



MILLINGTON, TN

October 2, 2020

Lucite

Subject: October vibration report

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 Specialists
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Detailed Defects

SAR 03 Turbine Compressor Main Blower

The unit 1x RPM vibration has increased slightly. Unit speed will most likely have some influence on vibration amplitude. Inspection of unit near the compressor end is still recommended. Our motion amplification camera system could help to identify if there are any structural issues. **Rated a Class II Defect.**

ACN 09 ACH Flash Tank Pump

There has been a large increase in outboard vertical vibrations for the motor. Inspect the motor as soon as possible. Could be a broken cooling fan, loose fasteners or even a coupling issue. **Rated a Class III Defect due to Large jump.**

MON 43A Amide Reactor Circulation Pump 1N

There has been a large increase in outboard vertical vibrations for the motor. Inspect the motor as soon as possible. Could be a broken cooling fan, loose fasteners or even a coupling issue. **Rated a Class III Defect due to Large jump.**

Observations

SAR 10 Process Air Fan E

3 g's RMS acceleration is still evident in the fan bearing data as noise. Higher speed fans like this one will usually generate more normally, so we will watch this unit closely. Make sure bearings are lubricated for service and environment; and inspect the installation and fasteners. **Rated a Class I Defect.**

MON 55SM Hut Pump S

The motor data shows a vibration at near 54 orders with 120 Hz side bands. This is usually related to poor rotor bar connection. No immediate actions required. **Rated a Class I Defect.**

SAR55A Neutralization Pump North

The data continues to indicate distress in the inboard motor bearing; however, some of the spectral peaks have been greatly reduced. We will watch for changes. **Rating dropped to a Class I Defect for now.**

MON56 Inhibited MON transfer pump E

The overall vibration continues to grow. The pump axial vibration is just over 0.4"/sec velocity peak and consists mostly of noise around 2-20 orders of shaft speed. We suspect recirculation caused by either pump wear or not running near the optimal point on the curve. The inboard horizontal also has what looks to be cavitation between 40 and 60 orders. Inspect as time allows. **Rated A Class II Defect.**

SAR66A, SAR66B, and SAR 66C Vertical Cooling Tower Pumps

These pumps all have a 1xRPM vibration at near or above 0.4"/second velocity peak. The vibration should be lowered if possible. Trim balancing might help if the unit is out. Check all fasteners for tightness and the shafts if possible, for runout. **Rated A Class I Defect.**

SAR 78A Cooling Tower Fan 1

The vibration in the motor is still almost 0.4"/sec velocity peak. Inspect the unit as time allows. Make sure everything is aligned. **Rated A Class I Defect.**

SAR 14 Combustion Air Fan

Fan unit still appears to have an elevated noise floor in the higher frequencies. Ensure the bearings are properly lubricated. **Rated a Class I Defect.**

ACN 36 ACH Neutralization Tank Circulation Pump

The pump still has a 4x RPM vibration in it that we believe is vane pass. The vibration is almost back up to 0.4"/sec velocity peak. We suspect wear in the pump or a process or flow issue. Could also be a coupling issue. Investigate as time allows. **Rated a Class II Defect.**

ACN13A #2 Kettle transfer pump N

The motor bearings still appear to be in some distress. The amplitude continues to climb. Be prepared to change the motor out in the future. **Rated a Class II Defect**

ACN28B ACN Fan E

A 1xRPM still dominates the velocity spectrum for the motor inboard vertical at near 0.46"/sec velocity peak. Inspect the motor and structure. Inspect, clean, and trim balance the fan soon if possible. **Rated a Class II Defect.**

ACN 08 ACH Blend Tank

The motor bearings are still showing an elevated vibration at shaft speed. Inspect the coupling, fasteners, structures and alignment in the near future. **Rated a Class II Defect.**

ACN 07 ACH Product Feed Pump South

The motor inboard bearing has a vibration at just over 6 orders and multiple harmonics of that frequency in the analysis spectrums. These vibrations suggest bearing defects; however, the vibrations have not increased over time. We will keep a close eye on this for changes. **Rated a Class I Defect.**

