



Commonwealth Edison
Quad-Cities Generating Station
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NJK-74-333

October 18, 1974

Mr. J. F. O'Leary, Director
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D.C. 20545

SUBJECT: Inspection of Shock Suppressors at Quad-Cities Nuclear
Power Station, Unit 1, AEC Docket 50-254, DPR-29

Dear Mr. O'Leary:

The purpose of this letter is to report the results of a Hydraulic Shock Suppressor inspection which was conducted on October 4, 1974 on Quad-Cities Unit 1. Four (4) Parker-Hannafin, 33 Bergen-Patterson, and 14 Grinnell Shock Suppressors were inspected.

All Grinnell and Parker-Hannafin Suppressors contained sufficient fluid and appeared to be in acceptable condition. No fluid leakage was present with respect to any of these suppressors.

Bergen-Patterson Shock Suppressors Serial Numbered F-61284-1 (Tag 1-21), 482594 (Tag 1-24), and 68290 (Tag 1-13), were found to contain insufficient quantities of hydraulic oil in their respective reservoirs. All other suppressors were observed to be satisfactory.

The three defective Bergen-Patterson Shock Suppressors were removed and disassembled. Inspection revealed the cause of the leakage in one suppressor to be a small chip out of the rod packing. This chip, about one-sixteenth of an inch, was believed to be caused in the installation of the packing. The cause of the second suppressor fluid loss was determined to be a nut on an accumulator tie rod that was not torqued down properly. No apparent cause could be found for the third suppressor's loss of fluid.

Very truly yours,

N. J. Kalivianakis
Station Superintendent

NJK/LFG/rhb

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