

DEFECTIVE HYDRAULIC SHOCK SUPPRESSORS AND RESTRAINTS

Information contained in an abnormal occurrence report from the Millstone 1 reactor, supplemented by additional information obtained by Regulatory Operations from other licensees, revealed that 51 of 112 hydraulic shock suppressors and restraints inspected were defective due to loss of hydraulic oil supply. These suppressors and restraints were manufactured by the Bergen-Patterson Company.

In the light of this information you are requested to take the following specific actions:

- A. Determine whether Bergen-Patterson hydraulic shock suppressors and restraints are utilized in safety systems within your facility. Report the results of this determination to this office by noon, Monday, July 30, 1973.
- B. If Bergen-Patterson suppressors and restraints are utilized in such systems:
 1. Inspect prior to noon, July 30, 1973, each suppressor and restraint for proper hydraulic fluid level.
 2. Report by telephone to this office by noon, Monday, July 30, 1973 the results of your actions to show:
 - a. Number of suppressors and restraints installed in safety related systems.
 - b. Number inspected.
 - c. Number defective by model number and location of installation and failure mode.
 - d. Confirmation of operability of defective suppressors and restraints. If repairs are not completed, your justification for continuing operation of your plant and your schedule for completion of repairs.
 - e. Existing or planned surveillance schedule for suppressors and restraints.
 3. For plants with existing surveillance of suppressors and restraints, if your inspection has been performed within the last 30 days and there is no history of defective suppressors and restraints or if all were repaired, this request for inspection prior to noon July 30, 1973, does not apply.

- C. Reports made in response to A and B, above, should be confirmed in writing within 10 days.

- D. For facilities with no Bergen-Patterson suppressors and restraints or with existing surveillance inspections of suppressors and restraints:
 - 1. At the next reactor shutdown, inspect all hydraulic suppressors and restraints in safety related systems. Inform this office of your schedule for this inspection by noon, July 30, 1973.

 - 2. When the inspection is performed, if defective suppressors and restraints are identified, the results of your inspection should be reported immediately by telephone to this office and confirmed in writing within 10 days. This report should include:
 - a. Number of suppressors and restraints inspected, identified by manufacturer.

 - b. Number of defective suppressors and restraints.

 - c. For each defective suppressor and restraint report:
 - (1) manufacturer (2) model number
 - (3) location of installation (4) failure mode

 - d. Confirmation of operability of defective suppressors and restraints. If repairs are not completed, your justification for operation of your plant and your schedule for completion of repairs.

 - e. Surveillance schedule.

 - 3. If no defective suppressors and restraints are identified a report should be submitted within 10 days of completion of the inspection to show the number of suppressors and restraints inspected, identified by manufacturer and model number.

If you have any questions concerning this request, please contact this office.