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November 8, 2024

Dell Power Plant
Dell, AR

The following report is a summary of findings from the vibration survey that was performed on October 25, 2024. The report only contains defects/issues found from the survey.

***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.

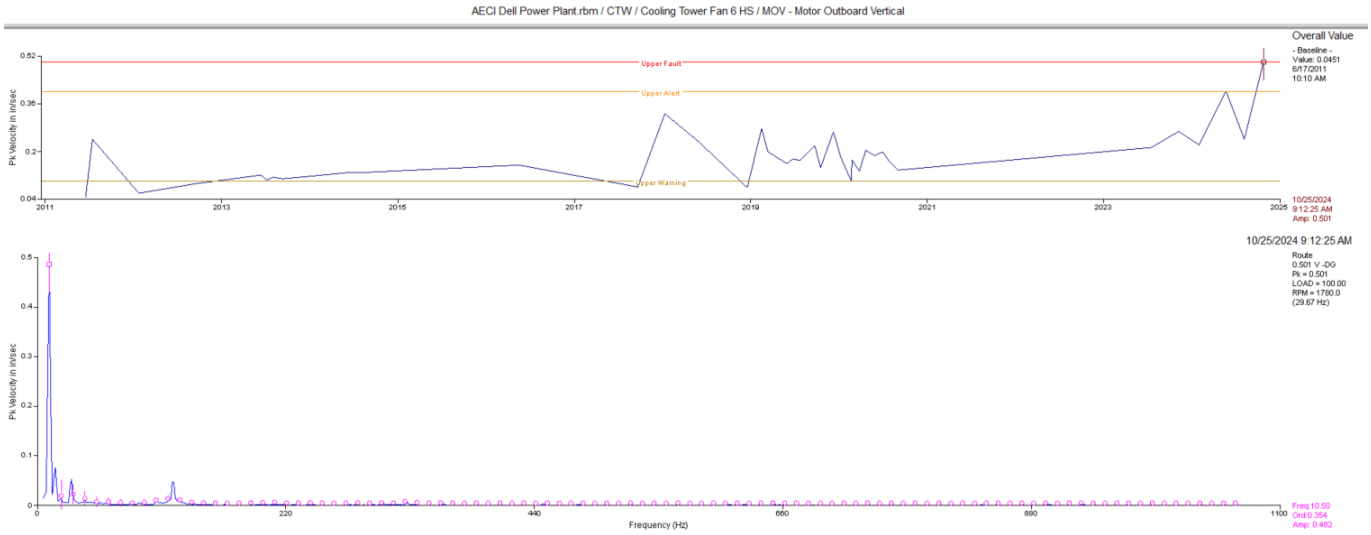
**Class II:** Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

**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

**COOLING TOWER AREA**

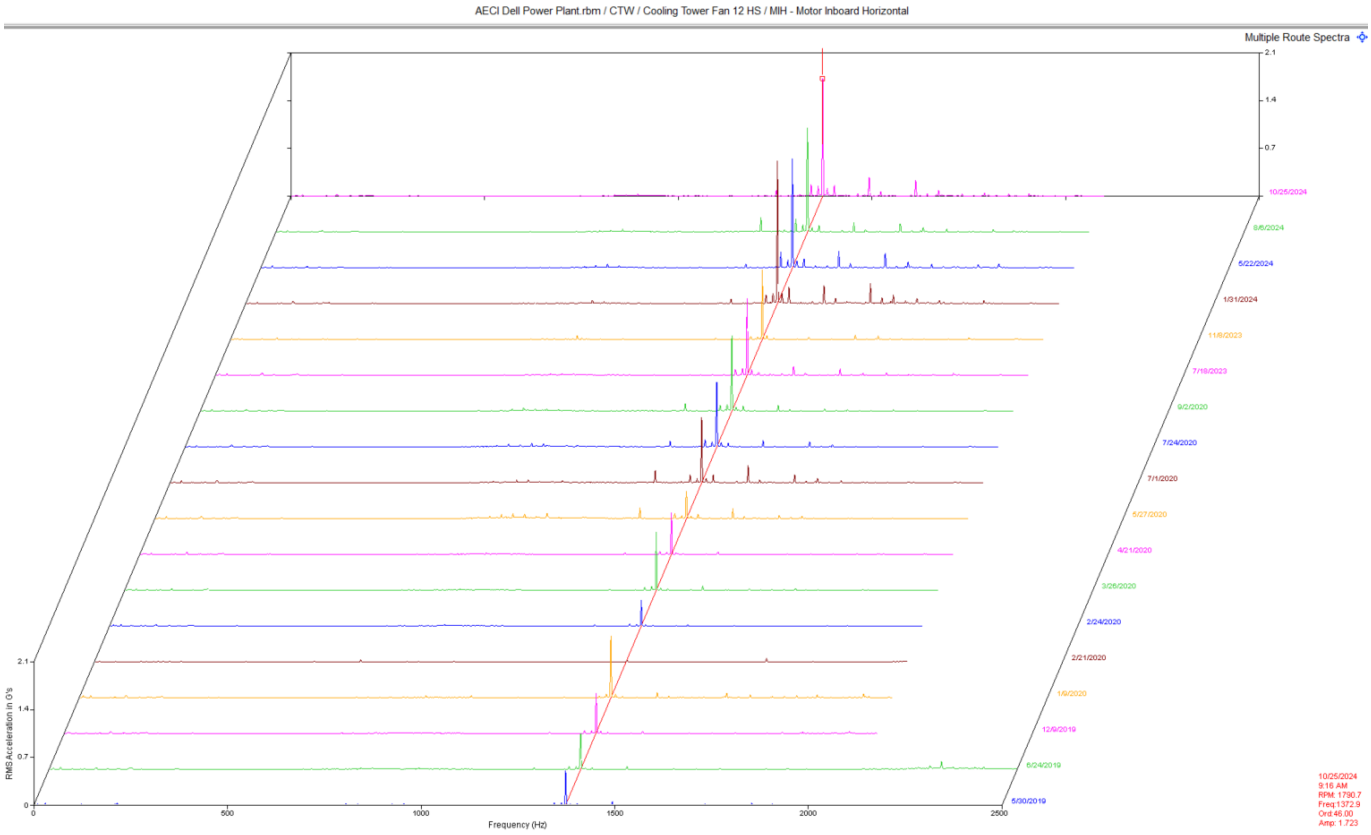
## Cooling Tower Fan 6 High Speed CLASS II




**Observation:**
Motor inboard vertical trend shows increase in vibration. Spectral data shows a dominant peak is at 10 Hz.