MON 32 B ARC Reflux Pump South

It appears the 2x RPM vibration is climbing in the pump axial and should be addressed. Inspect the coupling and alignment during the shutdown. **Rated a Class II Defect.**

Abbreviated Last Measurement Summary

Database: Lucite Memphis MMA.rbm
Area: MMA
Route No. 6: TJ ROUTE 1
Report Date: 02-Oct-20 07:43

MEASUREMENT POINT -----	OVERALL LEVEL -----	HFD / VHFD -----
SAR03 - Turb Comp Main Blower	(28-Sep-20)	
	OVERALL LEVEL	
5 - Turbine CPL X	.220 Mils	
6 - Turbine CPL Y	.186 Mils	
7 - Turbine Gov X	.153 Mils	
8 - Turbine Gov Y	.064 Mils	
9 - Blwr IB X	.478 Mils	
10 - Blwr IB Y	.381 Mils	
11 - Blwr OB X	1.282 Mils	
12 - Blwr OB Y	1.430 Mils	
15 - Blwr HSG IB	.038 Mils	
16 - Blwer HSG OB	.055 Mils	
ACN17DP - DP Comp	(28-Sep-20)	
	OVERALL LEVEL	
21 - ACH Motor CPL	.030 Mils	
22 - ACH GB CPL	.130 Mils	
27 - ACH CMP MTR	.014 Mils	
23 - ACH CMP CPL	.066 Mils	
24 - ACH CMP OB	.037 Mils	
ACN28ADP - Cooling Twr Fan W	(28-Sep-20)	
	OVERALL LEVEL	
28 - CT Fan 1 W	.229 Mils	
ACN28BDP - Cooling Twr Fan E	(28-Sep-20)	
	OVERALL LEVEL	
26 - CT Fan 2 E	.277 Mils	
SAR55A - Neutralization Pump N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.053 In/Sec	.423 G-s
MOP - Motor Outboard Horz Peakvue	.103 G-s	
MOV - Motor Outboard Vertical	.095 In/Sec	.066 G-s
MOA - Motor Outboard Axial	.123 In/Sec	.084 G-s
MIH - Motor Inboard Horizontal	.057 In/Sec	1.003 G-s
MIP - Motor Inboard Horz Peakvue	.562 G-s	
MIV - Motor Inboard Vertical	.116 In/Sec	.241 G-s
MIA - Motor Inboard Axial	.085 In/Sec	.192 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.091 In/Sec	.274 G-s
PIP - Pump Inboard Horz Peakvue	.047 G-s	
PIV - Pump Inboard Vertical	.041 In/Sec	.115 G-s

