



MILLINGTON, TN

December 11, 2019

AECI Dell Power

Subject: December vibration service

Most of the machines surveyed were found to be in good condition with the exception of the following:

QualiTest® uses a four step rating system for defects.

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

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

Class III: 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.

Class IV: 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.

This completes our assessment of your equipment for this survey. Thank you for your business and don't hesitate to call if you have any comments or questions.

Sincerely,

David W. Shook
Senior Reliability Specialist
Hi-Speed Industrial Service
dshook@gohispeed.com

Detailed Defects

Cooling Tower Fan 8 Motor

A 15 Hz vibration dominates the motor axial measurement. This is the largest vibration in the Cooling Tower, and is thought to be related to blade pass. We recommend a thorough inspection of the motor gearbox drive train, including all fasteners, couplings and the alignment. **Rated a Class III Defect.**

Circulating Water Pump 1

The motor vibration has dropped after replacement. We will keep a close eye on it in the near future. Not Rated.

Observations

Cooling Tower Fan Motor 9

The data still shows the motor vibrations are elevated for several measurements at near or above 0.40"/sec velocity peak overall. They have mostly increased after the tower rebuild. Inspect the unit for defects associated with the fan and drive train. Inspect the structure and fasteners. Have the alignment checked. **Rated a Class II Defect.**

Cooling Tower Fan Motors

Vibration data for most of the cooling tower fan motors show a rotor bar vibration; for which the amplitude is low and not a concern to the continued health of the motor at this time. No actions are warranted **Rated a Class I Defect.**

Vacuum Pump 1

The unit pump vibrations have dropped to around 0.37"/sec velocity peak max. This unit seems to be an issue when both pumps are running; allowing the pump to cavitate, which will cause undue wear in the unit. **Rated a Class I Defect.**

STG Condensate Pump C

Data still shows a clean 3x RPM vibration modulating the shaft speed fundamental of about the same amplitude the 3x RPM vibration has not changed much recently. Ensure the pump is running near BOP. Inspect the pump coupling and shaft as time allows. **Rated a Class 1 Defect.**

STG Hydraulic Pump 1 (Left unit)

Vibration data this month shows a large decrease in pump passing harmonic vibrations. We could have caught the unit cycling last month; which will normally increase the amplitudes.

Non-rated this month.

Abbreviated Last Measurement Summary

Database: AECI Dell Power Plant.rbm
Area: Cooling Tower
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT -----	OVERALL LEVEL -----	HFD / VHFD -----
CTW1 - Cooling Tower Fan 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.259 In/Sec	1.410 G-s
MOP - Motor Outboard Horz Peakvue	.277 G-s	
MOV - Motor Outboard Vertical	.174 In/Sec	.718 G-s
MIH - Motor Inboard Horizontal	.217 In/Sec	.474 G-s
MIP - Motor Inboard Horz Peakvue	.229 G-s	
MIV - Motor Inboard Vertical	.195 In/Sec	.545 G-s
MIA - Motor Inboard Axial	.250 In/Sec	.644 G-s
CTW2 - Cooling Tower Fan 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.331 In/Sec	1.734 G-s
MOP - Motor Outboard Horz Peakvue	.115 G-s	
MOV - Motor Outboard Vertical	.211 In/Sec	1.046 G-s
MIH - Motor Inboard Horizontal	.215 In/Sec	3.240 G-s
MIP - Motor Inboard Horz Peakvue	1.397 G-s	
MIV - Motor Inboard Vertical	.160 In/Sec	.725 G-s
MIA - Motor Inboard Axial	.274 In/Sec	.509 G-s
CTW3 - Cooling Tower Fan 3	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.277 In/Sec	1.401 G-s
MOP - Motor Outboard Horz Peakvue	.038 G-s	
MOV - Motor Outboard Vertical	.264 In/Sec	.603 G-s
MIH - Motor Inboard Horizontal	.164 In/Sec	.297 G-s
MIP - Motor Inboard Horz Peakvue	.139 G-s	
MIV - Motor Inboard Vertical	.177 In/Sec	.456 G-s
MIA - Motor Inboard Axial	.355 In/Sec	.430 G-s
CTW4 - Cooling Tower Fan 4	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.244 In/Sec	1.721 G-s
MOP - Motor Outboard Horz Peakvue	.035 G-s	
MOV - Motor Outboard Vertical	.195 In/Sec	1.127 G-s
MIH - Motor Inboard Horizontal	.159 In/Sec	.396 G-s
MIP - Motor Inboard Horz Peakvue	.125 G-s	
MIV - Motor Inboard Vertical	.176 In/Sec	.276 G-s
MIA - Motor Inboard Axial	.262 In/Sec	.104 G-s
CTW5 - Cooling Tower Fan 5	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.273 In/Sec	.634 G-s
MOP - Motor Outboard Horz Peakvue	.047 G-s	