**Recommendation:**
Data shows a sub-synchronous vibration that is likely related to fan speed. Check gearbox foot bolts/structure and fan hub as time allows. Ensure all are tight. Check gearbox shaft for excessive play if possible.

## Cooling Tower Fan 12 CLASS II



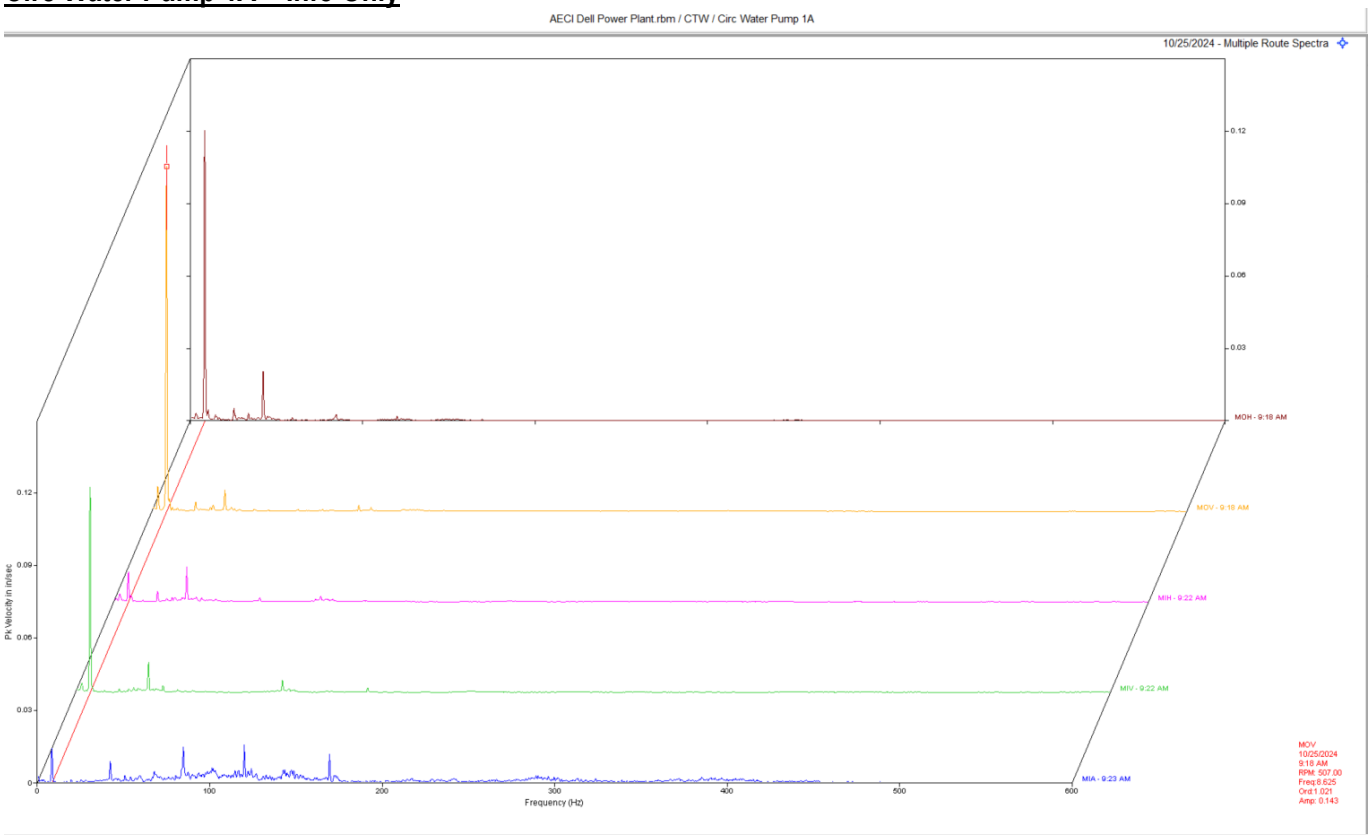

**Observation:**

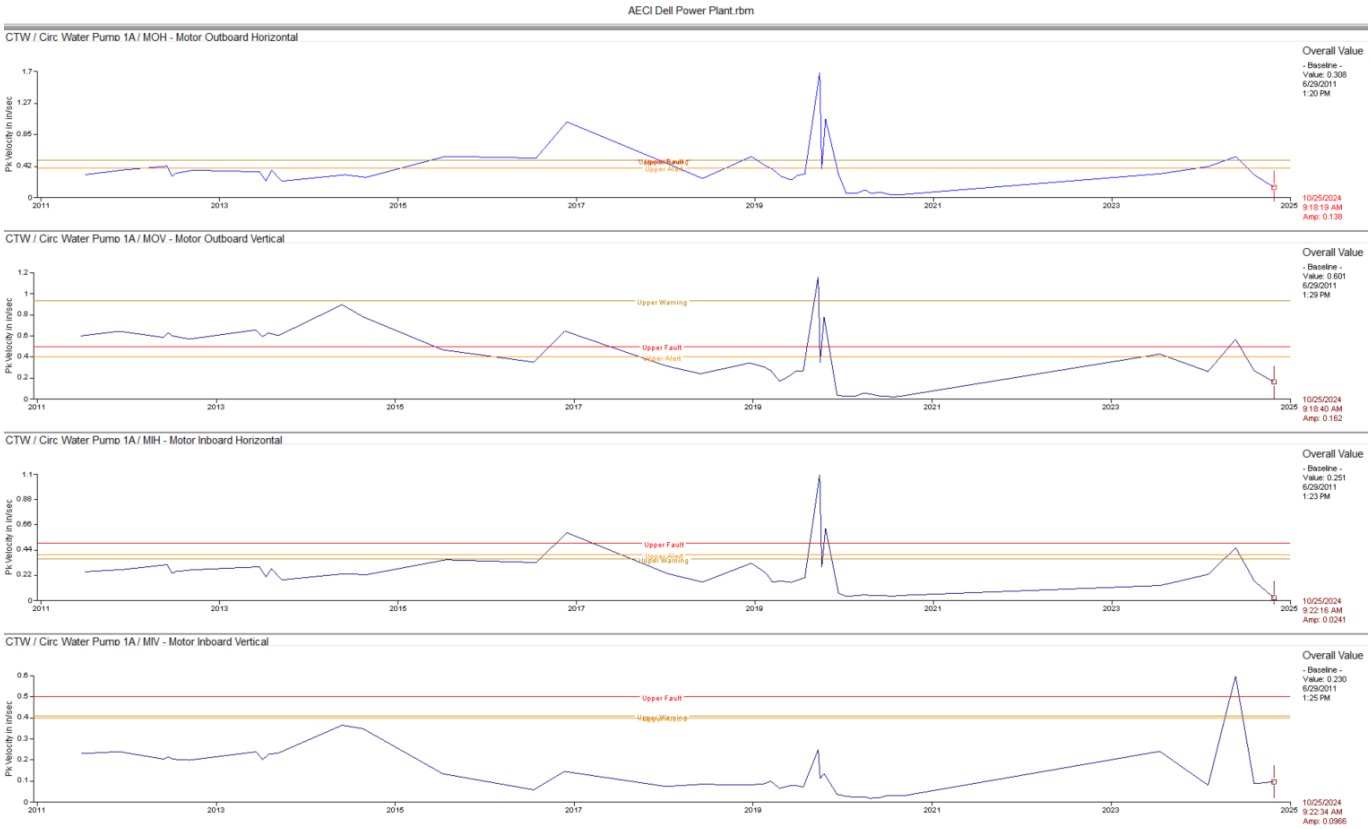
Motor inboard horizontal spectral waterfall shows a dominant vibration at 46 orders of rpm the appears to be increasing in amplitude . This peak may be rotor bar pass frequency or 2 x depending on number rotor bars. There are also some small sidebands of rpm around this peak.

**Recommendation:**

Vibration data suggests an electrical issue, possibly a rotor issue as well. Check motor for soft foot and recheck alignment. If possible, check current on each phase ensuring the motor does not have current imbalance. We are monitoring this closely.