PIA - Pump Inboard Axial	.040 In/Sec	.179 G-s
SAR59C - Scrub Twr Circ Pmp E		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.019 In/Sec	.191 G-s
MOP - Motor Outboard Horz Peakvue	.071 G-s	
MOV - Motor Outboard Vertical	.034 In/Sec	.071 G-s
MOA - Motor Outboard Axial	.024 In/Sec	.050 G-s
MIH - Motor Inboard Horizontal	.027 In/Sec	.828 G-s
MIP - Motor Inboard Horz Peakvue	.318 G-s	
MIV - Motor Inboard Vertical	.054 In/Sec	.105 G-s
MIA - Motor Inboard Axial	.075 In/Sec	.120 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.095 In/Sec	.540 G-s
PIP - Pump Inboard Horz Peakvue	.316 G-s	
PIV - Pump Inboard Vertical	.043 In/Sec	.329 G-s
PIA - Pump Inboard Axial	.046 In/Sec	.272 G-s
POH - Pump Outboard Horizontal	.059 In/Sec	.293 G-s
POP - Pump Outboard Horz Peakvue	.146 G-s	
POV - Pump Outboard Vertical	.054 In/Sec	.137 G-s
POA - Pump Outboard Axial	.059 In/Sec	.103 G-s
SAR59B - Scrub Twr Circ Pmp M		
	(01-Oct-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	8.010 In/Sec	.0012 G-s
MOP - Motor Outboard Horz Peakvue	.0053 G-s	
MOV - Motor Outboard Vertical	1.156 In/Sec	.0025 G-s
MOA - Motor Outboard Axial	4.565 In/Sec	.0012 G-s
* MIH - Motor Inboard Horizontal	.033 In/Sec	.634 G-s
* MIP - Motor Inboard Horz Peakvue	.368 G-s	
* MIV - Motor Inboard Vertical	.041 In/Sec	.413 G-s
* MIA - Motor Inboard Axial	.029 In/Sec	.409 G-s
	OVERALL LEVEL	1K-20KHz
* PIH - Pump Inboard Horizontal	.137 In/Sec	.812 G-s
* PIP - Pump Inboard Horz Peakvue	.575 G-s	
* PIV - Pump Inboard Vertical	.063 In/Sec	.494 G-s
* PIA - Pump Inboard Axial	.073 In/Sec	.420 G-s
* POH - Pump Outboard Horizontal	.080 In/Sec	.489 G-s
* POP - Pump Outboard Horz Peakvue	.284 G-s	
* POV - Pump Outboard Vertical	.070 In/Sec	.227 G-s
* POA - Pump Outboard Axial	.074 In/Sec	.197 G-s
SAR59A - Scrub Twr Circ Pmp W		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.029 In/Sec	.279 G-s
MOP - Motor Outboard Horz Peakvue	.130 G-s	
MOV - Motor Outboard Vertical	.052 In/Sec	.098 G-s
MOA - Motor Outboard Axial	.055 In/Sec	.139 G-s
MIH - Motor Inboard Horizontal	.029 In/Sec	.322 G-s
MIP - Motor Inboard Horz Peakvue	.169 G-s	
MIV - Motor Inboard Vertical	.039 In/Sec	.182 G-s
MIA - Motor Inboard Axial	.033 In/Sec	.087 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.111 In/Sec	.581 G-s
PIP - Pump Inboard Horz Peakvue	.358 G-s	
PIV - Pump Inboard Vertical	.064 In/Sec	.273 G-s
PIA - Pump Inboard Axial	.085 In/Sec	.187 G-s

POH - Pump Outboard Horizontal	.079 In/Sec	.494 G-s
POP - Pump Outboard Horz Peakvue	.254 G-s	
POV - Pump Outboard Vertical	.077 In/Sec	.208 G-s
POA - Pump Outboard Axial	.100 In/Sec	.168 G-s

SAR39C - Boiler Feed H2O Pmp NE	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.270 In/Sec	.357 G-s
MOP - Motor Outboard Horz Peakvue	.0091 G-s	
MOV - Motor Outboard Vertical	.056 In/Sec	.338 G-s
MOA - Motor Outboard Axial	.037 In/Sec	.369 G-s
MIH - Motor Inboard Horizontal	.237 In/Sec	.945 G-s
MIP - Motor Inboard Horz Peakvue	.023 G-s	
MITV - Motor Inboard Vertical	.115 In/Sec	.759 G-s
MIA - Motor Inboard Axial	.077 In/Sec	.717 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.108 In/Sec	.360 G-s
PIP - Pump Inboard Horz Peakvue	.022 G-s	
PIV - Pump Inboard Vertical	.113 In/Sec	.174 G-s
PIA - Pump Inboard Axial	.055 In/Sec	.103 G-s
POH - Pump Outboard Horizontal	.213 In/Sec	.930 G-s
POP - Pump Outboard Horz Peakvue	.244 G-s	
POV - Pump Outboard Vertical	.056 In/Sec	.513 G-s
POA - Pump Outboard Axial	.078 In/Sec	.220 G-s

SAR39D - Boiler Feed H2O Pmp SE	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.069 In/Sec	.387 G-s
MOP - Motor Outboard Horz Peakvue	.019 G-s	
MOV - Motor Outboard Vertical	.059 In/Sec	.118 G-s
MOA - Motor Outboard Axial	.107 In/Sec	.102 G-s
MIH - Motor Inboard Horizontal	.046 In/Sec	.599 G-s
MIP - Motor Inboard Horz Peakvue	.094 G-s	
MITV - Motor Inboard Vertical	.063 In/Sec	.260 G-s
MIA - Motor Inboard Axial	.088 In/Sec	.212 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.121 In/Sec	1.059 G-s
PIP - Pump Inboard Horz Peakvue	.148 G-s	
PIV - Pump Inboard Vertical	.070 In/Sec	.609 G-s
PIA - Pump Inboard Axial	.047 In/Sec	.539 G-s
POH - Pump Outboard Horizontal	.104 In/Sec	.092 G-s
POP - Pump Outboard Horz Peakvue	.0053 G-s	
POV - Pump Outboard Vertical	.088 In/Sec	.048 G-s
POA - Pump Outboard Axial	.048 In/Sec	.069 G-s

