishment cycle.

If you have questions or need additional information, Please contact me at your convenience at Enertech (714) 528-2301 extension 200.

Sincerely,

Frank U. Erlack
President



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