## Circ Water Pump 1A  Info Only



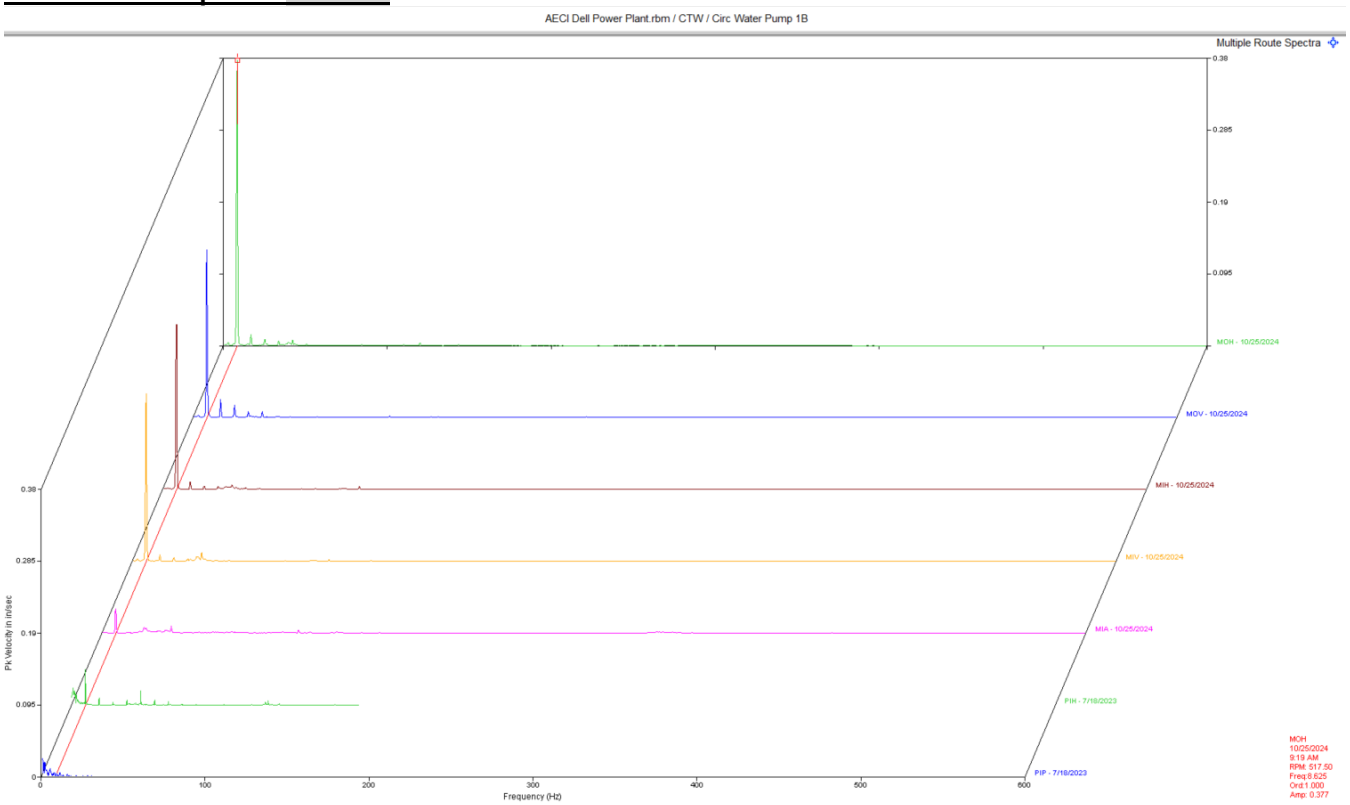



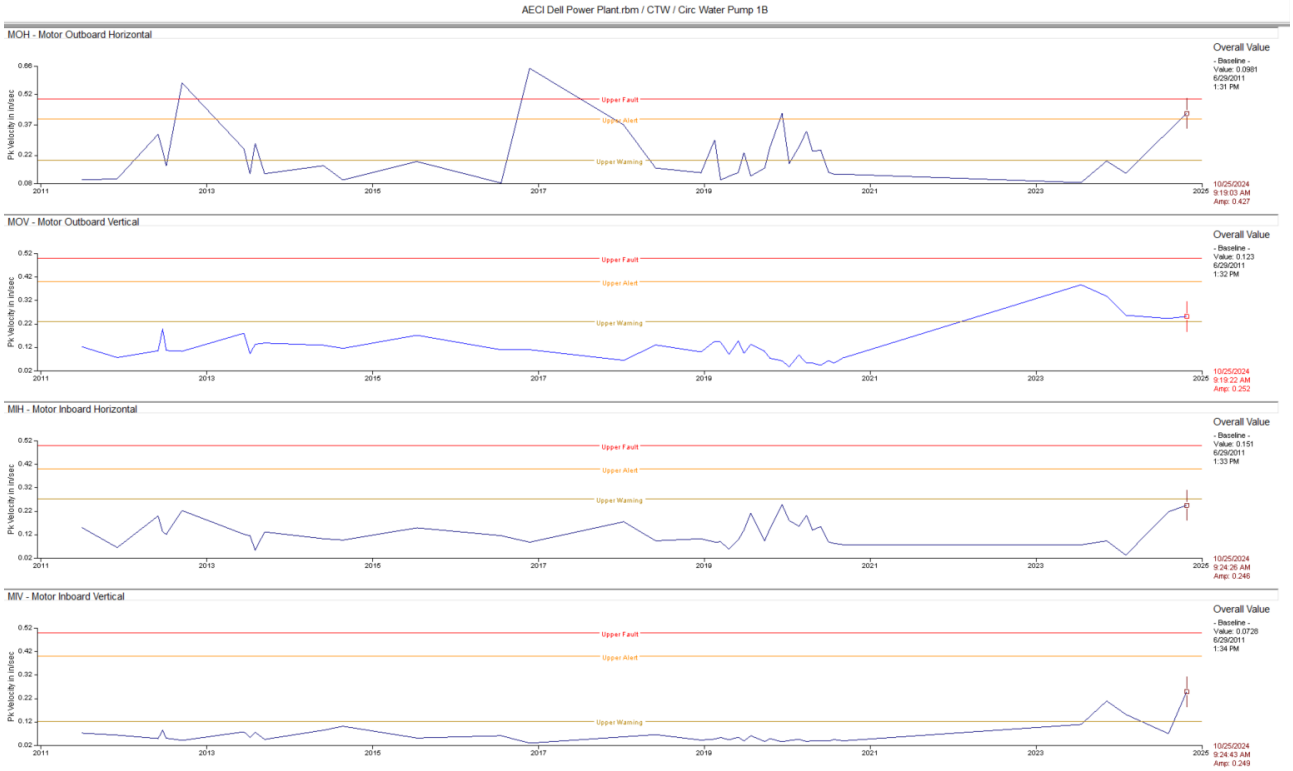

**Observation:** Multi point spectra of the motor shows a dominant vibration at 8.6 Hz. which appears to be 1 x motor rpm.

**Recommendation:**

Overall, the velocity amplitudes of the motor are around average or below according to trend data.. We are monitoring this closely.