SAR39B - Boiler Feed H2O Pmp SW	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.043 In/Sec	.806 G-s
MOP - Motor Outboard Horz Peakvue	.046 G-s	
MOV - Motor Outboard Vertical	.052 In/Sec	.362 G-s
MOA - Motor Outboard Axial	.024 In/Sec	.205 G-s
MIH - Motor Inboard Horizontal	.054 In/Sec	1.014 G-s
MIP - Motor Inboard Horz Peakvue	.067 G-s	
MITV - Motor Inboard Vertical	.078 In/Sec	.264 G-s
MIA - Motor Inboard Axial	.024 In/Sec	.415 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.049 In/Sec	.255 G-s

PIP - Pump Inboard Horz Peakvue	.078 G-s	
PIV - Pump Inboard Vertical	.066 In/Sec	.253 G-s
PIA - Pump Inboard Axial	.056 In/Sec	.180 G-s
POH - Pump Outboard Horizontal	.032 In/Sec	.349 G-s
POP - Pump Outboard Horz Peakvue	.055 G-s	
POV - Pump Outboard Vertical	.041 In/Sec	.235 G-s
POA - Pump Outboard Axial	.082 In/Sec	.165 G-s

SAR54C - Weak Acid Xfer Pump S	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.044 In/Sec	.307 G-s
MOP - Motor Outboard Horz Peakvue	.069 G-s	
MOV - Motor Outboard Vertical	.066 In/Sec	.101 G-s
MOA - Motor Outboard Axial	.055 In/Sec	.071 G-s
MIH - Motor Inboard Horizontal	.050 In/Sec	.557 G-s
MIP - Motor Inboard Horz Peakvue	.284 G-s	
MIV - Motor Inboard Vertical	.043 In/Sec	.155 G-s
MIA - Motor Inboard Axial	.067 In/Sec	.104 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.104 In/Sec	.691 G-s
PIP - Pump Inboard Horz Peakvue	.012 G-s	
PIV - Pump Inboard Vertical	.084 In/Sec	.343 G-s
PIA - Pump Inboard Axial	.081 In/Sec	.444 G-s

SAR54B - Weak Acid Xfer Pump N	(01-Oct-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.060 In/Sec	.266 G-s
MOP - Motor Outboard Horz Peakvue	.081 G-s	
MOV - Motor Outboard Vertical	.112 In/Sec	.138 G-s
MOA - Motor Outboard Axial	.089 In/Sec	.103 G-s
MIH - Motor Inboard Horizontal	.049 In/Sec	.436 G-s
MIP - Motor Inboard Horz Peakvue	.074 G-s	
MIV - Motor Inboard Vertical	.094 In/Sec	.097 G-s
MIA - Motor Inboard Axial	.085 In/Sec	.056 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.132 In/Sec	.736 G-s
PIP - Pump Inboard Horz Peakvue	.234 G-s	
PIV - Pump Inboard Vertical	.056 In/Sec	.371 G-s
PIA - Pump Inboard Axial	.075 In/Sec	.683 G-s

SAR50A - Drying Tower Circ Pump W	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.185 In/Sec	.389 G-s
MOP - Motor Outboard Horz Peakvue	.083 G-s	
MOV - Motor Outboard Vertical N-S	.107 In/Sec	.275 G-s
MOA - Motor Outboard Axial	.178 In/Sec	.144 G-s
MIH - Motor Inboard Horizontal E-W	.133 In/Sec	.668 G-s
MIP - Motor Inboard Horz Peakvue	.101 G-s	
MIV - Motor Inboard Vertical N-S	.140 In/Sec	.422 G-s
MIA - Motor Inboard Axial	.134 In/Sec	.143 G-s

