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April 30, 2025

Dell Power Plant Dell, AR

The following report is a summary of findings from the vibration survey that was performed on April 15, 2025. The report only contains defects/issues found from the survey.

QualiTest® uses a four step rating system for defects.

<u>Class I:</u> Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

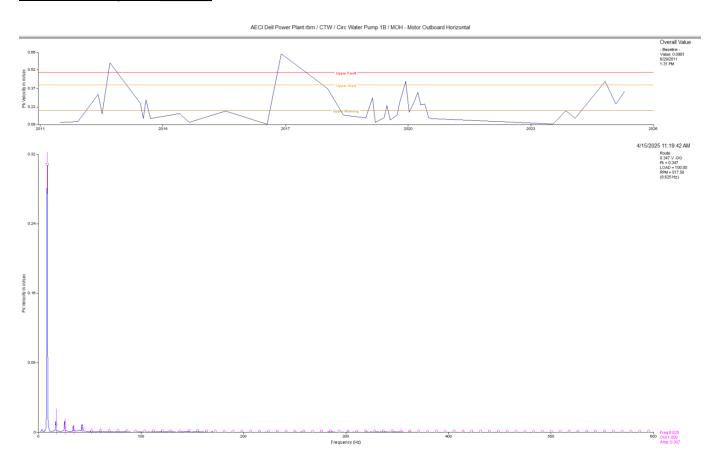
<u>Class II:</u> Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

<u>Class III</u>; Defect (s) present that may cause failure in short term (less than 2 months). This should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.

<u>Class IV</u>: Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs

Hi-Speed **Industrial Service** tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

Circ Water Pump 1B CLASS I



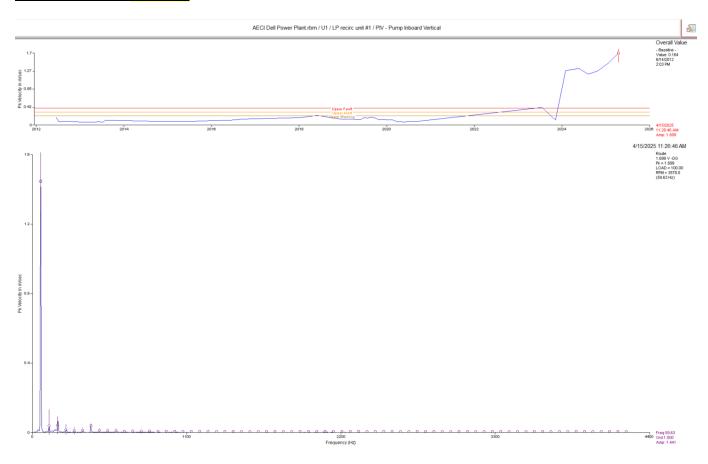
Observation: MOH velocity spectrum shows a dominant vibration at 8.6 Hz. which appears to be very close 1 x motor rpm. Trend data above shows a decrease in amplitude since last survey.

Recommendation:

Overall, the velocity amplitudes of the motor are slightly above average according to trend data. The 1 x motor rpm vibration seen in the MOH can possibly be influenced by the pump if the pump has internal issues such as shaft/bushing wear/excessive run-out, impeller imbalance. Pump flows and or resonance can also contribute somewhat. Ensure flows are good. We are monitoring this closely.

GAS TURBINE UNIT 1

LP Recirc Unit 1 CLASS III



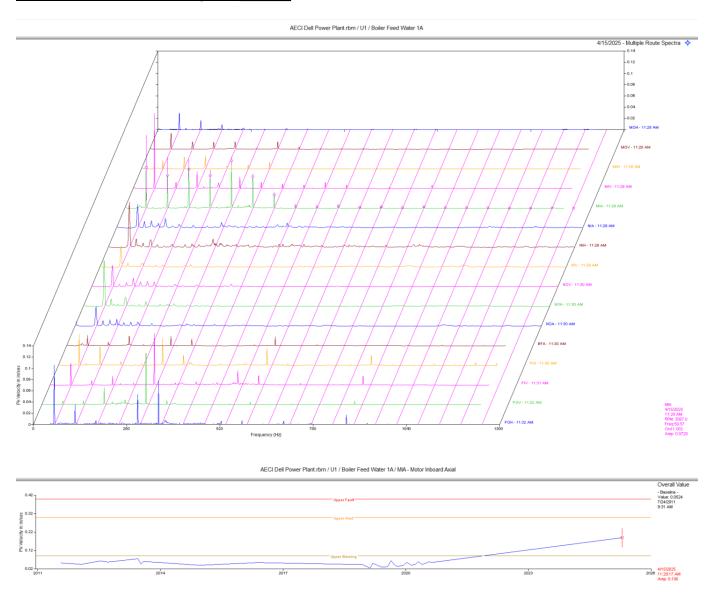
Observation:

Pump inboard vertical trend shows another increase in vibration this survey. PIV data shows a dominant 1 x rpm vibration.

Recommendation:

Data suggests a coupling issue, or issue with pump and or pump base. Check pump coupling for wear and check pump shaft for run out as time allows. Ensure pump base is not loose.

Unit 1 Boiler Feed Water Pump 1A CLASS I



Observation:

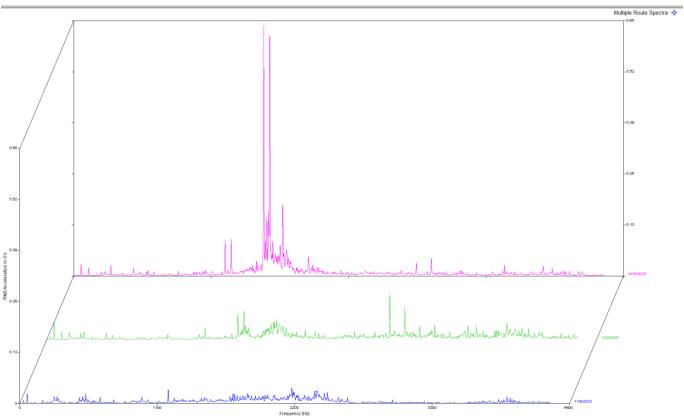
Multi point waterfall spectra above shows several rpm harmonics in the motor data particularly in the DE of the motor. Vertical and axial directions are higher amplitudes.

Recommendation:

Data suggests excessive clearances in the motor bearings. Coupling issues could also be suspect. This motor has not had vibration readings since September 2020 so severity is unclear at this time. We recommend keeping a close eye on this motor. Increasing monitoring may be necessary.

CT Lube Oil Pump 2 CLASS II

AECI Dell Power Plant.rbm / U1 / CT Lube Oil Pump 2 / MIH - Motor Inboard Horizontal



Observation:

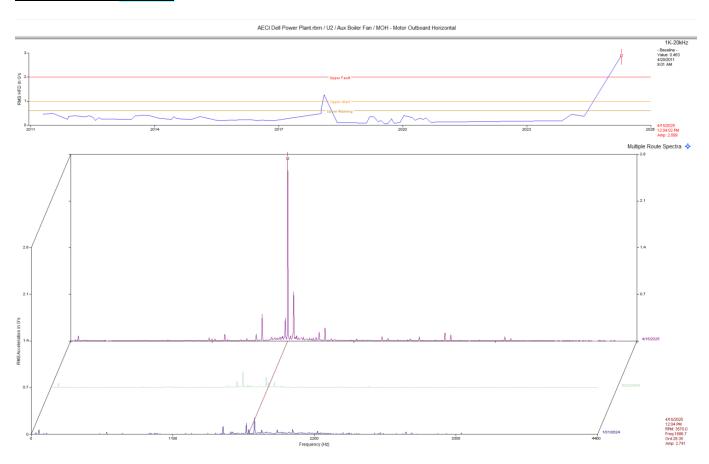
Motor inboard horizontal (DE) waterfall spectra shows an increase in non-synchronous vibration. Spectral data shows a dominant non-synchronous vibration inn mid frequency range. Amplitudes are still on the low side as of now.

Recommendation:

Data suggests a bearing issue taking place in DE of motor. We will monitor this closely next survey. Inpsect motor as time allows.