## Circ Water Pump 1B CLASS I



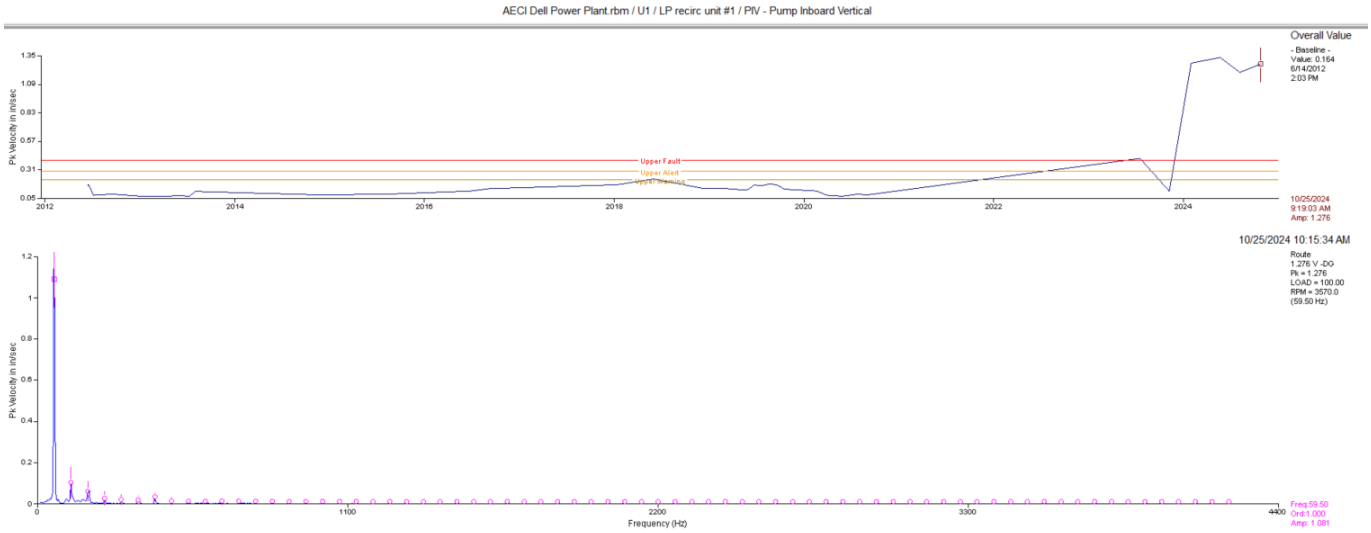

**Observation:** Motor velocity spectra show a dominant vibration at 8.6 Hz. which appears to be 1 x motor rpm. Trend data above shows a slight increase in overall amplitude at the MOH from .34 ips-pk to .427 ips-pk.

**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 can also contribute somewhat. Ensure flows are good. We are monitoring this closely.

