

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by IE staff on this date.

FACILITY: Pacific Gas & Electric Company
Diablo Canyon Unit Nos. 1 & 2
Docket Nos. 50-275 & 50-323
San Luis Obispo County, California

Licensee Emergency Classification:
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 Not Applicable.

SUBJECT: SAFETY INJECTION PUMP FAILURE DURING
PREOPERATIONAL TESTING

Approximately on 10/15/81, surveillance testing after preventive maintenance resulted in large current oscillations in the safety injection pump motor. The motor was manually tripped and after investigation, restarted. On restart the motor automatically tripped over current. Inspection revealed the pump wear ring had seized the shaft. Subsequent checks on the motor showed it to be undamaged.

The pump is a horizontal 10 stage centrifugal pump model number JTCH manufactured by Pacific Pumps Inc. IE Circular 80-04 had described a similar problem at Salem Unit 1 where a locking nut on the pump shaft became loose which in this case allowed the pump impeller to travel down the shaft and make contact with the wear ring and case ring assembly. The contact caused the wear ring and case ring to heat up sufficiently to fuse the wear ring and case ring together on the initial manual motor trip.

It should be noted that Pacific Pump put out on or about January, 1981, a change to the instruction manual for this pump which corrected this problem. However, the change was only sent to Pacific's customers, in this case, Westinghouse, and Westinghouse apparently did not transmit the information to the licensee. GREAT!! Why not

The licensee, in their response to Circular 80-04 of September, 1980, had concurrence from Pacific Pump that simply hand tightening the locking nut was adequate. The licensee tightened the locking nut by wrench and checked all alignment. Additional corrective and preventive measures are in progress by the licensee.

The licensee is currently in discussions with Pacific Pump and Westinghouse to decide on Part 21 reporting requirements.

Public interest is not expected. Neither the licensee nor the NRC plans to issue a news release. Region V (San Francisco) received notification of this occurrence from the Resident Inspector at 8 AM on 10/26/81. This information is current as of 10 AM on 10/28/81.

CONTACT: P. Morrill, 463-3740

T. Young, Jr., 463-3853

RECEIVED
OCT 21 1981
2:01
OFFICE SECRETARY

DISTRIBUTION:

St. <u> </u>	MNBB <u> </u>	Phillips <u>10:30</u>	E/W <u>10:31</u>	Willste <u> </u>	Landow <u> </u>
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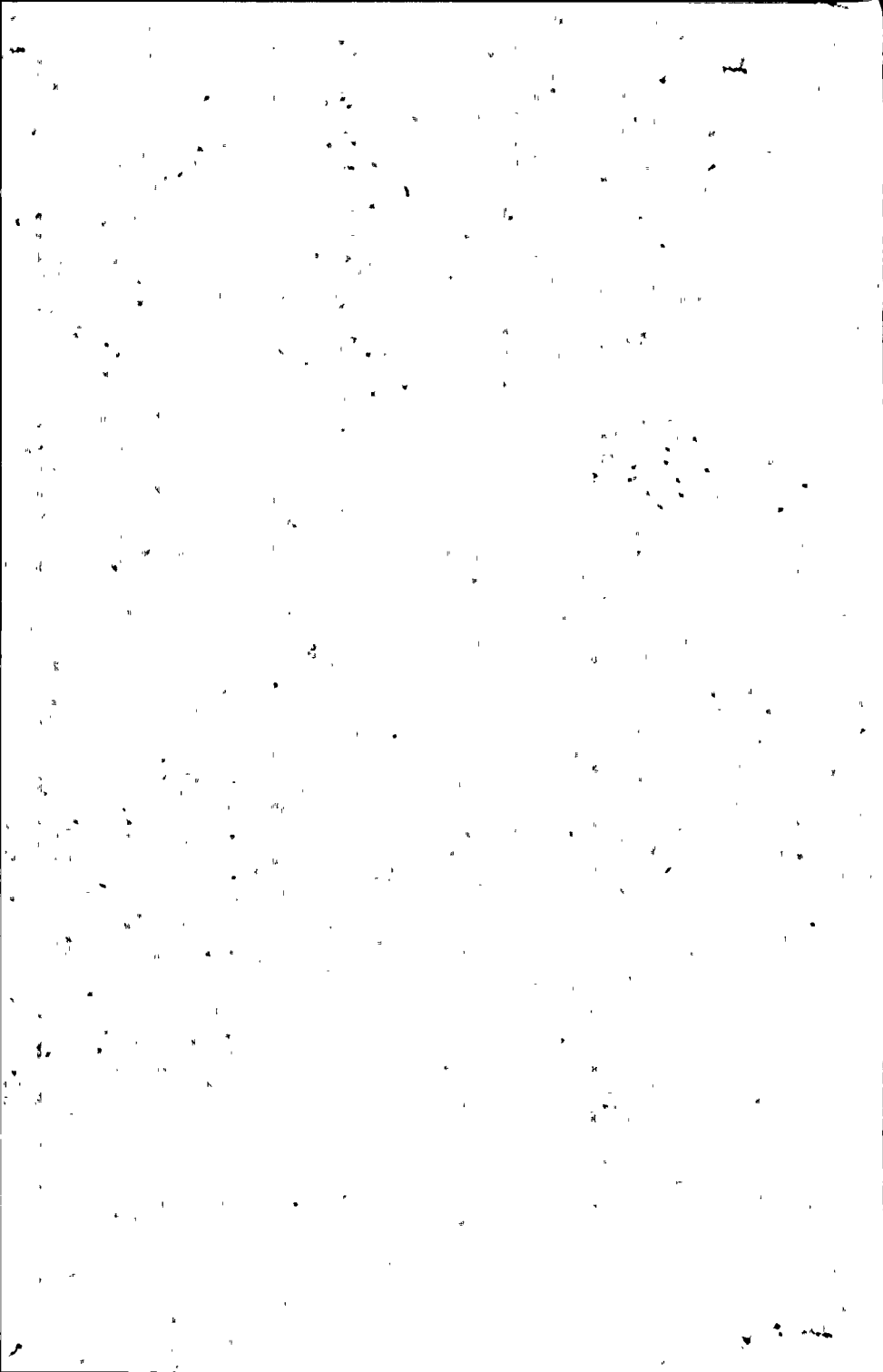
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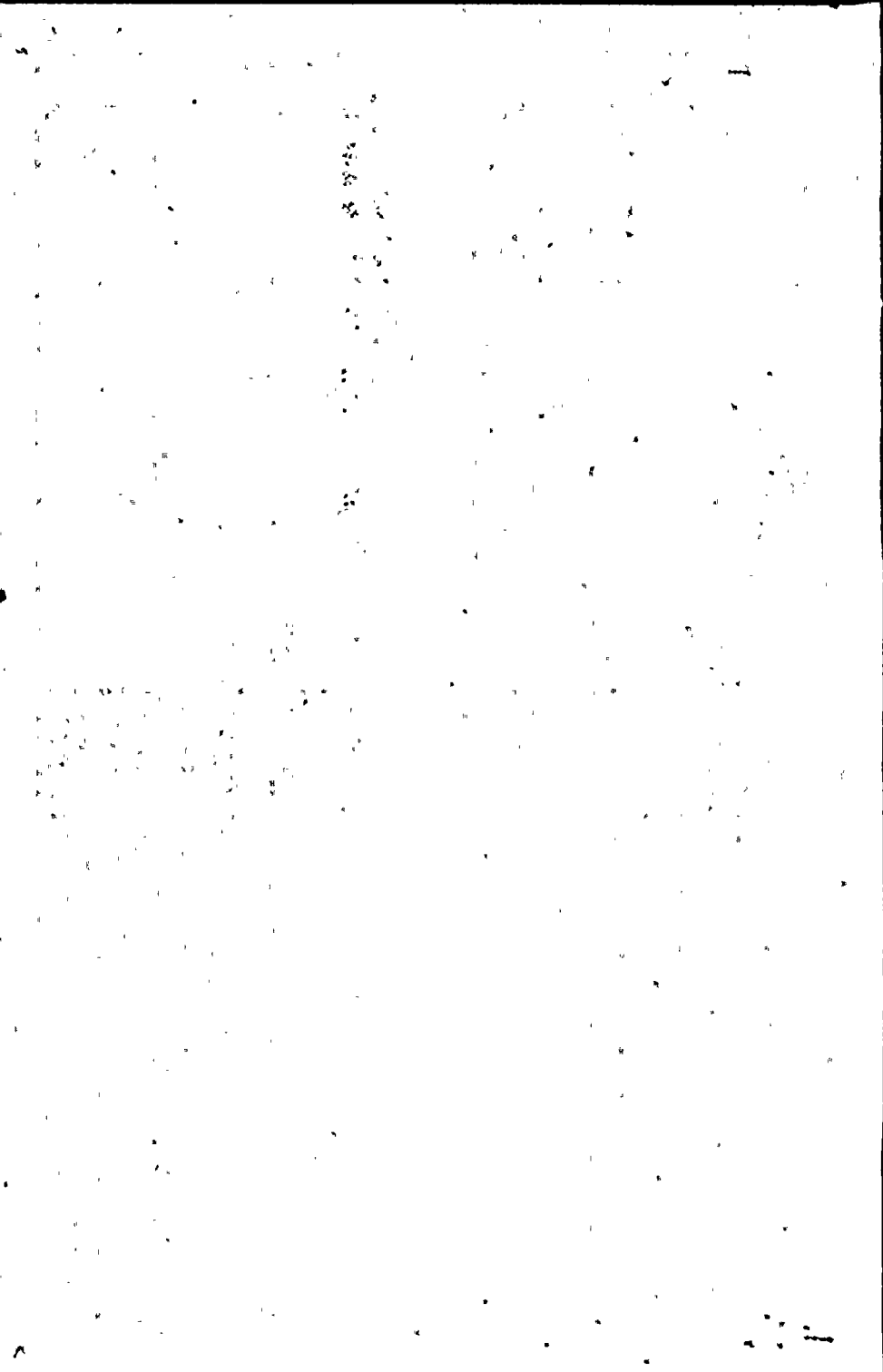