GAS TURBINE UNIT 1

Aux Boiler Fan CLASS II



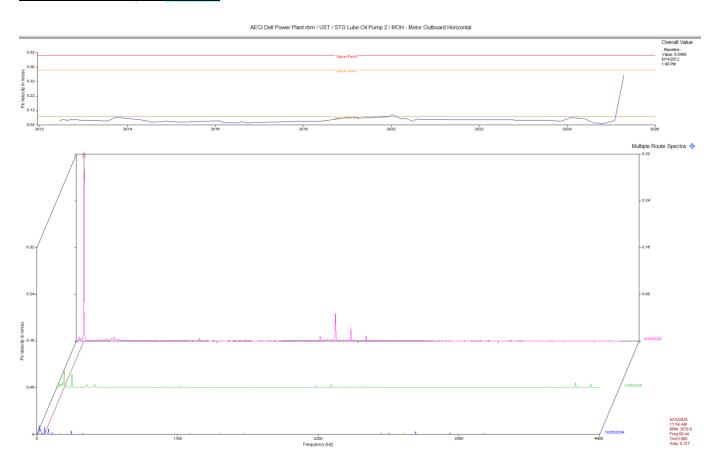
Observation:

Motor outboard horizontal shows an increase in acceleration amplitude. Spectral data shows a dominant peak that appears to be non-synchronous to motor rpm.

Recommendation:

Data suggests a bearing issue in the motor. It has been around one year since our last data collection, so severity is uncertain. For now, inspect motor as best as possible.

STG Lube Oil Pump 2 CLASS II



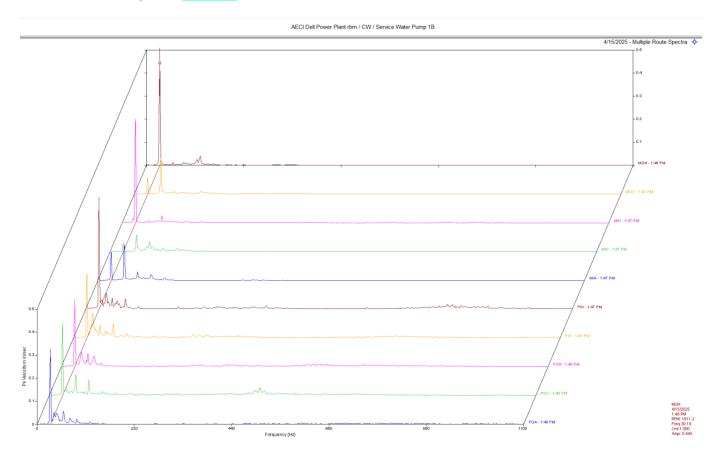
Observation:

Motor outboard horizontal waterfall spectra shows an increase in 1 x rpm and also an increase in what appears to be possible rotor bar pass frequency. We would need the number of rotor bars to confirm this. There are also some 2 x line frequency sidebands around this peak. Trend data of MOH shows increased overall amplitude as well.

Recommendation:

Vibration data indicates a possible issue with the rotor such as rotor bar issues, rotor eccentricity, air gap variation. The increased 1 x rpm vibration is also another indication of possible rotor bar issues. We will monitor this issue closely in the coming surveys.

Service Water Pump 1B CLASS II



Observation:

Multi-point spectra of the motor and pump show dominant 1 x rpm vibration in motor with some 1 x rpm in pump.

Recommendation:

Data suggests possible coupling and/or alignment issue. Check drivetrain for these issues.