SAR66E - Vertical Cool Twr Pump #5	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.118 In/Sec	.183 G-s
MOP - Motor Outboard Horz Peakvue	.075 G-s	
MOV - Motor Outboard Vertical N-S	.398 In/Sec	.284 G-s
MOA - Motor Outboard Axial	.087 In/Sec	.340 G-s

MIH - Motor Inboard Horizontal E-W	.045 In/Sec	.531 G-s
MIP - Motor Inboard Horz Peakvue	.219 G-s	
MIV - Motor Inboard Vertical N-S	.125 In/Sec	.365 G-s
MIA - Motor Inboard Axial	.158 In/Sec	.303 G-s

SAR66D - Vertical Cool Twr Pump #4	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.113 In/Sec	.080 G-s
MOP - Motor Outboard Horz Peakvue	.042 G-s	
MOV - Motor Outboard Vertical	.096 In/Sec	.066 G-s
MOA - Motor Outboard Axial	.066 In/Sec	.087 G-s
MIH - Motor Inboard Horizontal	.068 In/Sec	.072 G-s
MIP - Motor Inboard Horz Peakvue	.037 G-s	
MIV - Motor Inboard Vertical	.140 In/Sec	.049 G-s
MIA - Motor Inboard Axial	.116 In/Sec	.062 G-s

SAR66C - Vertical Cool Twr Pump #3	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.415 In/Sec	.082 G-s
MOP - Motor Outboard Horz Peakvue	.044 G-s	
MOV - Motor Outboard Vertical	.110 In/Sec	.035 G-s
MOA - Motor Outboard Vertical	.238 In/Sec	.040 G-s
MIH - Motor Inboard Horizontal	.183 In/Sec	.056 G-s
MIP - Motor Inboard Horz Peakvue	.036 G-s	
MIV - Motor Inboard Vertical	.136 In/Sec	.024 G-s
MIA - Motor Inboard Axial	.081 In/Sec	.044 G-s

SAR66B - Vertical Cool Twr Pump #2	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.256 In/Sec	.118 G-s
MOP - Motor Outboard Horz Peakvue	.054 G-s	
MOV - Motor Outboard Vertical	.154 In/Sec	.101 G-s
MOA - Motor Outboard Axial	.459 In/Sec	.107 G-s
MIH - Motor Inboard Horizontal	.133 In/Sec	.144 G-s
MIP - Motor Inboard Horz Peakvue	.081 G-s	
MIV - Motor Inboard Vertical	.189 In/Sec	.063 G-s
MIA - Motor Inboard Axial	.190 In/Sec	.051 G-s

SAR66A - Vertical Cool Twr Pump #1	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.483 In/Sec	.178 G-s
MOP - Motor Outboard Horz Peakvue	.064 G-s	
MOV - Motor Outboard Vertical	.282 In/Sec	.074 G-s
MOA - Motor Outboard Axial	.504 In/Sec	.088 G-s
MIH - Motor Inboard Horizontal	.190 In/Sec	.102 G-s
MIP - Motor Inboard Horz Peakvue	.089 G-s	
MIV - Motor Inboard Vertical	.264 In/Sec	.091 G-s
MIA - Motor Inboard Axial	.202 In/Sec	.050 G-s

SAR78A - Cooling Tower Fan #1	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.200 In/Sec	.421 G-s
MOP - Motor Outboard Horz Peakvue	.215 G-s	
MOV - Motor Outboard Vertical	.397 In/Sec	.299 G-s
MOA - Motor Outboard Axial	.144 In/Sec	.290 G-s
MIH - Motor Inboard Horizontal	.109 In/Sec	.549 G-s
MIP - Motor Inboard Horz Peakvue	.256 G-s	

