

November 5, 1979

Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

October 30 - Westinghouse Turbine briefed utility executives - problems with Westinghouse 1800 rpm LP turbines.

Major assumption current turbine missile reports - stress corrosion cracking not possible failure mode contributing to P1.

Stress corrosion cracking found in Westinghouse LP rotors three months ago.

May be Part 50.55e reportable for plants using Westinghouse P1 in SAR analysis but Westinghouse claims not, at least til new P1 analysis finished (still several months away). Utilities probably reluctant to report because of confusing Westinghouse position and uncertainty whether P1 significantly worse.

May be Part 21 reportable. If so, flagrant Westinghouse violation.

List of plants affected attached.

Copy to: Peter A Bradford, Commissioner

POOR ORIGINAL

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CATEGORY AA

<u>UTILITY</u>	<u>STATION</u>	<u>UNIT</u>
Florida P&L	Turkey Point	3
Consolidated Ed.	Indian Point	2
PASNY	Indian Point	3
Arkansas P&L	Russellville	1
VEPCO	Surry	1
Carolina P&L	Robinson	2
So. Calif. Ed.	San Onofre	1
Yankee A.P.	Rowe	1
Wisc. Mich. Pwr.	Point Beach	1
Consumers Pwr.	Palisades	1
Commonwealth Ed.	Zion 1	1
Commonwealth Ed.	Zion 2	2
Florida P&L	Turkey Point	4
Nebraska FPD	Cooper	1
Wisc. Mich. Pwr.	Point Beach	2
Maine Yankee	Bailey Point	1
Rochester G&E	Ginna	1
Northern States	Prairie Island	1
Wisc. P.S.	Kewaunee	1

CATEGORY A

<u>UTILITY</u>	<u>STATION</u>	<u>UNIT</u>
Alabama Power	Farley	1
Alabama Power	Farley	2
Baltimore G&L	Calvert Cliffs	2
Carolina P&L	Harris	1
Carolina P&L	Harris	2
Carolina P&L	Harris	3
Carolina P&L	Harris	4
Cincinnati G&L	Zimmer	1
Commonwealth Ed.	Byron	1
Commonwealth Ed.	Byron	2
Commonwealth Ed.	Braidwood	1
Commonwealth Ed.	Braidwood	2
Connecticut Yankee	Haddam Neck	1
Duke Power	McGuire	1
Duke Power	McGuire	2
Duquesne Lt.	Shippingport	1
Duquesne Lt.	Beaver Valley	1
Duquesne Lt.	Beaver Valley	2
Florida Power Corp.	Crystal River	3
Florida Power & Lt.	St. Lucie	1
Florida Power & Lt.	St. Lucie	2
Houston L&P	So. Texas	1
Houston L&P	So. Texas	2
Louisiana P&L	Waterford	3
Metropolitan Ed.	Three Mile Island	2
Northern States Pwr.	Prairie Island	2
Pub. Service E&G	Salem	1
Pub. Service E&G	Salem	2
Pacific G&E	Diablo Canyon	1
Pacific G&E	Diablo Canyon	2
P.S. Indiana	Marble Hill	1
P.S. Indiana	Marble Hill	2

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UTILITYSTATIONUNIT

<u>UTILITY</u>	<u>STATION</u>	<u>UNIT</u>
Puget Sound P&L	Skagit	1
SMUD.	Rancho Seco	1
TVA	Sequoyah	1
TVA	Sequoyah	2
TVA	Watts Bar	1
TVA	Watts Bar	2
VEPCO	North Anna	1
VEPCO	North Anna	2
VEPCO	North Anna	3
VEPCO	North Anna	4
VEPCO	Surry	2
WPPSS	Hanford	2
WPPSS	WNPS	1
WPPSS	WNPS	3
WPPSS	WNPS	4
WPPSS	WNPS	5
Almaraz	Almaraz	1
Almaraz	Almaraz	2
Assoc. Asco	Asco	1
Assoc. Asco	Asco	2
Assoc. Vandellos	Vandellos	2
Cent. El DeFurnas	Angra	1
Iberduero	Lemoniz	1
Iberduero	Lemoniz	2
Iberduero	Sayaga	1
Philippines	Bagac	1
Puerto Rico WRA	Narco	1
Taiwan Power	Chin Shan	1
Taiwan Power	Chin Shan	2
Taiwan Power	Kuosheng	1
Taiwan Power	Kuosheng	2
Yugoslavia	KRSKO	1

CATEGORY BUTILITYSTATIONUNIT

<u>UTILITY</u>	<u>STATION</u>	<u>UNIT</u>
Baltimore G&E	Wagner	3
Boston Ed	New Boston	1
Commonwealth Ed	Joliet	7 & 8
Commonwealth Ed	State Line	4
Commonwealth Ed	Waukegan	8
Duke Power	Belews Creek	1
Philadelphia Elec. Co.	Eddystone	1
Penn. Electric	Keystone	1 & 2
So. Calif. Ed.	Alamitos	5 & 6
So. Calif. Ed.	Redondo	7 & 8

CATEGORY CUTILITYSTATIONUNIT

<u>UTILITY</u>	<u>STATION</u>	<u>UNIT</u>
Commonwealth Ed.	Ridgeland	1 & 2
Commonwealth Ed	Crawford	8
Detroit Ed.	Connors Creek	15 & 16
Detroit Ed.	River Rouge	2
Detroit Ed.	St. Clair	6
Duke Power	River Bend	1
Duquesne Lt.	Reed	1 & 2
Los Angeles DWP	Harbor	1 & 2
OVEC	Kyger Creek	2, 3, 4, 5
P.S. of No. Illinois	Will County	1
Philadelphia Elec. Co.	Richmond	12
Philadelphia Elec. Co.	Chester	1
Philadelphia Elec. Co.	Southwark	1 & 2
Union Elec.	Meramec	4

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PRELIMINARY NOTIFICATION

Date: November 20, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-111-19-43

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

Facility: Commonwealth Edison Company, Zion Unit 1
(DN 50-295) Zion, Illinois

Subject: CRACKS IN LOW PRESSURE TURBINE DISKS

During the overhaul of the unit 1 low pressure turbine, cracks or indications have been found in the B and C Section Discs. On November 14, 1979, crack indications were found in the B section Number 2 disks and on November 20, 1979, two cracks were found in the C section Number 1 disks.

The cracks found in the C section Number 1 disks are each approximately one inch in length and are located near the shaft. According to the licensee a new spindle will be required for permanent repair, or a temporary repair may be possible by cutting out part of the disks and rebalancing the shaft. It is estimated that the temporary repair will take six to seven weeks or the permanent repair will take up to three months. The licensee is currently attempting to locate a replacement spindle. The licensee estimates that this repair effort will extend the present refueling outage by a minimum of 21 days (outage now estimated at 85 days as opposed to original schedule of 64 days).

The licensee does not plan to issue a press release at this time.

The State of Illinois is being notified.

This information is current as of 1:00 p.m. on November 20, 1979.

Contact: J. E. Kohler, Resident Inspector, 312/746-2321; D. C. Boyd, R111,
384-2546

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