Database: AECI Dell Power Plant.rbm

Area: Cooling Tower

MEASURI	EMENT	POINT			L LEVEL	HFD / VHFD) -
CTW1	-	- Cooling	Tower			(15-Apr-25)	
				OVERA	LL LEVEL	1K-20kHz	
	MOH				In/Sec	.173 G-s	
	MOP MOV				G-s	004 C ~	
	MIH			087	In/Sec In/Sec	.084 G-s .386 G-s	
	MIP				G-s	.500 0 5	
	MIV					.205 G-s	
	MIA			.094	In/Sec	.160 G-s	
CTW2	-	- Cooling	Tower			(15-Apr-25)	
				OVERA	LL LEVEL	1K-20kHz	
	MOH			.100	In/Sec	.235 G-s	
	MOP				G-s		
	MOV			.110	In/Sec	.184 G-s .584 G-s	
	MIH			.117	In/Sec	.584 G-s	
	MIP			.320		07F C -	
	MIV					.275 G-s	
	MIA					.242 G-s	
CTW3	-	- Cooling	Tower	Fan 3 HS		(15-Apr-25)	
				OVERA	LL LEVEL	1K-20kHz	
	MOH			.148	In/Sec	.681 G-s	
	MOP MOV					412 C-c	
	MIH			145	In/Sec	.413 G-s .624 G-s	
	MIP				G-s	.024 G-S	
	MIV					.428 G-s	
	MIA			.311	In/Sec	.218 G-s	
СТ₩4	_	- Cooling	Tower	Fan 4 HS		(15-Apr-25)	
OINT		coorring	10#61			1K-20kHz	
	MOH			.086	In/Sec	.167 G-s	
	MOP				G-s		
	MOV			.104	In/Sec	.071 G-s	
	MIH			.066	In/Sec	.234 G-s	
	MIP			.104			
	MIV					.070 G-s	
	MIA			.107	In/Sec	.061 G-s	
CTW5	-	- Cooling	Tower			(15-Apr-25)	
	MOTT					1K-20kHz	
	MOH			.136	In/Sec	.196 G-s	
	MOP MOV				G-s In/Sec	.132 G-s	
	MIH				In/Sec		
	MIP			.416		.557 & 5	
	MIV				In/Sec	.242 G-s	
	MIA				In/Sec		
CTW6	_	- Cooling	Tower	Fan 6 HS		(15-Apr-25)	
		-			LL LEVEL	_	
	MOH			.139	In/Sec	.185 G-s	
	MOP			.028			
	MOV				In/Sec		
	MIH				In/Sec	.595 G-s	
	MIP			.313		001 0 -	
	MIV				In/Sec In/Sec		
	MIA			.133	III/ Sec	.131 G-S	

2 2 2 2 2	- Coo MOH MOP MOV MIH MIP MIV MIA	ling Tower	.073 In/Sec .148 G-s .099 In/Sec .075 In/Sec .379 G-s .225 In/Sec	(15-Apr-25) 1K-20kHz .269 G-s .126 G-s .686 G-s .143 G-s .251 G-s
CTW9	- Coo	ling Tower	Fan 9 HS	
			OVERALL LEVEL	1K-20kHz
_	HOM			.310 G-s
	MOP MOV		.161 G-s .116 In/Sec	.108 G-s
	HIM			.205 G-s
	MIP		.120 G-s	
	MIV MIA			.108 G-s .090 G-s
_	MIA		.100 III/Sec	.090 G-S
CTW10	- Coo	ling Tower	Fan 10 HS	
•	мон			1K-20kHz
	MOH		.102 In/sec	.295 G-s
	VOM			.098 G-s
	HIM		.077 In/Sec	.293 G-s
	MIV MIV		.178 G-s	.138 G-s
_	MIA			.136 G-s
CTW11	- Coo	ling Tower	Fan 11 HS	
1	мон		.078 In/Sec	1K-20kHz .280 G-s
	MOP		.169 G-s	
	VOM			.087 G-s
	MIH MIP		.074 In/Sec .265 G-s	.399 G-s
	MIV			.154 G-s
1	MIA			.189 G-s
CTW12	- Coo	ling Tower	Fan 12 HS	
,	мон		OVERALL LEVEL	1K-20kHz .243 G-s
	MOP		.103 In/Sec	
	VOM		.088 In/Sec	.091 G-s
	MIH			.293 G-s
	MIV		.128 G-s	.095 G-s
	MIA		.076 In/Sec	
	_			
CTW1 LS	- Coo	ling Tower	Fan 1 LS OVERALL LEVEL	(22-May-24) 1K-20kHz
1	MOH			.442 G-s
1	MOP		.200 G-s	
	VOM		•	.107 G-s
	MIW WIV		.103 In/Sec	.0024 G-s .0033 G-s
	MIA		.037 In/Sec	.0033 G-s .0045 G-s
	_			400 041
CTW2 LS	- Coo	ııng Tower	Fan 2 LS OVERALL LEVEL	(22-May-24) 1K-20kHz
1	МОН			.219 G-s
	MOP		.120 G-s	
	MOV MIH		.102 In/Sec	.137 G-s 1.364 G-s
	MIP		.674 G-s	1.504 G-S
1	VIN		.105 In/Sec	.210 G-s
1	AIM		.121 In/Sec	.165 G-s