MOV - Motor Outboard Vertical	.217 In/Sec	.972 G-s
MIH - Motor Inboard Horizontal	.206 In/Sec	.667 G-s
MIP - Motor Inboard Horz Peakvue	.260 G-s	
MIV - Motor Inboard Vertical	.202 In/Sec	.514 G-s
MIA - Motor Inboard Axial	.376 In/Sec	1.365 G-s
CTW6 - Cooling Tower Fan 6	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.288 In/Sec	1.581 G-s
MOP - Motor Outboard Horz Peakvue	.142 G-s	
MOV - Motor Outboard Vertical	.267 In/Sec	1.181 G-s
MIH - Motor Inboard Horizontal	.190 In/Sec	.577 G-s
MIP - Motor Inboard Horz Peakvue	.174 G-s	
MIV - Motor Inboard Vertical	.244 In/Sec	.420 G-s
MIA - Motor Inboard Axial	.302 In/Sec	.272 G-s
CTW7 - Cooling Tower Fan 7	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.132 In/Sec	1.083 G-s
MOP - Motor Outboard Horz Peakvue	.208 G-s	
MOV - Motor Outboard Vertical	.375 In/Sec	1.125 G-s
MIH - Motor Inboard Horizontal	.149 In/Sec	.482 G-s
MIP - Motor Inboard Horz Peakvue	.167 G-s	
MIV - Motor Inboard Vertical	.236 In/Sec	.779 G-s
MIA - Motor Inboard Axial	.235 In/Sec	1.122 G-s
CTW8 - Cooling Tower Fan 8	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.403 In/Sec	2.847 G-s
MOP - Motor Outboard Horz Peakvue	.076 G-s	
MOV - Motor Outboard Vertical	.279 In/Sec	1.357 G-s
MIH - Motor Inboard Horizontal	.186 In/Sec	.782 G-s
MIP - Motor Inboard Horz Peakvue	.558 G-s	
MIV - Motor Inboard Vertical	.236 In/Sec	.609 G-s
MIA - Motor Inboard Axial	.581 In/Sec	.508 G-s
CTW9 - Cooling Tower Fan 9	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.442 In/Sec	2.923 G-s
MOP - Motor Outboard Horz Peakvue	.134 G-s	
MOV - Motor Outboard Vertical	.356 In/Sec	1.148 G-s
MIH - Motor Inboard Horizontal	.408 In/Sec	.835 G-s
MIP - Motor Inboard Horz Peakvue	.157 G-s	
MIV - Motor Inboard Vertical	.253 In/Sec	1.025 G-s
MIA - Motor Inboard Axial	.425 In/Sec	1.057 G-s
CTW10 - Cooling Tower Fan 10	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.361 In/Sec	1.718 G-s
MOP - Motor Outboard Horz Peakvue	.057 G-s	
MOV - Motor Outboard Vertical	.379 In/Sec	1.077 G-s
MIH - Motor Inboard Horizontal	.211 In/Sec	.336 G-s
MIP - Motor Inboard Horz Peakvue	.096 G-s	
MIV - Motor Inboard Vertical	.269 In/Sec	.742 G-s
MIA - Motor Inboard Axial	.350 In/Sec	.358 G-s
CTW11 - Cooling Tower Fan 11	(09-Dec-19)	

MOH - Motor Outboard Horizontal	OVERALL LEVEL	1K-20kHz
MOP - Motor Outboard Horz Peakvue	.301 In/Sec	2.031 G-s
MOV - Motor Outboard Vertical	.043 G-s	
MIH - Motor Inboard Horizontal	.246 In/Sec	2.894 G-s
MIP - Motor Inboard Horz Peakvue	.191 In/Sec	.562 G-s
MIV - Motor Inboard Vertical	.242 G-s	
MIA - Motor Inboard Axial	.144 In/Sec	1.797 G-s
	.239 In/Sec	3.311 G-s

CTW12 - Cooling Tower Fan 12

(09-Dec-19)

MOH - Motor Outboard Horizontal	OVERALL LEVEL	1K-20kHz
MOP - Motor Outboard Horz Peakvue	.241 In/Sec	.605 G-s
MOV - Motor Outboard Vertical	.180 G-s	
MIH - Motor Inboard Horizontal	.290 In/Sec	1.539 G-s
MIP - Motor Inboard Horz Peakvue	.229 In/Sec	.671 G-s
MIV - Motor Inboard Vertical	.146 G-s	
MIA - Motor Inboard Axial	.275 In/Sec	1.404 G-s
	.286 In/Sec	.312 G-s

3CW-P-001 - Circ Water Pump 1A

(09-Dec-19)

MOH - Motor Outboard Horizontal	OVERALL LEVEL	1K-20kHz
MOP - Motor Outboard Horz Peakvue	.313 In/Sec	.167 G-s
MOV - Motor Outboard Vertical	.077 G-s	
MIH - Motor Inboard Horizontal	.038 In/Sec	.241 G-s
MIP - Motor Inboard Horz Peakvue	.064 In/Sec	.087 G-s
MIV - Motor Inboard Vertical	.031 G-s	
MIA - Motor Inboard Axial	.037 In/Sec	.184 G-s
	.027 In/Sec	.369 G-s

3CW-P-002 - Circ Water Pump 1B

(09-Dec-19)

MOH - Motor Outboard Horizontal	OVERALL LEVEL	1K-20kHz
MOP - Motor Outboard Horz Peakvue	.426 In/Sec	.229 G-s
MOV - Motor Outboard Vertical	.110 G-s	
MIH - Motor Inboard Horizontal	.063 In/Sec	.277 G-s
MIP - Motor Inboard Horz Peakvue	.248 In/Sec	.253 G-s
MIV - Motor Inboard Vertical	.151 G-s	
MIA - Motor Inboard Axial	.036 In/Sec	.505 G-s
	.056 In/Sec	.672 G-s

LFAA1 - LFAA 1A

(09-Dec-19)

MOH - Motor Outboard Horizontal	OVERALL LEVEL	1K-20kHz
MOP - Motor Outboard Horz Peakvue	.165 In/Sec	.352 G-s
MOV - Motor Outboard Vertical	.188 G-s	
MIH - Motor Inboard Horizontal	.207 In/Sec	.241 G-s
MIP - Motor Inboard Horz Peakvue	.070 In/Sec	.179 G-s
MIV - Motor Inboard Vertical	.069 G-s	
MIA - Motor Inboard Axial	.092 In/Sec	.222 G-s
	.048 In/Sec	.267 G-s
PIH - Pump Inboard Horizontal	OVERALL LEVEL	1K-20kHz
PIP - Pump Inboard Horz Peakvue	.012 In/Sec	.063 G-s
	.019 G-s	