## GAS TURBINE UNIT 1

## LP Recirc Unit 1 CLASS III




**Observation:**

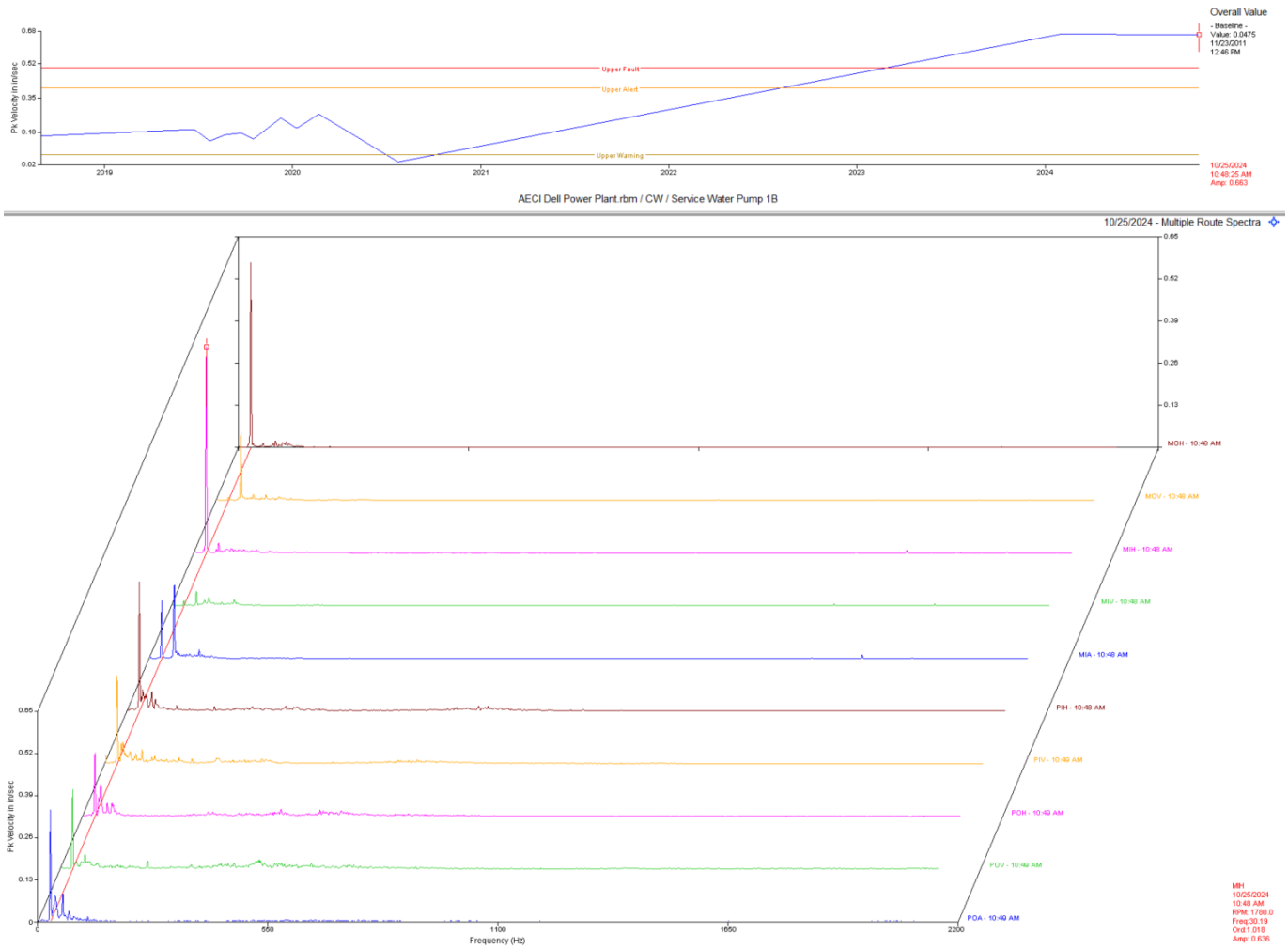
Pump inboard vertical trend shows another increase in vibration this survey. Overall amplitude is 1.27 ips-pk at the PIV.

**Recommendation:**

Data suggests a coupling issue, or issue with pump. It is recommended to check pump coupling for wear and check pump shaft for run out as time allows. Ensure all fasteners are tight.

## UTILITY PUMPS

### 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. Motor inboard axial spectrum shows some 1 and 2 x rpm vibration. Trend data of MIH shows overall vibration to be near what is was when it was last tested in Jan 2024.

**Recommendation:**

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

# Abbreviated Last Measurement Summary

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Database: AECI Dell Power Plant.rbm
Area: Cooling Tower
Route No. 1: COOLING TOWER

| MEASUREMENT POINT | OVERALL LEVEL | HFD / VHFD |
|---|---|---|
| **CTW1 - Cooling Tower Fan 1 HS** | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .193 In/Sec | 1.166 G-s |
| MOP | .361 G-s | |
| MOV | .276 In/Sec | 1.308 G-s |
| MIH | .179 In/Sec | 1.015 G-s |
| MIP | .640 G-s | |
| MIV | .240 In/Sec | .600 G-s |
| MIA | .204 In/Sec | .359 G-s |
| **CTW2 - Cooling Tower Fan 2 HS** | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .207 In/Sec | .985 G-s |
| MOP | .271 G-s | |
| MOV | .239 In/Sec | .366 G-s |
| MIH | .168 In/Sec | 1.749 G-s |
| MIP | .873 G-s | |
| MIV | .208 In/Sec | .882 G-s |
| MIA | .286 In/Sec | .504 G-s |
| **CTW3 - Cooling Tower Fan 3 HS** | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .151 In/Sec | .639 G-s |
| MOP | .078 G-s | |
| MOV | .230 In/Sec | .304 G-s |
| MIH | .203 In/Sec | .672 G-s |
| MIP | .315 G-s | |
| MIV | .292 In/Sec | .457 G-s |
| MIA | .325 In/Sec | .245 G-s |
| **CTW4 - Cooling Tower Fan 4 HS** | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .176 In/Sec | .643 G-s |
| MOP | .142 G-s | |
| MOV | .368 In/Sec | .190 G-s |
| MIH | .201 In/Sec | .769 G-s |
| MIP | .207 G-s | |
| MIV | .325 In/Sec | .359 G-s |
| MIA | .323 In/Sec | .251 G-s |
| **CTW5 - Cooling Tower Fan 5 HS** | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .211 In/Sec | .320 G-s |
| MOP | .164 G-s | |
| MOV | .277 In/Sec | .476 G-s |
| MIH | .257 In/Sec | 1.530 G-s |
| MIP | .382 G-s | |
| MIV | .314 In/Sec | 1.319 G-s |
| MIA | .301 In/Sec | 1.105 G-s |
| **CTW6 - Cooling Tower Fan 6 HS** | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .259 In/Sec | .826 G-s |
| MOP | .050 G-s | |
| MOV | .501 In/Sec | .317 G-s |
| MIH | .316 In/Sec | 1.038 G-s |
| MIP | .483 G-s | |
| MIV | .425 In/Sec | .344 G-s |
| MIA | .280 In/Sec | .563 G-s |