	- Cooling Tower Fan 3 LS (22	-May-24)
	OVERALL LEVEL	
MOH MOP	.104 In/Sec .056 G-s	.138 G-s
MOV	.056 G-S .096 In/Sec	064.0.
MIH	.122 In/Sec	.998 G-S
MIP	.505 G-s	000 0
MIV	.111 In/Sec	.072 G-s
MIA	.114 In/Sec	.237 G-s
CTW4 LS	- Cooling Tower Fan 4 LS (22	
	OVERALL LEVEL	
MOH	.148 In/Sec	.110 G-s
MOP	.049 G-s	
VOM	.105 In/Sec	
MIH	.144 In/Sec	.208 G-s
MIP	.114 G-s	
MIV	.104 In/Sec	
MIA	.093 In/Sec	.048 G-s
CTW5 LS	- Cooling Tower Fan 5 LS (22	
	OVERALL LEVEL	
MOH	.138 In/Sec	
MOP	.138 G-s	
MOV	.157 In/Sec	.073 G-s
MIH	.173 In/Sec	
MIP	.383 G-s	.510 0 5
MIV	.162 In/Sec	120 C-s
MIA	.094 In/Sec	
MIA	.094 III/Sec	.170 G-S
сты с	- Cooling Tower Fan 6 LS (22	-Marr-24)
CIMO TO	OVERALL LEVEL	-May-24)
мон	.115 In/Sec	.225 G-s
МОН	.115 In/Sec	.225 G-S
MOP	.105 G-s	.== -
VOM	.100 In/Sec	
MIH	.109 In/Sec	.321 G-s
MIP	.087 G-s	
MIV	.105 In/Sec	.072 G-s
	094 Tn/Sec	
MIA	.031 111,000	.148 G-s
	- Circ Water Pump 1A (15	-Apr-25)
3CW-P-001	- Circ Water Pump 1A (15 OVERALL LEVEL	-Apr-25) 1K-20kHz
3CW-P-001	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec	-Apr-25) 1K-20kHz
3CW-P-001 MOH MOP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s	-Apr-25) 1K-20kHz .114 G-s
3CW-P-001 MOH MOP MOV	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec	-Apr-25) 1K-20kHz .114 G-s
3CW-P-001 MOH MOP MOV MIH	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec	-Apr-25) 1K-20kHz .114 G-s
3CW-P-001 MOH MOP MOV MIH MIP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s
3CW-P-001 MOH MOP MOV MIH MIP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s -Apr-25) 1K-20kHz
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s -Apr-25) 1K-20kHz
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s -Apr-25) 1K-20kHz .309 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s -Apr-25) 1K-20kHz .309 G-s .105 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s -Apr-25) 1K-20kHz .309 G-s .105 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s -Apr-25) 1K-20kHz .309 G-s .105 G-s .155 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .4pr-25) 1K-20kHz .309 G-s .105 G-s .155 G-s .200 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .4pr-25) 1K-20kHz .309 G-s .105 G-s .155 G-s .200 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec .044 In/Sec	1-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158-20kHz .309 G-s .105 G-s .155 G-s .200 G-s .185 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec .044 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158-20kHz .309 G-s .105 G-s .155 G-s .200 G-s .185 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec .044 In/Sec	1-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec .044 In/Sec .044 In/Sec .053 In/Sec	1-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIA LFAA2	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .148 G-s .229 In/Sec .148 G-s .229 In/Sec .064 G-s .081 In/Sec .064 G-s .081 In/Sec .044 In/Sec .044 In/Sec .053 In/Sec .482 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s .185 G-s .185 G-s .715 G-s .715 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIA LFAA2 MOH	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec - Circ Water Pump 1B (15 OVERALL LEVEL .347 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec .044 In/Sec .044 In/Sec .053 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s .185 G-s .185 G-s .715 G-s .715 G-s
3CW-P-001 MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIA LFAA2 MOH MOP	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .148 G-s .229 In/Sec .148 G-s .229 In/Sec .064 G-s .081 In/Sec .064 G-s .081 In/Sec .044 In/Sec .044 In/Sec .053 In/Sec .482 G-s	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s .715 G-s .715 G-s .715 G-s
MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIA LFAA2 MOH MOP MOV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .148 G-s .229 In/Sec .148 G-s .229 In/Sec .064 G-s .081 In/Sec .064 G-s .081 In/Sec .044 In/Sec .148 G-s .081 In/Sec .044 In/Sec .044 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s .715 G-s .715 G-s .715 G-s
MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIA LFAA2 MOH MOP MOV MIH MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .148 G-s .229 In/Sec .148 G-s .229 In/Sec .064 G-s .081 In/Sec .064 G-s .081 In/Sec .044 In/Sec .482 G-s .044 In/Sec .056 In/Sec	-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s .158 G-s .276 G-s .155 G-s .105 G-s .155 G-s .105 G-s .155 G-s .200 G-s .185 G-s .715 G-s .715 G-s .715 G-s
MOH MOP MOV MIH MIP MIV MIA 3CW-P-002 MOH MOP MOV MIH MIP MIV MIA LFAA2 MOH MOP MOV MIH MIP MIV MIA	- Circ Water Pump 1A (15 OVERALL LEVEL .105 In/Sec .067 G-s .133 In/Sec .050 In/Sec .064 G-s .032 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .148 G-s .229 In/Sec .148 G-s .229 In/Sec .262 In/Sec .064 G-s .081 In/Sec .064 G-s .081 In/Sec .044 In/Sec .482 G-s .044 In/Sec .056 In/Sec .607 G-s	I-Apr-25) 1K-20kHz .114 G-s .086 G-s .122 G-s .158 G-s .276 G-s I-Apr-25) 1K-20kHz .309 G-s .105 G-s .155 G-s .200 G-s .185 G-s .200 G-s .185 G-s .715 G-s .715 G-s .790 G-s .881 G-s