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK

Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm
Area: UNIT 1
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT -----	OVERALL LEVEL -----	HFD / VHFD -----
1FD-P-001A - Boiler Feed Water 1A	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.066 In/Sec	.446 G-s
MOP - Motor Outboard Horz Peakvue	.120 G-s	
MOV - Motor Outboard Vertical	.141 In/Sec	.701 G-s
MIH - Motor Inboard Horizontal	.065 In/Sec	.156 G-s
MIP - Motor Inboard Horz Peakvue	.063 G-s	
MIV - Motor Inboard Vertical	.152 In/Sec	.243 G-s
MIA - Motor Inboard Axial	.039 In/Sec	.272 G-s
	OVERALL LEVEL	1K-20kHz
NIA - NELSON INBOARD AXIAL	.131 In/Sec	.606 G-s
NIH - NELSON INBOARD HORIZONTAL	.116 In/Sec	.123 G-s
NIV - NELSON INBOARD VERTICAL	.060 In/Sec	.517 G-s
NOV - NELSON OUTBOARD VERTICAL	.097 In/Sec	.318 G-s
NOH - NELSON OUTBOARD HORIZONTAL	.109 In/Sec	.186 G-s
NOA - NELSON OUTBOARD AXIAL	.102 In/Sec	.661 G-s
	OVERALL LEVEL	1K-20KHz
BFA - BOILER FEEDWATER PUMP AXIAL	.054 In/Sec	.318 G-s
PIH - BFWP INBOARD HORIZONTAL	.052 In/Sec	.195 G-s
PIV - BFWP INBOARD VERTICAL	.068 In/Sec	.111 G-s
POV - BFWP OUTBOARD VERTICAL	.047 In/Sec	.106 G-s
POH - BFWP OUTBOARD HORIZONTAL	.082 In/Sec	.100 G-s
CT1 - CT Lube Oil Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.039 In/Sec	.139 G-s
MOP - Motor Outboard Horz Peakvue	.026 G-s	
MIH - Motor Inboard Horizontal	.039 In/Sec	.122 G-s
MIP - Motor Inboard Horz Peakvue	.023 G-s	
CTHYD ! - CT Hyd Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.260 In/Sec	.078 G-s
MOP - Motor Outboard Horz Peakvue	.0088 G-s	
MIH - Motor Inboard Horizontal	.046 In/Sec	.723 G-s
MIP - Motor Inboard Horz Peakvue	.161 G-s	
MIV - Motor Inboard Vertical	.071 In/Sec	.237 G-s
MIA - Motor Inboard Axial	.087 In/Sec	.484 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.150 In/Sec	.780 G-s
PIP - Pump Inboard Horz Peakvue	.235 G-s	

Clarification Of Vibration Units:

Acc	-->	G-s	RMS	
Vel	-->	In/Sec	PK	Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm
Area: UNIT 2
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT -----	OVERALL LEVEL -----	HFD / VHFD -----
LP #2 - LP recirc unit #2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.102 In/Sec	.256 G-s
MOP - Motor Outboard Horz Peakvue	.029 G-s	
MOV - Motor Outboard Vertical	.096 In/Sec	.083 G-s
MIH - Motor Inboard Horizontal	.124 In/Sec	.320 G-s
MIP - Motor Inboard Horz Peakvue	.073 G-s	
MIV - Motor Inboard Vertical	.125 In/Sec	.298 G-s
MIA - Motor Inboard Axial	.151 In/Sec	.133 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.219 In/Sec	.512 G-s
PIP - Pump Inboard Horz Peakvue	.037 G-s	
PIV - Pump Inboard Vertical	.114 In/Sec	.290 G-s
POH - Pump Outboard Horizontal	.059 In/Sec	.265 G-s
POP - Pump Outboard Horz Peakvue	.042 G-s	
POV - Pump Outboard Vertical	.132 In/Sec	.050 G-s
2FD-P-002B - Boiler Feed Water 2B	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.023 In/Sec	.161 G-s
MOP - Motor Outboard Horz Peakvue	.107 G-s	
MOV - Motor Outboard Vertical	.025 In/Sec	.334 G-s
MIH - Motor Inboard Horizontal	.024 In/Sec	.212 G-s
MIP - Motor Inboard Horz Peakvue	.085 G-s	
MIV - Motor Inboard Vertical	.024 In/Sec	.160 G-s
MIA - Motor Inboard Axial	.033 In/Sec	.298 G-s
	OVERALL LEVEL	1K-20kHz
NIA - NELSON INBOARD AXIAL	.142 In/Sec	.638 G-s
NIH - NELSON INBOARD HORIZONTAL	.077 In/Sec	.516 G-s
NIV - NELSON INBOARD VERTICAL	.095 In/Sec	.576 G-s
NOV - NELSON OUTBOARD VERTICAL	.107 In/Sec	.281 G-s
NOH - NELSON OUTBOARD HORIZONTAL	.087 In/Sec	.313 G-s
NOA - NELSON OUTBOARD AXIAL	.124 In/Sec	.633 G-s
	OVERALL LEVEL	1K-20KHz
BFA - BOILER FEEDWATER PUMP AXIAL	.050 In/Sec	.219 G-s
PIH - BFWP INBOARD HORIZONTAL	.055 In/Sec	.194 G-s
PIV - BFWP INBOARD VERTICAL	.056 In/Sec	.125 G-s
POV - BFWP OUTBOARD VERTICAL	.049 In/Sec	.114 G-s
POH - BFWP OUTBOARD HORIZONTAL	.086 In/Sec	.085 G-s
CT1 - CT Lube Oil Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.081 In/Sec	.148 G-s
MOP - Motor Outboard Horz Peakvue	.019 G-s	
MIH - Motor Inboard Horizontal	.040 In/Sec	.154 G-s
MIP - Motor Inboard Horz Peakvue	.017 G-s	
CTHYD !1 - CT Hyd Pump 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz

MOH - Motor Outboard Horizontal	.066 In/Sec	.233 G-s
MOP - Motor Outboard Horz Peakvue	.055 G-s	
MIH - Motor Inboard Horizontal	.043 In/Sec	.580 G-s
MIP - Motor Inboard Horz Peakvue	.104 G-s	
MIA - Motor Inboard Axial	.037 In/Sec	.805 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.070 In/Sec	1.042 G-s
PIP - Pump Inboard Horz Peakvue	.463 G-s	
PIV - Pump Inboard Vertical	.135 In/Sec	1.378 G-s
PIA - Pump Inboard Axial	.100 In/Sec	1.759 G-s

ABF - Aux Boiler Fan	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.221 In/Sec	.120 G-s
MOP - Motor Outboard Horz Peakvue	.019 G-s	
MOV - Motor Outboard Vertical	.261 In/Sec	.432 G-s
MIH - Motor Inboard Horizontal	.064 In/Sec	.305 G-s
MIP - Motor Inboard Horz Peakvue	.105 G-s	
MIV - Motor Inboard Vertical	.113 In/Sec	.317 G-s
MIA - Motor Inboard Axial	.155 In/Sec	.037 G-s