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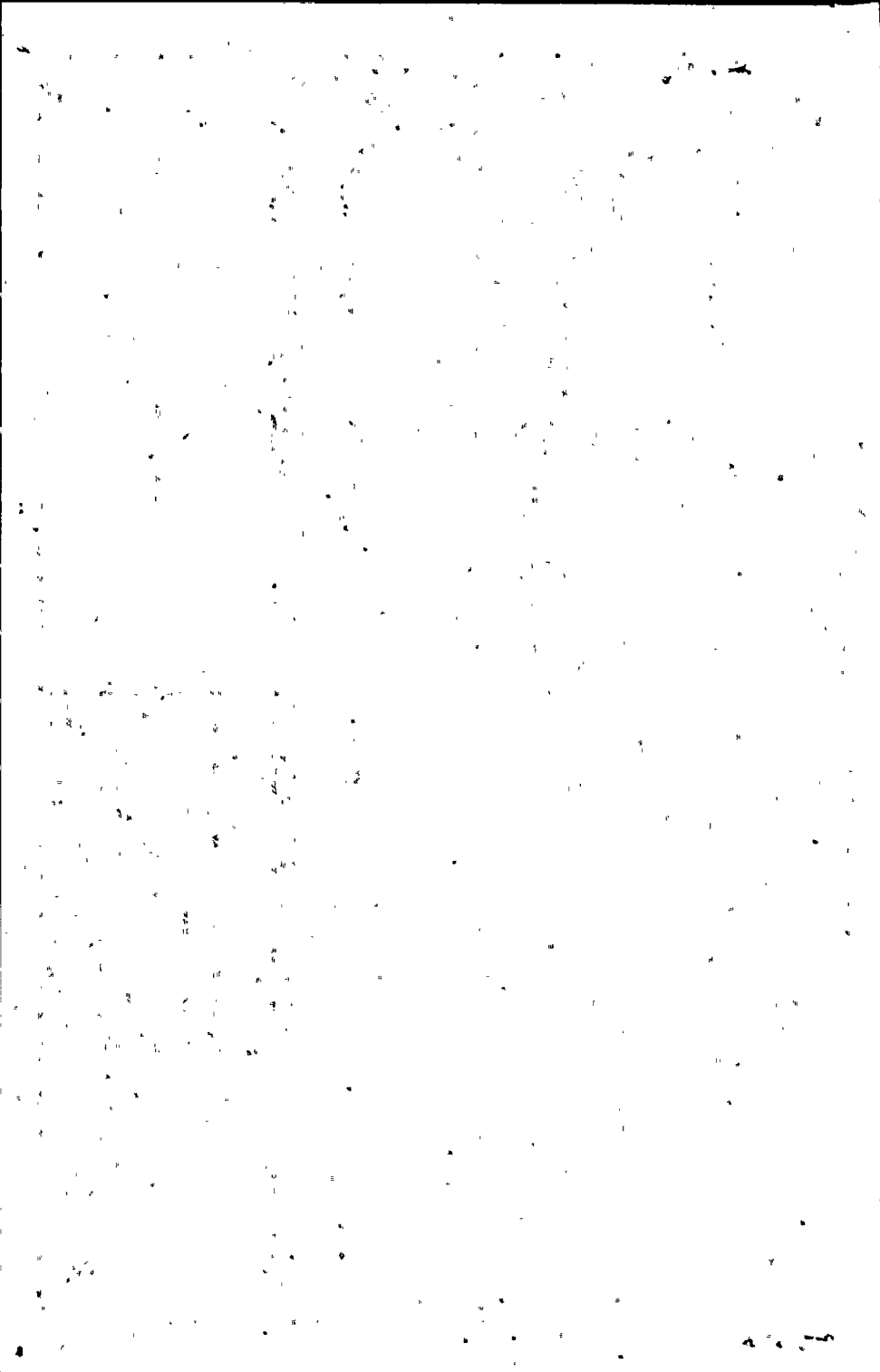
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Questions re Diablo Canyon safety injection pump failure CLASSIFIED DATA		FILE LOCATION	111-2548-1107	SPECIAL INSTRUCTIONS OR REMARKS