	OVERALL LEVEL	1K-20KHz
PIH	.012 In/Sec	.140 G-s
PIP	.079 G-s	
PIV	.012 In/Sec	.215 G-s
PIA	.016 In/Sec	.740 G-s

Area: UNIT 1

Area: UNIT 1		
MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
LP #1 - LP recirc unit		-Apr-25)
	OVERALL LEVEL	1K-20kHz
MOH	.104 In/Sec	.549 G-s
MOP	.127 G-s	
MOV	.231 In/Sec	
MIH	.072 In/Sec	.907 G-s
MIP	.456 G-s .270 In/Sec	F44 G =
MIV	.270 In/Sec .422 In/Sec	
MIA	.422 In/Sec	.457 G-s
PIH	OVERALL LEVEL .897 In/Sec	573 G-s
PIP	.365 G-s	.575 G S
PIV	1.699 In/Sec	.315 G-s
POH	.257 In/Sec	
POP	.274 G-s	
POV	.720 In/Sec	.374 G-s
POA	1.014 In/Sec	.746 G-s
1FD-P-001A - Boiler Feed Wat	er 1A (15-	-Apr-25)
	OVERALL LEVEL .040 In/Sec	1K-20KHz
MOH	.040 In/Sec	.181 G-s
MOP	.134 G-s	
MOV	.048 In/Sec	.260 G-s
MIH	.046 In/Sec	.160 G-s
MIP	.094 G-s	
MIV	.148 In/Sec	.446 G-s
MIA	.190 In/Sec OVERALL LEVEL	.562 G-s
NTA		
NIA	.068 In/Sec .111 In/Sec .055 In/Sec	.415 G-S
NIV NIV	.055 In/Sec	.406 G-s .450 G-s
NOV	.055 In/Sec	.430 G-s
NOH	.106 In/Sec	
NOA	.056 In/Sec	.274 G-s .226 G-s
	OVERALL LEVEL	
BFA	.042 In/Sec	.130 G-s
PIH	.097 In/Sec	.273 G-s
PIV	.042 In/Sec .097 In/Sec .114 In/Sec	.200 G-s
POV	.103 In/Sec	.115 G-s
POH	.154 In/Sec	.089 G-s
CT2 - CT Lube Oil Pum	-	-Apr-25)
WOT	OVERALL LEVEL	1K-20kHz
MOH	.076 In/Sec	.421 G-s
MOP	.077 G-s	4F1 C =
MOV	.079 In/Sec	.451 G-s
MIH	.082 In/Sec .085 G-s	.892 G-s
MIP MIV	.085 G-S .061 In/Sec	.303 G-s
MIA	.048 In/Sec	.339 G-s
MIA	.046 III/Sec	.339 G-S
CTHYD !1 - CT Hyd Pump 2	(15-	-Apr-25)
	OVERALL LEVEL	1K-20kHz
MOH	.063 In/Sec	.370 G-s
MOP	.140 G-s	
MOV	.274 In/Sec	.433 G-s
MIH	.049 In/Sec	.883 G-s
MIP	.449 G-s	