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK

Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm

Area: UNIT STEAM TURBINE

Report Date: 11-Dec-19 07:41

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
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3CW-P-003 - CCW Booster Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.086 In/Sec	.108 G-s
MOP - Motor Outboard Horz Peakvue	.012 G-s	
MOV - Motor Outboard Vertical	.060 In/Sec	.146 G-s
MIH - Motor Inboard Horizontal	.051 In/Sec	.086 G-s
MIP - Motor Inboard Horz Peakvue	.042 G-s	
MIV - Motor Inboard Vertical	.080 In/Sec	.076 G-s
MIA - Motor Inboard Axial	.086 In/Sec	.108 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.112 In/Sec	.099 G-s
PIP - Pump Inboard Horz Peakvue	.032 G-s	
PIV - Pump Inboard Vertical	.079 In/Sec	.133 G-s
PIA - Pump Inboard Axial	.097 In/Sec	.044 G-s
OCC-P-001 - CLOsed Cooling Water 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.104 In/Sec	.301 G-s
MOP - Motor Outboard Horz Peakvue	.075 G-s	
MOV - Motor Outboard Vertical	.039 In/Sec	.342 G-s
MIH - Motor Inboard Horizontal	.109 In/Sec	.601 G-s
MIP - Motor Inboard Horz Peakvue	.077 G-s	

MIV - Motor Inboard Vertical	.034 In/Sec	.378 G-s
MIA - Motor Inboard Axial	.039 In/Sec	.311 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.081 In/Sec	.251 G-s
PIP - Pump Inboard Horz Peakvue	.032 G-s	
POH - Pump Outboard Horizontal	.122 In/Sec	.378 G-s
POP - Pump Outboard Horz Peakvue	.084 G-s	
POV - Pump Outboard Vertical	.062 In/Sec	.404 G-s
POA - Pump Outboard Axial	.064 In/Sec	.503 G-s
3CH-P-001A - Condensate Pump A	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.145 In/Sec	.114 G-s
MOP - Motor Outboard Horz Peakvue	.038 G-s	
MOV - Motor Outboard Vertical	.149 In/Sec	.292 G-s
MIH - Motor Inboard Horizontal	.067 In/Sec	.273 G-s
MIP - Motor Inboard Horz Peakvue	.111 G-s	
MIV - Motor Inboard Vertical	.052 In/Sec	.272 G-s
MIA - Motor Inboard Axial	.045 In/Sec	.344 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.032 In/Sec	.590 G-s
PIP - Pump Inboard Horz Peakvue	.300 G-s	
3CH-P-001C - Condensate PumpC	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.272 In/Sec	.171 G-s
MOP - Motor Outboard Horz Peakvue	.056 G-s	
MOV - Motor Outboard Vertical	.337 In/Sec	.198 G-s
MIH - Motor Inboard Horizontal	.154 In/Sec	.361 G-s
MIP - Motor Inboard Horz Peakvue	.091 G-s	
MIV - Motor Inboard Vertical	.133 In/Sec	.243 G-s
MIA - Motor Inboard Axial	.080 In/Sec	.182 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.039 In/Sec	.431 G-s
PIP - Pump Inboard Horz Peakvue	.201 G-s	
3AE-P-002 - Vacuum Pump 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.085 In/Sec	.651 G-s
MOP - Motor Outboard Horz Peakvue	.262 G-s	
MOV - Motor Outboard Vertical	.088 In/Sec	.389 G-s
MIH - Motor Inboard Horizontal	.092 In/Sec	.130 G-s
MIP - Motor Inboard Horz Peakvue	.056 G-s	
MIV - Motor Inboard Vertical	.127 In/Sec	.466 G-s
MIA - Motor Inboard Axial	.106 In/Sec	.202 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.127 In/Sec	.297 G-s
PIP - Pump Inboard Horz Peakvue	.227 G-s	
PIV - Pump Inboard Vertical	.149 In/Sec	.341 G-s
POH - Pump Outboard Horizontal	.112 In/Sec	.200 G-s
POP - Pump Outboard Horz Peakvue	.124 G-s	
POV - Pump Outboard Vertical	.122 In/Sec	.324 G-s
POA - Pump Outboard Axial	.121 In/Sec	.133 G-s
3AE-P-001 - Vacuum Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.138 In/Sec	.488 G-s

MOP - Motor Outboard Horz Peakvue	.129 G-s	
MOV - Motor Outboard Vertical	.136 In/Sec	.468 G-s
MIH - Motor Inboard Horizontal	.150 In/Sec	.248 G-s
MIP - Motor Inboard Horz Peakvue	.089 G-s	
MIV - Motor Inboard Vertical	.286 In/Sec	.427 G-s
MIA - Motor Inboard Axial	.270 In/Sec	.175 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.201 In/Sec	.866 G-s
PIP - Pump Inboard Horz Peakvue	.608 G-s	
PIV - Pump Inboard Vertical	.282 In/Sec	.788 G-s
POH - Pump Outboard Horizontal	.214 In/Sec	.747 G-s
POP - Pump Outboard Horz Peakvue	.678 G-s	
POV - Pump Outboard Vertical	.376 In/Sec	.997 G-s
POA - Pump Outboard Axial	.176 In/Sec	1.150 G-s

STG2 - STG Lube Oil Pump 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.077 In/Sec	.147 G-s
MOP - Motor Outboard Horz Peakvue	.055 G-s	
MOV - Motor Outboard Vertical	.061 In/Sec	.145 G-s
MIH - Motor Inboard Horizontal	.053 In/Sec	.110 G-s
MIP - Motor Inboard Horz Peakvue	.019 G-s	
MIV - Motor Inboard Vertical	.047 In/Sec	.117 G-s
MIA - Motor Inboard Axial	.084 In/Sec	.144 G-s