CTW8 - Cooling Tower Fan 8 HS (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .235 In/Sec | 1.014 G-s |
| MOP | .146 G-s | |
| MOV | .182 In/Sec | .379 G-s |
| MIH | .178 In/Sec | 1.542 G-s |
| MIP | .425 G-s | |
| MIV | .239 In/Sec | .555 G-s |
| MIA | .244 In/Sec | .683 G-s |

CTW9 - Cooling Tower Fan 9 HS (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .390 In/Sec | 1.811 G-s |
| MOP | .132 G-s | |
| MOV | .169 In/Sec | .337 G-s |
| MIH | .356 In/Sec | 2.289 G-s |
| MIP | .195 G-s | |
| MIV | .234 In/Sec | .457 G-s |
| MIA | .381 In/Sec | 1.032 G-s |

CTW10 - Cooling Tower Fan 10 HS (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .219 In/Sec | .693 G-s |
| MOP | .249 G-s | |
| MOV | .335 In/Sec | .376 G-s |
| MIH | .225 In/Sec | 1.048 G-s |
| MIP | .457 G-s | |
| MIV | .326 In/Sec | .427 G-s |
| MIA | .242 In/Sec | .612 G-s |

CTW11 - Cooling Tower Fan 11 HS (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .156 In/Sec | .701 G-s |
| MOP | .187 G-s | |
| MOV | .220 In/Sec | .179 G-s |
| MIH | .154 In/Sec | .737 G-s |
| MIP | .112 G-s | |
| MIV | .193 In/Sec | .170 G-s |
| MIA | .180 In/Sec | .438 G-s |

CTW12 - Cooling Tower Fan 12 HS (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .168 In/Sec | .580 G-s |
| MOP | .122 G-s | |
| MOV | .271 In/Sec | .196 G-s |
| MIH | .179 In/Sec | 1.854 G-s |
| MIP | .103 G-s | |
| MIV | .228 In/Sec | 1.071 G-s |
| MIA | .249 In/Sec | .584 G-s |

3CW-P-001 - Circ Water Pump 1A (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .138 In/Sec | .106 G-s |
| MOP | .060 G-s | |
| MOV | .162 In/Sec | .087 G-s |
| MIH | .024 In/Sec | .413 G-s |
| MIP | .233 G-s | |
| MIV | .097 In/Sec | .376 G-s |
| MIA | .058 In/Sec | .155 G-s |

3CW-P-002 - Circ Water Pump 1B (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .427 In/Sec | .168 G-s |
| MOP | .089 G-s | |
| MOV | .252 In/Sec | .106 G-s |
| MIH | .245 In/Sec | .168 G-s |
| MIP | .071 G-s | |
| MIV | .249 In/Sec | .122 G-s |
| MIA | .046 In/Sec | .391 G-s |

LFAA2 - LFAA 1B (25-Oct-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .069 In/Sec | .631 G-s |
| MOP | .375 G-s | |
| MOV | .055 In/Sec | .513 G-s |
| MIH | .087 In/Sec | .651 G-s |
| MIP | .476 G-s | |
| MIV | .087 In/Sec | .443 G-s |
| MIA | .072 In/Sec | .514 G-s |
| | OVERALL LEVEL | 1K-20KHz |
| PIH | .014 In/Sec | .138 G-s |
| PIP | .077 G-s | |

Route No. 2: CT MTRS LOW SP

| MEASUREMENT POINT | OVERALL LEVEL | HFD / VHFD |
|---|---|---|

CTW1 LS - Cooling Tower Fan 1 LS (22-May-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .137 In/Sec | .442 G-s |
| MOP | .200 G-s | |
| MOV | .115 In/Sec | .107 G-s |
| MIH | .103 In/Sec | .0024 G-s |
| MIV | .091 In/Sec | .0033 G-s |
| MIA | .037 In/Sec | .0045 G-s |

CTW2 LS - Cooling Tower Fan 2 LS (22-May-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .111 In/Sec | .219 G-s |
| MOP | .120 G-s | |
| MOV | .102 In/Sec | .137 G-s |
| MIH | .123 In/Sec | 1.364 G-s |
| MIP | .674 G-s | |
| MIV | .105 In/Sec | .210 G-s |
| MIA | .121 In/Sec | .165 G-s |

CTW3 LS - Cooling Tower Fan 3 LS (22-May-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .104 In/Sec | .138 G-s |
| MOP | .056 G-s | |
| MOV | .096 In/Sec | .064 G-s |
| MIH | .122 In/Sec | .998 G-s |
| MIP | .505 G-s | |
| MIV | .111 In/Sec | .072 G-s |
| MIA | .114 In/Sec | .237 G-s |

CTW4 LS - Cooling Tower Fan 4 LS (22-May-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .148 In/Sec | .110 G-s |
| MOP | .049 G-s | |
| MOV | .105 In/Sec | .048 G-s |
| MIH | .144 In/Sec | .208 G-s |
| MIP | .114 G-s | |
| MIV | .104 In/Sec | .051 G-s |
| MIA | .093 In/Sec | .048 G-s |

CTW5 LS - Cooling Tower Fan 5 LS (22-May-24)

| | OVERALL LEVEL | 1K-20kHz |
|---|---|---|
| MOH | .138 In/Sec | .310 G-s |
| MOP | .138 G-s | |
| MOV | .157 In/Sec | .073 G-s |
| MIH | .173 In/Sec | .318 G-s |
| MIP | .383 G-s | |
| MIV | .162 In/Sec | .120 G-s |
| MIA | .094 In/Sec | .176 G-s |