MIV	.060 In/Sec	.448	G-s
MIA	.046 In/Sec	.501	G-s

Area: UNIT 2

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
LP #2 - LP recirc unit	#2 (15	5-Apr-25)
	OVERALL LEVEL	
MOH	.117 In/Sec	.639 G-s
MOP	.110 G-s	
MOV	.065 In/Sec	.771 G-s
MIH	.120 In/Sec	1.207 G-s
MIP	.547 G-s	1 100 0
MIV	.078 In/Sec .179 In/Sec	1.109 G-s
MIA		
	OVERALL LEVEL	1 110 C a
PIH PIP	.156 In/Sec .700 G-s	1.110 G-S
PIV	.123 In/Sec	895 C-e
POH	.112 In/Sec	
POP	.633 G-s	1.033 6 5
POV	.141 In/Sec	1.217 G-s
	.129 In/Sec	
2FD-P-002B - Boiler Feed Wat		
	OVERALL LEVEL	1K-20KHz
МОН	.023 In/Sec	.258 G-s
MOP	.165 G-s	
VOM	.067 In/Sec	
MIH	.055 In/Sec	.252 G-s
MIP	.148 G-s	
MIV	.038 In/Sec	.569 G-s
MIA	.035 In/Sec	.775 G-s
	OVERALL LEVEL	1K-20kHz
NIA	.068 In/Sec	.264 G-s
NIH	.051 In/Sec	.414 G-s
NIV	.041 In/Sec .028 In/Sec	.276 G-s .113 G-s
NOV		
NOH NOA	.028 In/Sec	.180 G-S
NOA	.057 In/Sec OVERALL LEVEL	.245 G-S
BFA	.020 In/Sec	.111 G-s
PIH	.039 In/Sec	
PIV	055 Tn/Sec	157 C-e
POV	.072 In/Sec	.096 G-s
POH	.053 In/Sec	.099 G-s
CT1 - CT Lube Oil Pun		5-Apr-25)
	OVERALL LEVEL	
МОН	.065 In/Sec	.524 G-s
MOP	.172 G-s	
MOV	.043 In/Sec	.097 G-s
MIH	.071 In/Sec	.148 G-s
MIP	.049 G-s	205 6
MIV	.057 In/Sec	.307 G-s
MIA	.153 In/Sec	.625 G-s
CTHYD ! - CT Hyd Pump 1	(15	5-Apr-25)
1	OVERALL LEVEL	1K-20kHz
МОН	.087 In/Sec	.940 G-s
MOP	.396 G-s	
MOV	.096 In/Sec	1.117 G-s
MIH	.069 In/Sec	.799 G-s
MIP	.382 G-s	
MIV	.082 In/Sec	1.741 G-s
MIA	.067 In/Sec	.820 G-s

ABF - Aux Boiler		5-Apr-25)
	OVERALL LEVEL	1K-20kHz
MOH	.212 In/Sec	2.899 G-s
MOP	.145 G-s	
MOV	.257 In/Sec	2.139 G-s
MIH	.061 In/Sec	.716 G-s
MIP	.414 G-s	
MIV	.067 In/Sec .110 In/Sec	.761 G-s
MIA	.110 In/Sec	.199 G-s
Area: UNIT	STEAM TURBINE	
MEAGUDEMENT DOTNIT	OVERALI LEVEL	neo / meo
MEASUREMENT POINT	OVERALL LEVEL	
3CW-P-004 - CCW Booster		o-·
3CW-P-004 - CCW Booster		
	OVERALL LEVEL	1K-20kHz
MOH	.085 In/Sec	.277 G-s
MOP	.072 G-s	250 0 -
MOV	.055 In/Sec .051 In/Sec	.358 G-S
MIH		.241 G-S
MIP	.143 G-s	002 G
MIV	.061 In/Sec	.203 G-S
MIA	.088 In/Sec OVERALL LEVEL	.204 G-S
DTII	OVERALL LEVEL	1K-2UKHZ
PIH	.081 In/Sec	.286 G-S
PIP	.150 G-s	244 0 -
PIV	.051 In/Sec	.344 G-S
PIA	.118 In/Sec	.484 G-S
OCC-P-001 - CLosed Cool:	ing Water 1 (1	5-Apr-25)
	OVERALL LEVEL	
MOH	.062 In/Sec	.393 G-s
MOP	.141 G-s	
MOV	.061 In/Sec .059 In/Sec	.906 G-s
MIH		.674 G-s
MIP	.300 G-s	
MIV	.058 In/Sec	.738 G-s
MIA	.039 In/Sec	.633 G-s
	OVERALL LEVEL	1K-20KHz
PIH	.041 In/Sec	.629 G-s
PIP	.318 G-s	
PIV	.048 In/Sec	
POH	.095 In/Sec	.765 G-s