		PRIORITY <i>Provide final package to B&E in dispatch and clear-out action.</i>		
DOCUMENT/COPY NO.		CLASSIFICATION		
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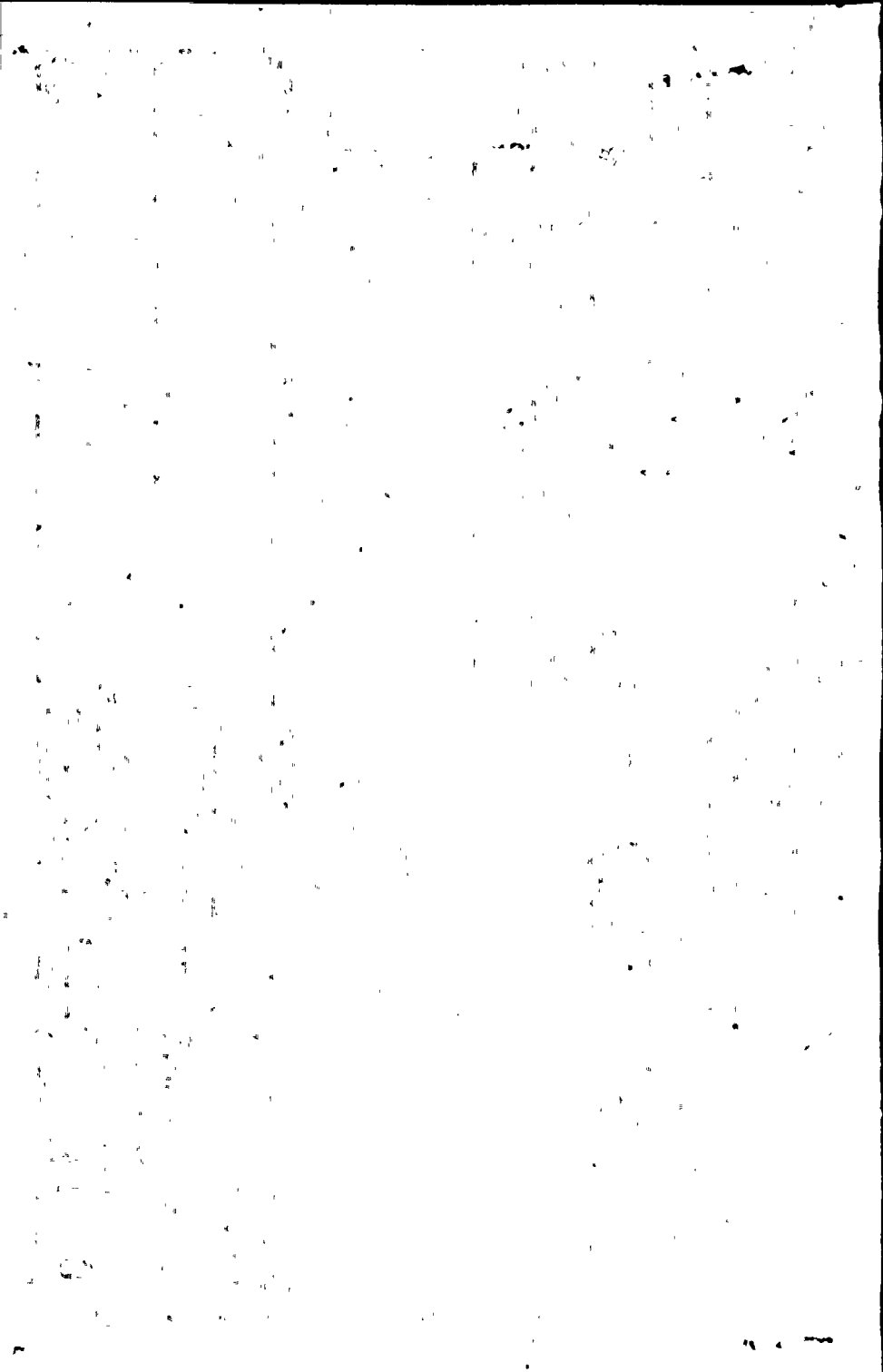
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