STGHyd1 - STG Hyd Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.067 In/Sec	.207 G-s
MOP - Motor Outboard Horz Peakvue	.066 G-s	
MOV - Motor Outboard Vertical	.084 In/Sec	.226 G-s
MIH - Motor Inboard Horizontal	.068 In/Sec	.397 G-s
MIP - Motor Inboard Horz Peakvue	.156 G-s	
MIV - Motor Inboard Vertical	.088 In/Sec	.393 G-s
MIA - Motor Inboard Axial	.068 In/Sec	.156 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.077 In/Sec	.426 G-s
PIP - Pump Inboard Horz Peakvue	.141 G-s	
PIV - Pump Inboard Vertical	.179 In/Sec	.527 G-s
PIA - Pump Inboard Axial	.307 In/Sec	.888 G-s

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK

Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm
Area: WATER PUMPS AND VACUUM PUMPS
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
-----	-----	-----
OSW-P-001B - Service Water Pump 1B	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.214 In/Sec	.165 G-s

MOP - Motor Outboard Horz Peakvue	.013 G-s	
MOV - Motor Outboard Vertical	.078 In/Sec	.305 G-s
MIH - Motor Inboard Horizontal	.251 In/Sec	.141 G-s
MIP - Motor Inboard Horz Peakvue	.046 G-s	
MIV - Motor Inboard Vertical	.060 In/Sec	.075 G-s
MIA - Motor Inboard Axial	.108 In/Sec	.446 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.188 In/Sec	.958 G-s
PIP - Pump Inboard Horz Peakvue	.471 G-s	
PIV - Pump Inboard Vertical	.168 In/Sec	1.150 G-s
POH - Pump Outboard Horizontal	.196 In/Sec	.849 G-s
POP - Pump Outboard Horz Peakvue	.331 G-s	
POV - Pump Outboard Vertical	.212 In/Sec	1.481 G-s
POA - Pump Outboard Axial	.160 In/Sec	2.261 G-s

ORW-P-001B - Deep Well Pump B	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.111 In/Sec	.095 G-s
MOP - Motor Outboard Horz Peakvue	.0090 G-s	
MOV - Motor Outboard Vertical	.070 In/Sec	.060 G-s
MIH - Motor Inboard Horizontal	.038 In/Sec	.012 G-s
MIP - Motor Inboard Horz Peakvue	.0041 G-s	
MIV - Motor Inboard Vertical	.037 In/Sec	.056 G-s
MIA - Motor Inboard Axial	.064 In/Sec	.128 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.028 In/Sec	.032 G-s
PIP - Pump Inboard Horz Peakvue	.0085 G-s	

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK

Abbreviated Last Measurement

Summary

Abbreviated Last Measurement Summary

Database: AECI Dell Power Plant.rbm
Area: Coooling Tower
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
-----	-----	-----
CTW1 - Cooling Tower Fan 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.259 In/Sec	1.410 G-s
MOP - Motor Outboard Horz Peakvue	.277 G-s	
MOV - Motor Outboard Vertical	.174 In/Sec	.718 G-s
MIH - Motor Inboard Horizontal	.217 In/Sec	.474 G-s
MIP - Motor Inboard Horz Peakvue	.229 G-s	
MIV - Motor Inboard Vertical	.195 In/Sec	.545 G-s
MIA - Motor Inboard Axial	.250 In/Sec	.644 G-s
CTW2 - Cooling Tower Fan 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz

MOH - Motor Outboard Horizontal	.331 In/Sec	1.734 G-s
MOP - Motor Outboard Horz Peakvue	.115 G-s	
MOV - Motor Outboard Vertical	.211 In/Sec	1.046 G-s
MIH - Motor Inboard Horizontal	.215 In/Sec	3.240 G-s
MIP - Motor Inboard Horz Peakvue	1.397 G-s	
MIV - Motor Inboard Vertical	.160 In/Sec	.725 G-s
MIA - Motor Inboard Axial	.274 In/Sec	.509 G-s
CTW3 - Cooling Tower Fan 3	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.277 In/Sec	1.401 G-s
MOP - Motor Outboard Horz Peakvue	.038 G-s	
MOV - Motor Outboard Vertical	.264 In/Sec	.603 G-s
MIH - Motor Inboard Horizontal	.164 In/Sec	.297 G-s
MIP - Motor Inboard Horz Peakvue	.139 G-s	
MIV - Motor Inboard Vertical	.177 In/Sec	.456 G-s
MIA - Motor Inboard Axial	.355 In/Sec	.430 G-s
CTW4 - Cooling Tower Fan 4	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.244 In/Sec	1.721 G-s
MOP - Motor Outboard Horz Peakvue	.035 G-s	
MOV - Motor Outboard Vertical	.195 In/Sec	1.127 G-s
MIH - Motor Inboard Horizontal	.159 In/Sec	.396 G-s
MIP - Motor Inboard Horz Peakvue	.125 G-s	
MIV - Motor Inboard Vertical	.176 In/Sec	.276 G-s
MIA - Motor Inboard Axial	.262 In/Sec	.104 G-s
CTW5 - Cooling Tower Fan 5	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.273 In/Sec	.634 G-s
MOP - Motor Outboard Horz Peakvue	.047 G-s	
MOV - Motor Outboard Vertical	.217 In/Sec	.972 G-s
MIH - Motor Inboard Horizontal	.206 In/Sec	.667 G-s
MIP - Motor Inboard Horz Peakvue	.260 G-s	
MIV - Motor Inboard Vertical	.202 In/Sec	.514 G-s
MIA - Motor Inboard Axial	.376 In/Sec	1.365 G-s
CTW6 - Cooling Tower Fan 6	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.288 In/Sec	1.581 G-s
MOP - Motor Outboard Horz Peakvue	.142 G-s	
MOV - Motor Outboard Vertical	.267 In/Sec	1.181 G-s
MIH - Motor Inboard Horizontal	.190 In/Sec	.577 G-s
MIP - Motor Inboard Horz Peakvue	.174 G-s	
MIV - Motor Inboard Vertical	.244 In/Sec	.420 G-s
MIA - Motor Inboard Axial	.302 In/Sec	.272 G-s
CTW7 - Cooling Tower Fan 7	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.132 In/Sec	1.083 G-s
MOP - Motor Outboard Horz Peakvue	.208 G-s	
MOV - Motor Outboard Vertical	.375 In/Sec	1.125 G-s
MIH - Motor Inboard Horizontal	.149 In/Sec	.482 G-s
MIP - Motor Inboard Horz Peakvue	.167 G-s	
MIV - Motor Inboard Vertical	.236 In/Sec	.779 G-s
MIA - Motor Inboard Axial	.235 In/Sec	1.122 G-s