MIP			.300	G-s	
MIV			.058	In/Sec	.738 G-s
MIA			.039	In/Sec	.633 G-s
			OVERAI	LL LEVEL	1K-20KHz
PIH			.041	In/Sec	.629 G-s
PIP			.318	G-s	
PIV			.048	In/Sec	.431 G-s
POH			.095	In/Sec	.765 G-s
POP			.182	G-s	
POV			.058	In/Sec	.945 G-s
POA			.067	In/Sec	.897 G-s
	_				
3CH-P-001A	- Condensate	Pump			(15-Apr-25)
					1K-20kHz
MOH				In/Sec	.370 G-s
MOP			.107		
VOM				•	.516 G-s
MIH				In/Sec	.215 G-s
MIP			.090		
MIV				In/Sec	
MIA			.028	In/Sec	.322 G-s
3CH-P-001	- Condensate	Pump	В		(15-Apr-25)
	0011401104104			LL LEVEL	•
мон				In/Sec	
MOP			.130	•	
MOV			.039	In/Sec	.337 G-s
MIH			.035	In/Sec	.445 G-s
MIP			.114		
MIV			.031	In/Sec	.454 G-s
MIA			.047	In/Sec	.588 G-s

3AE-P-001	- Vacuum	Pump	1		(15-Apr-25))
		_	OVERA	LL LEVEL	1K-20	cHz
MOH					.456	
MOP			.114	G-s		
MOV			.118	In/Sec	. 659	G-s
MIH			.097	In/Sec	. 678	G-s
MIP			.140	G-s		
MIV			.127	In/Sec	.348	G-s
MIA			.124	In/Sec	.394	G-s
			OVERA	LL LEVEL	1K-20I	ΚHz
PIH			.105	In/Sec	.436	G-s
PIP			.348	G-s		
PIV			.208	In/Sec	. 455	G-s
POH			.086	In/Sec	.322	G-s
POP			.212	G-s		
POV			.146	In/Sec	.248	G-s
POA			.085	In/Sec	.394	G-s
STG2	- STG L11	he Oil	Piimro 2		(15-Apr-25)	,
0102	510 10	DC 011	_		1K-20	
мон				In/Sec		
MOP			.102	•		
MOV					.454	G-s
MIH				In/Sec		
MIP			.154	G-s		
MIV			.096	In/Sec	.543	G-s
MIA				In/Sec		

Area: WATER PUMPS AND VACUUM PUMPS

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
OSW-P-001B - Service Wat	ter Dumn 1B (1	5-Anr-25)
OSW F COID SELVICE WAY	OVERALL LEVEL	-
MOH	.465 In/Sec	.123 G-s
MOP	.033 G-s	
MOV	.197 In/Sec	.302 G-s
MIH	.468 In/Sec	.128 G-s
MIP	.032 G-s	
MIV	.128 In/Sec	.288 G-s
MIA	.229 In/Sec	.310 G-s
	OVERALL LEVEL	1K-20KHz
PIH	.544 In/Sec	1.266 G-s
PIP	.828 G-s	
PIV	.372 In/Sec	1.203 G-s
POH	.352 In/Sec	.738 G-s
POP	.430 G-s	
POV	.384 In/Sec	1.114 G-s
POA	.372 In/Sec	1.065 G-s

Clarification Of Vibration Units:

Acc --> G-s RMS Vel --> In/Sec PK As always, it has been a pleasure to serve AECI Dell Power Plant. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

Kevin W. Mozewell



Senior Reliability Specialist

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