CTW6 LS - Cooling Tower Fan 6 LS (22-May-24)

| | | | |
|---|---|---|---|
| | | OVERALL LEVEL | 1K-20kHz |
| | MOH | .115 In/Sec | .225 G-s |
| | MOP | .105 G-s | |
| | MOV | .100 In/Sec | .077 G-s |
| | MIH | .109 In/Sec | .321 G-s |
| | MIP | .087 G-s | |
| | MIV | .105 In/Sec | .072 G-s |
| | MIA | .094 In/Sec | .148 G-s |

Route No. 1: UNIT 1

| MEASUREMENT POINT | | OVERALL LEVEL | HFD / VHFD |
|---|---|---|---|
| LP #1 | - LP recirc unit #1 | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20kHz |
| | MOH | .099 In/Sec | .231 G-s |
| | MOP | .059 G-s | |
| | MOV | .130 In/Sec | .184 G-s |
| | MIH | .102 In/Sec | .643 G-s |
| | MIP | .337 G-s | |
| | MIV | .177 In/Sec | .949 G-s |
| | MIA | .295 In/Sec | .243 G-s |
| | | OVERALL LEVEL | 1K-20KHz |
| | PIH | .568 In/Sec | .253 G-s |
| | PIP | .105 G-s | |
| | PIV | 1.275 In/Sec | .168 G-s |
| | POH | .674 In/Sec | .225 G-s |
| | POP | .097 G-s | |
| | POV | .602 In/Sec | .208 G-s |
| | POA | .636 In/Sec | .224 G-s |
| 1FD-P-001B | - Boiler Feed Water 1B | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20KHz |
| | MOH | .069 In/Sec | .410 G-s |
| | MOP | .019 G-s | |
| | MOV | .153 In/Sec | .300 G-s |
| | MIH | .086 In/Sec | .109 G-s |
| | MIP | .0046 G-s | |
| | MIV | .157 In/Sec | .070 G-s |
| | MIA | .122 In/Sec | .198 G-s |
| | | OVERALL LEVEL | 1K-20kHz |
| | NIA | .116 In/Sec | .409 G-s |
| | NIH | .056 In/Sec | .149 G-s |
| | NIV | .061 In/Sec | .186 G-s |
| | NOV | .065 In/Sec | .193 G-s |
| | NOH | .055 In/Sec | .094 G-s |
| | NOA | .052 In/Sec | .228 G-s |
| | | OVERALL LEVEL | 1K-20KHz |
| | BFA | .035 In/Sec | .197 G-s |
| | PIH | .070 In/Sec | .137 G-s |
| | PIV | .076 In/Sec | .202 G-s |
| | POV | .088 In/Sec | .139 G-s |
| | POH | .093 In/Sec | .113 G-s |
| CT1 | - CT Lube Oil Pump 1 | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20kHz |
| | MOH | .054 In/Sec | .273 G-s |
| | MOP | .113 G-s | |
| | MOV | .054 In/Sec | .228 G-s |
| | MIH | .064 In/Sec | .093 G-s |
| | MIP | .024 G-s | |
| | MIV | .065 In/Sec | .018 G-s |
| | MIA | .072 In/Sec | .116 G-s |
| CTHYD !1 | - CT Hyd Pump 2 | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20kHz |
| | MOH | .162 In/Sec | .073 G-s |
| | MOP | .016 G-s | |

| | | | |
|---|---|---|---|
| | MOV | .350 In/Sec | .225 G-s |
| | MIH | .084 In/Sec | .426 G-s |
| | MIP | .136 G-s | |
| | MIV | .046 In/Sec | .160 G-s |
| | MIA | .118 In/Sec | .672 G-s |

Route No. 1: UNIT 2

| MEASUREMENT POINT | | OVERALL LEVEL | HFD / VHFD |
|---|---|---|---|
| LP #2 | - LP recirc unit #2 | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20kHz |
| | MOH | .120 In/Sec | .277 G-s |
| | MOP | .049 G-s | |
| | MOV | .119 In/Sec | .740 G-s |
| | MIH | .146 In/Sec | .966 G-s |
| | MIP | .357 G-s | |
| | MIV | .153 In/Sec | .776 G-s |
| | MIA | .229 In/Sec | .807 G-s |
| | | OVERALL LEVEL | 1K-20KHz |
| | PIH | .122 In/Sec | .347 G-s |
| | PIP | .078 G-s | |
| | PIV | .149 In/Sec | .316 G-s |
| | POH | .109 In/Sec | .936 G-s |
| | POP | .469 G-s | |
| | POV | .124 In/Sec | .657 G-s |
| | POA | .116 In/Sec | .413 G-s |
| 2FD-P-002A | - Boiler Feed Water 2A | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20KHz |
| | MOH | .017 In/Sec | .119 G-s |
| | MOP | .067 G-s | |
| | MOV | .054 In/Sec | .126 G-s |
| | MIH | .069 In/Sec | .119 G-s |
| | MIP | .057 G-s | |
| | MIV | .055 In/Sec | .197 G-s |
| | MIA | .034 In/Sec | .553 G-s |
| | | OVERALL LEVEL | 1K-20kHz |
| | NIA | .091 In/Sec | .408 G-s |
| | NIH | .073 In/Sec | .259 G-s |
| | NIV | .036 In/Sec | .472 G-s |
| | NOV | .030 In/Sec | .219 G-s |
| | NOH | .046 In/Sec | .150 G-s |
| | NOA | .062 In/Sec | .209 G-s |
| | | OVERALL LEVEL | 1K-20KHz |
| | BFA | .024 In/Sec | .182 G-s |
| | PIH | .067 In/Sec | .129 G-s |
| | PIV | .088 In/Sec | .176 G-s |
| | POV | .094 In/Sec | .143 G-s |
| | POH | .083 In/Sec | .047 G-s |
| 2FD-P-002B | - Boiler Feed Water 2B | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20KHz |
| | MOH | .062 In/Sec | .141 G-s |
| | MOP | .058 G-s | |
| CT2 | - CT Lube Oil Pump 2 | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20kHz |
| | MOH | .044 In/Sec | .459 G-s |
| | MOP | .066 G-s | |
| | MOV | .036 In/Sec | .250 G-s |
| | MIH | .029 In/Sec | .157 G-s |
| | MIP | .059 G-s | |
| | MIV | .030 In/Sec | .333 G-s |
| | MIA | .056 In/Sec | .225 G-s |
| CTHYD !1 | - CT Hyd Pump 2 | (25-Oct-24) | |
| | | OVERALL LEVEL | 1K-20kHz |

| | | |
|---|---|---|
| MOH | .050 In/Sec | .113 G-s |
| MOP | .034 G-s | |
| MOV | .048 In/Sec | .039 G-s |
| MIH | .025 In/Sec | .317 G-s |
| MIP | .097 G-s | |
| MIV | .040 In/Sec | .101 G-s |
| MIA | .049 In/Sec | .342 G-s |