CTW8	- Cooling Tower Fan 8	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.403 In/Sec	2.847 G-s
MOP - Motor Outboard Horz Peakvue		.076 G-s	
MOV - Motor Outboard Vertical		.279 In/Sec	1.357 G-s
MIH - Motor Inboard Horizontal		.186 In/Sec	.782 G-s
MIP - Motor Inboard Horz Peakvue		.558 G-s	
MIV - Motor Inboard Vertical		.236 In/Sec	.609 G-s
MIA - Motor Inboard Axial		.581 In/Sec	.508 G-s
CTW9	- Cooling Tower Fan 9	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.442 In/Sec	2.923 G-s
MOP - Motor Outboard Horz Peakvue		.134 G-s	
MOV - Motor Outboard Vertical		.356 In/Sec	1.148 G-s
MIH - Motor Inboard Horizontal		.408 In/Sec	.835 G-s
MIP - Motor Inboard Horz Peakvue		.157 G-s	
MIV - Motor Inboard Vertical		.253 In/Sec	1.025 G-s
MIA - Motor Inboard Axial		.425 In/Sec	1.057 G-s
CTW10	- Cooling Tower Fan 10	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.361 In/Sec	1.718 G-s
MOP - Motor Outboard Horz Peakvue		.057 G-s	
MOV - Motor Outboard Vertical		.379 In/Sec	1.077 G-s
MIH - Motor Inboard Horizontal		.211 In/Sec	.336 G-s
MIP - Motor Inboard Horz Peakvue		.096 G-s	
MIV - Motor Inboard Vertical		.269 In/Sec	.742 G-s
MIA - Motor Inboard Axial		.350 In/Sec	.358 G-s
CTW11	- Cooling Tower Fan 11	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.301 In/Sec	2.031 G-s
MOP - Motor Outboard Horz Peakvue		.043 G-s	
MOV - Motor Outboard Vertical		.246 In/Sec	2.894 G-s
MIH - Motor Inboard Horizontal		.191 In/Sec	.562 G-s
MIP - Motor Inboard Horz Peakvue		.242 G-s	
MIV - Motor Inboard Vertical		.144 In/Sec	1.797 G-s
MIA - Motor Inboard Axial		.239 In/Sec	3.311 G-s
CTW12	- Cooling Tower Fan 12	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.241 In/Sec	.605 G-s
MOP - Motor Outboard Horz Peakvue		.180 G-s	
MOV - Motor Outboard Vertical		.290 In/Sec	1.539 G-s
MIH - Motor Inboard Horizontal		.229 In/Sec	.671 G-s
MIP - Motor Inboard Horz Peakvue		.146 G-s	
MIV - Motor Inboard Vertical		.275 In/Sec	1.404 G-s
MIA - Motor Inboard Axial		.286 In/Sec	.312 G-s
3CW-P-001	- Circ Water Pump 1A	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.313 In/Sec	.167 G-s
MOP - Motor Outboard Horz Peakvue		.077 G-s	
MOV - Motor Outboard Vertical		.038 In/Sec	.241 G-s
MIH - Motor Inboard Horizontal		.064 In/Sec	.087 G-s

MIP - Motor Inboard Horz Peakvue	.031 G-s	
MIV - Motor Inboard Vertical	.037 In/Sec	.184 G-s
MIA - Motor Inboard Axial	.027 In/Sec	.369 G-s

3CW-P-002 - Circ Water Pump 1B	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.426 In/Sec	.229 G-s
MOP - Motor Outboard Horz Peakvue	.110 G-s	
MOV - Motor Outboard Vertical	.063 In/Sec	.277 G-s
MIH - Motor Inboard Horizontal	.248 In/Sec	.253 G-s
MIP - Motor Inboard Horz Peakvue	.151 G-s	
MIV - Motor Inboard Vertical	.036 In/Sec	.505 G-s
MIA - Motor Inboard Axial	.056 In/Sec	.672 G-s

LFAA1 - LFAA 1A	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.165 In/Sec	.352 G-s
MOP - Motor Outboard Horz Peakvue	.188 G-s	
MOV - Motor Outboard Vertical	.207 In/Sec	.241 G-s
MIH - Motor Inboard Horizontal	.070 In/Sec	.179 G-s
MIP - Motor Inboard Horz Peakvue	.069 G-s	
MIV - Motor Inboard Vertical	.092 In/Sec	.222 G-s
MIA - Motor Inboard Axial	.048 In/Sec	.267 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.012 In/Sec	.063 G-s
PIP - Pump Inboard Horz Peakvue	.019 G-s	

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK

Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm
Area: UNIT 1
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
-----	-----	-----
1FD-P-001A - Boiler Feed Water 1A	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.066 In/Sec	.446 G-s
MOP - Motor Outboard Horz Peakvue	.120 G-s	
MOV - Motor Outboard Vertical	.141 In/Sec	.701 G-s
MIH - Motor Inboard Horizontal	.065 In/Sec	.156 G-s
MIP - Motor Inboard Horz Peakvue	.063 G-s	
MIV - Motor Inboard Vertical	.152 In/Sec	.243 G-s
MIA - Motor Inboard Axial	.039 In/Sec	.272 G-s
	OVERALL LEVEL	1K-20kHz
NIA - NELSON INBOARD AXIAL	.131 In/Sec	.606 G-s
NIH - NELSON INBOARD HORIZONTAL	.116 In/Sec	.123 G-s
NIV - NELSON INBOARD VERTICAL	.060 In/Sec	.517 G-s
NOV - NELSON OUTBOARD VERTICAL	.097 In/Sec	.318 G-s
NOH - NELSON OUTBOARD HORIZONTAL	.109 In/Sec	.186 G-s
NOA - NELSON OUTBOARD AXIAL	.102 In/Sec	.661 G-s

BFA - BOILER FEEDWATER PUMP AXIAL	OVERALL LEVEL	1K-20KHz
PIH - BFWP INBOARD HORIZONTAL	.054 In/Sec	.318 G-s
PIV - BFWP INBOARD VERTICAL	.052 In/Sec	.195 G-s
POV - BFWP OUTBOARD VERTICAL	.068 In/Sec	.111 G-s
POH - BFWP OUTBOARD HORIZONTAL	.047 In/Sec	.106 G-s
	.082 In/Sec	.100 G-s

CT1 - CT Lube Oil Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.039 In/Sec	.139 G-s
MOP - Motor Outboard Horz Peakvue	.026 G-s	
MIH - Motor Inboard Horizontal	.039 In/Sec	.122 G-s
MIP - Motor Inboard Horz Peakvue	.023 G-s	

CTHYD ! - CT Hyd Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.260 In/Sec	.078 G-s
MOP - Motor Outboard Horz Peakvue	.0088 G-s	
MIH - Motor Inboard Horizontal	.046 In/Sec	.723 G-s
MIP - Motor Inboard Horz Peakvue	.161 G-s	
MIV - Motor Inboard Vertical	.071 In/Sec	.237 G-s
MIA - Motor Inboard Axial	.087 In/Sec	.484 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.150 In/Sec	.780 G-s
PIP - Pump Inboard Horz Peakvue	.235 G-s	

Clarification Of Vibration Units:

Acc	-->	G-s	RMS	
Vel	-->	In/Sec	PK	Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm
Area: UNIT 2
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
-----	-----	-----
LP #2 - LP recirc unit #2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.102 In/Sec	.256 G-s
MOP - Motor Outboard Horz Peakvue	.029 G-s	
MOV - Motor Outboard Vertical	.096 In/Sec	.083 G-s
MIH - Motor Inboard Horizontal	.124 In/Sec	.320 G-s
MIP - Motor Inboard Horz Peakvue	.073 G-s	
MIV - Motor Inboard Vertical	.125 In/Sec	.298 G-s
MIA - Motor Inboard Axial	.151 In/Sec	.133 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.219 In/Sec	.512 G-s
PIP - Pump Inboard Horz Peakvue	.037 G-s	
PIV - Pump Inboard Vertical	.114 In/Sec	.290 G-s
POH - Pump Outboard Horizontal	.059 In/Sec	.265 G-s
POP - Pump Outboard Horz Peakvue	.042 G-s	
POV - Pump Outboard Vertical	.132 In/Sec	.050 G-s

2FD-P-002B - Boiler Feed Water 2B

	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.023 In/Sec	.161 G-s
MOP - Motor Outboard Horz Peakvue	.107 G-s	
MOV - Motor Outboard Vertical	.025 In/Sec	.334 G-s
MIH - Motor Inboard Horizontal	.024 In/Sec	.212 G-s
MIP - Motor Inboard Horz Peakvue	.085 G-s	
MIV - Motor Inboard Vertical	.024 In/Sec	.160 G-s
MIA - Motor Inboard Axial	.033 In/Sec	.298 G-s
	OVERALL LEVEL	1K-20KHz
NIA - NELSON INBOARD AXIAL	.142 In/Sec	.638 G-s
NIH - NELSON INBOARD HORIZONTAL	.077 In/Sec	.516 G-s
NIV - NELSON INBOARD VERTICAL	.095 In/Sec	.576 G-s
NOV - NELSON OUTBOARD VERTICAL	.107 In/Sec	.281 G-s
NOH - NELSON OUTBOARD HORIZONTAL	.087 In/Sec	.313 G-s
NOA - NELSON OUTBOARD AXIAL	.124 In/Sec	.633 G-s
	OVERALL LEVEL	1K-20KHz
BFA - BOILER FEEDWATER PUMP AXIAL	.050 In/Sec	.219 G-s
PIH - BFWP INBOARD HORIZONTAL	.055 In/Sec	.194 G-s
PIV - BFWP INBOARD VERTICAL	.056 In/Sec	.125 G-s
POV - BFWP OUTBOARD VERTICAL	.049 In/Sec	.114 G-s
POH - BFWP OUTBOARD HORIZONTAL	.086 In/Sec	.085 G-s

CT1 - CT Lube Oil Pump 1

	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.081 In/Sec	.148 G-s
MOP - Motor Outboard Horz Peakvue	.019 G-s	
MIH - Motor Inboard Horizontal	.040 In/Sec	.154 G-s
MIP - Motor Inboard Horz Peakvue	.017 G-s	

CTHYD !1 - CT Hyd Pump 2

	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.066 In/Sec	.233 G-s
MOP - Motor Outboard Horz Peakvue	.055 G-s	
MIH - Motor Inboard Horizontal	.043 In/Sec	.580 G-s
MIP - Motor Inboard Horz Peakvue	.104 G-s	
MIA - Motor Inboard Axial	.037 In/Sec	.805 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.070 In/Sec	1.042 G-s
PIP - Pump Inboard Horz Peakvue	.463 G-s	
PIV - Pump Inboard Vertical	.135 In/Sec	1.378 G-s
PIA - Pump Inboard Axial	.100 In/Sec	1.759 G-s

ABF - Aux Boiler Fan

	(09-Dec-19)	
	OVERALL LEVEL	1K-20KHz
MOH - Motor Outboard Horizontal	.221 In/Sec	.120 G-s
MOP - Motor Outboard Horz Peakvue	.019 G-s	
MOV - Motor Outboard Vertical	.261 In/Sec	.432 G-s
MIH - Motor Inboard Horizontal	.064 In/Sec	.305 G-s
MIP - Motor Inboard Horz Peakvue	.105 G-s	
MIV - Motor Inboard Vertical	.113 In/Sec	.317 G-s
MIA - Motor Inboard Axial	.155 In/Sec	.037 G-s

Clarification Of Vibration Units:

Acc --> G-s RMS

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.272 In/Sec	.171 G-s
MOP - Motor Outboard Horz Peakvue	.056 G-s	
MOV - Motor Outboard Vertical	.337 In/Sec	.198 G-s
MIH - Motor Inboard Horizontal	.154 In/Sec	.361 G-s
MIP - Motor Inboard Horz Peakvue	.091 G-s	
MIV - Motor Inboard Vertical	.133 In/Sec	.243 G-s
MIA - Motor Inboard Axial	.080 In/Sec	.182 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.039 In/Sec	.431 G-s
PIP - Pump Inboard Horz Peakvue	.201 G-s	
3AE-P-002 - Vacuum Pump 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.085 In/Sec	.651 G-s
MOP - Motor Outboard Horz Peakvue	.262 G-s	
MOV - Motor Outboard Vertical	.088 In/Sec	.389 G-s
MIH - Motor Inboard Horizontal	.092 In/Sec	.130 G-s
MIP - Motor Inboard Horz Peakvue	.056 G-s	
MIV - Motor Inboard Vertical	.127 In/Sec	.466 G-s
MIA - Motor Inboard Axial	.106 In/Sec	.202 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.127 In/Sec	.297 G-s
PIP - Pump Inboard Horz Peakvue	.227 G-s	
PIV - Pump Inboard Vertical	.149 In/Sec	.341 G-s
POH - Pump Outboard Horizontal	.112 In/Sec	.200 G-s
POP - Pump Outboard Horz Peakvue	.124 G-s	
POV - Pump Outboard Vertical	.122 In/Sec	.324 G-s
POA - Pump Outboard Axial	.121 In/Sec	.133 G-s
3AE-P-001 - Vacuum Pump 1	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.138 In/Sec	.488 G-s
MOP - Motor Outboard Horz Peakvue	.129 G-s	
MOV - Motor Outboard Vertical	.136 In/Sec	.468 G-s
MIH - Motor Inboard Horizontal	.150 In/Sec	.248 G-s
MIP - Motor Inboard Horz Peakvue	.089 G-s	
MIV - Motor Inboard Vertical	.286 In/Sec	.427 G-s
MIA - Motor Inboard Axial	.270 In/Sec	.175 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.201 In/Sec	.866 G-s
PIP - Pump Inboard Horz Peakvue	.608 G-s	
PIV - Pump Inboard Vertical	.282 In/Sec	.788 G-s
POH - Pump Outboard Horizontal	.214 In/Sec	.747 G-s
POP - Pump Outboard Horz Peakvue	.678 G-s	
POV - Pump Outboard Vertical	.376 In/Sec	.997 G-s
POA - Pump Outboard Axial	.176 In/Sec	1.150 G-s
STG2 - STG Lube Oil Pump 2	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.077 In/Sec	.147 G-s
MOP - Motor Outboard Horz Peakvue	.055 G-s	
MOV - Motor Outboard Vertical	.061 In/Sec	.145 G-s
MIH - Motor Inboard Horizontal	.053 In/Sec	.110 G-s
MIP - Motor Inboard Horz Peakvue	.019 G-s	
MIV - Motor Inboard Vertical	.047 In/Sec	.117 G-s
MIA - Motor Inboard Axial	.084 In/Sec	.144 G-s

STGHyd1	- STG Hyd Pump 1	(09-Dec-19)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.067 In/Sec	.207 G-s
MOP - Motor Outboard Horz Peakvue		.066 G-s	
MOV - Motor Outboard Vertical		.084 In/Sec	.226 G-s
MIH - Motor Inboard Horizontal		.068 In/Sec	.397 G-s
MIP - Motor Inboard Horz Peakvue		.156 G-s	
MIV - Motor Inboard Vertical		.088 In/Sec	.393 G-s
MIA - Motor Inboard Axial		.068 In/Sec	.156 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.077 In/Sec	.426 G-s
PIP - Pump Inboard Horz Peakvue		.141 G-s	
PIV - Pump Inboard Vertical		.179 In/Sec	.527 G-s
PIA - Pump Inboard Axial		.307 In/Sec	.888 G-s

Clarification Of Vibration Units:

Acc	-->	G-s	RMS	
Vel	-->	In/Sec	PK	Abbreviated Last Measurement

Summary

Database: AECI Dell Power Plant.rbm
Area: WATER PUMPS AND VACUUM PUMPS
Report Date: 11-Dec-19 07:41

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
-----	-----	-----
OSW-P-001B - Service Water Pump 1B	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.214 In/Sec	.165 G-s
MOP - Motor Outboard Horz Peakvue	.013 G-s	
MOV - Motor Outboard Vertical	.078 In/Sec	.305 G-s
MIH - Motor Inboard Horizontal	.251 In/Sec	.141 G-s
MIP - Motor Inboard Horz Peakvue	.046 G-s	
MIV - Motor Inboard Vertical	.060 In/Sec	.075 G-s
MIA - Motor Inboard Axial	.108 In/Sec	.446 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.188 In/Sec	.958 G-s
PIP - Pump Inboard Horz Peakvue	.471 G-s	
PIV - Pump Inboard Vertical	.168 In/Sec	1.150 G-s
POH - Pump Outboard Horizontal	.196 In/Sec	.849 G-s
POP - Pump Outboard Horz Peakvue	.331 G-s	
POV - Pump Outboard Vertical	.212 In/Sec	1.481 G-s
POA - Pump Outboard Axial	.160 In/Sec	2.261 G-s
ORW-P-001B - Deep Well Pump B	(09-Dec-19)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.111 In/Sec	.095 G-s
MOP - Motor Outboard Horz Peakvue	.0090 G-s	
MOV - Motor Outboard Vertical	.070 In/Sec	.060 G-s
MIH - Motor Inboard Horizontal	.038 In/Sec	.012 G-s
MIP - Motor Inboard Horz Peakvue	.0041 G-s	
MIV - Motor Inboard Vertical	.037 In/Sec	.056 G-s
MIA - Motor Inboard Axial	.064 In/Sec	.128 G-s

PIH - Pump Inboard Horizontal
PIP - Pump Inboard Horz Peakvue

OVERALL LEVEL 1K-20KHz
 .028 In/Sec .032 G-s
 .0085 G-s

Clarification Of Vibration Units:

Acc --> G-s RMS
Vel --> In/Sec PK

Abbreviated Last Measurement

Summary