Route No. 1: STEAM TURBINE

| MEASUREMENT POINT | OVERALL LEVEL | HFD / VHFD |
|---|---|---|
| 3CW-P-004 - CCW Booster Pump 2 | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .048 In/Sec | .280 G-s |
| MOP | .083 G-s | |
| MOV | .031 In/Sec | .275 G-s |
| MIH | .051 In/Sec | .362 G-s |
| MIP | .178 G-s | |
| MIV | .042 In/Sec | .367 G-s |
| MIA | .090 In/Sec | .155 G-s |
| | OVERALL LEVEL | 1K-20KHz |
| PIH | .073 In/Sec | .250 G-s |
| PIP | .140 G-s | |
| PIV | .049 In/Sec | .334 G-s |
| PIA | .052 In/Sec | .544 G-s |
| 0CC-P-001 - CLosed Cooling Water 1 | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .057 In/Sec | .372 G-s |
| MOP | .215 G-s | |
| MOV | .042 In/Sec | .403 G-s |
| MIH | .048 In/Sec | .308 G-s |
| MIP | .162 G-s | |
| MIV | .031 In/Sec | .369 G-s |
| MIA | .029 In/Sec | .377 G-s |
| | OVERALL LEVEL | 1K-20KHz |
| PIH | .046 In/Sec | .808 G-s |
| PIP | .252 G-s | |
| PIV | .051 In/Sec | .547 G-s |
| POH | .108 In/Sec | .460 G-s |
| POP | .079 G-s | |
| POV | .059 In/Sec | .482 G-s |
| POA | .070 In/Sec | .664 G-s |
| 3CH-P-001A - Condensate Pump A | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .192 In/Sec | .128 G-s |
| MOP | .044 G-s | |
| MOV | .160 In/Sec | .153 G-s |
| MIH | .094 In/Sec | .329 G-s |
| MIP | .183 G-s | |
| MIV | .058 In/Sec | .452 G-s |
| MIA | .060 In/Sec | .374 G-s |
| 3CH-P-001C - Condensate PumpC | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .269 In/Sec | .223 G-s |
| MOP | .048 G-s | |
| MOV | .361 In/Sec | .616 G-s |
| MIH | .153 In/Sec | .454 G-s |
| MIP | .256 G-s | |
| MIV | .164 In/Sec | .618 G-s |
| MIA | .093 In/Sec | .655 G-s |
| 3AE-P-001 - Vacuum Pump 1 | (25-Oct-24) | |
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .115 In/Sec | .608 G-s |

| | | | |
|---|---|---|---|
| MOP | .100 G-s | | |
| MOV | .151 In/Sec | .632 G-s | |
| MIH | .122 In/Sec | .343 G-s | |
| MIP | .167 G-s | | |
| MIV | .199 In/Sec | .463 G-s | |
| MIA | .120 In/Sec | .421 G-s | |
| | OVERALL LEVEL | 1K-20KHz | |
| PIH | .161 In/Sec | .961 G-s | |
| PIP | 1.005 G-s | | |
| PIV | .242 In/Sec | 1.315 G-s | |
| POH | .168 In/Sec | .752 G-s | |
| POP | .206 G-s | | |
| POV | .317 In/Sec | .638 G-s | |
| POA | .138 In/Sec | .821 G-s | |

STG2 - STG Lube Oil Pump 2 (25-Oct-24)

| | | |
|---|---|---|
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .030 In/Sec | .310 G-s |
| MOP | .165 G-s | |
| MOV | .045 In/Sec | .372 G-s |
| MIH | .036 In/Sec | .565 G-s |
| MIP | .254 G-s | |
| MIV | .034 In/Sec | .870 G-s |
| MIA | .046 In/Sec | .466 G-s |

STGHyd1 - STG Hyd Pump 1 (25-Oct-24)

| | | |
|---|---|---|
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .035 In/Sec | .600 G-s |
| MOP | .225 G-s | |
| MOV | .069 In/Sec | 1.106 G-s |
| MIH | .023 In/Sec | .401 G-s |
| MIP | .187 G-s | |
| MIV | .031 In/Sec | .552 G-s |
| MIA | .034 In/Sec | .484 G-s |

Route No. 1: UTILITY PUMPS

| MEASUREMENT POINT | OVERALL LEVEL | HFD / VHFD |
|---|---|---|

OSW-P-001B - Service Water Pump 1B (25-Oct-24)

| | | |
|---|---|---|
| | OVERALL LEVEL | 1K-20kHz |
| MOH | .593 In/Sec | .106 G-s |
| MOP | .013 G-s | |
| MOV | .245 In/Sec | .125 G-s |
| MIH | .663 In/Sec | .248 G-s |
| MIP | .101 G-s | |
| MIV | .088 In/Sec | .185 G-s |
| MIA | .325 In/Sec | .315 G-s |
| | OVERALL LEVEL | 1K-20KHz |
| PIH | .465 In/Sec | 1.223 G-s |
| PIP | .908 G-s | |
| PIV | .355 In/Sec | .717 G-s |
| POH | .308 In/Sec | .780 G-s |
| POP | .363 G-s | |
| POV | .335 In/Sec | .946 G-s |
| POA | .418 In/Sec | 1.180 G-s |

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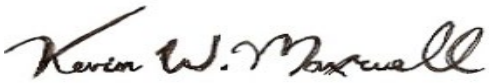
Clarification Of Vibration Units:

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,



***Category III Vibration Analyst***

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