MIV - Motor Inboard Vertical	.136 In/Sec	.416 G-s
MIA - Motor Inboard Axial	.146 In/Sec	.231 G-s
SAR78B - Cooling Tower Fan #2		
	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.071 In/Sec	.710 G-s
MOP - Motor Outboard Horz Peakvue	.252 G-s	
MOV - Motor Outboard Vertical	.071 In/Sec	.094 G-s
MOA - Motor Outboard Axial	.174 In/Sec	.130 G-s
MIH - Motor Inboard Horizontal	.119 In/Sec	1.747 G-s
MIP - Motor Inboard Horz Peakvue	.104 G-s	
MIV - Motor Inboard Vertical	.135 In/Sec	.757 G-s
MIA - Motor Inboard Axial	.177 In/Sec	.251 G-s
SAR78C - Cooling Tower Fan #3		
	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.077 In/Sec	1.019 G-s
MOP - Motor Outboard Horz Peakvue	.464 G-s	
MOV - Motor Outboard Vertical	.080 In/Sec	.375 G-s
MOA - Motor Outboard Axial	.163 In/Sec	.184 G-s
MIH - Motor Inboard Horizontal	.084 In/Sec	1.358 G-s
MIP - Motor Inboard Horz Peakvue	.604 G-s	
MIV - Motor Inboard Vertical	.142 In/Sec	.814 G-s
MIA - Motor Inboard Axial	.177 In/Sec	.704 G-s
SAR78D - Cooling Tower Fan #4		
	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.104 In/Sec	.583 G-s
MOP - Motor Outboard Horz Peakvue	.271 G-s	
MOV - Motor Outboard Vertical	.204 In/Sec	.299 G-s
MOA - Motor Outboard Axial	.234 In/Sec	.210 G-s
MIH - Motor Inboard Horizontal	.109 In/Sec	.480 G-s
MIP - Motor Inboard Horz Peakvue	.256 G-s	
MIV - Motor Inboard Vertical	.214 In/Sec	.347 G-s
MIA - Motor Inboard Axial	.185 In/Sec	.293 G-s
SAR161C - N SAR Cool Twr Fan E		
	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.101 In/Sec	.312 G-s
MOP - Motor Outboard Horz Peakvue	.109 G-s	
MOV - Motor Outboard Vertical	.137 In/Sec	.094 G-s
MOA - Motor Outboard Axial	.232 In/Sec	.098 G-s
MIH - Motor Inboard Horizontal	.240 In/Sec	.314 G-s
MIP - Motor Inboard Horz Peakvue	.092 G-s	
MIV - Motor Inboard Vertical	.176 In/Sec	.181 G-s
MIA - Motor Inboard Axial	.233 In/Sec	.104 G-s
SAR161B - N SAR Cool Twr Fan Middle		
	(29-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.118 In/Sec	.832 G-s
MOP - Motor Outboard Horz Peakvue	.272 G-s	
MOV - Motor Outboard Vertical	.121 In/Sec	.467 G-s
MOA - Motor Outboard Axial	.131 In/Sec	.238 G-s
MIH - Motor Inboard Horizontal	.128 In/Sec	.983 G-s
MIP - Motor Inboard Horz Peakvue	.240 G-s	
MIV - Motor Inboard Vertical	.121 In/Sec	.747 G-s
MIA - Motor Inboard Axial	.132 In/Sec	.602 G-s

SAR161A	- N SAR Cool Twr Fan W	(29-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.130 In/Sec	.840 G-s
MOP - Motor Outboard Horz Peakvue		.339 G-s	
MOV - Motor Outboard Vertical		.167 In/Sec	.292 G-s
MOA - Motor Outboard Axial		.247 In/Sec	.231 G-s
MIH - Motor Inboard Horizontal		.258 In/Sec	1.518 G-s
MIP - Motor Inboard Horz Peakvue		.783 G-s	
MIV - Motor Inboard Vertical		.071 In/Sec	.369 G-s
MIA - Motor Inboard Axial		.229 In/Sec	.264 G-s
SAR231A	- Final Twr Circ Pump N	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W		.072 In/Sec	.783 G-s
MOP - Motor Outboard Horz Peakvue		.308 G-s	
MOV - Motor Outboard Vertical N-S		.058 In/Sec	.383 G-s
MOA - Motor Outboard Axial		.123 In/Sec	.295 G-s
MIH - Motor Inboard Horizontal E-W		.052 In/Sec	.602 G-s
MIP - Motor Inboard Horz Peakvue		.235 G-s	
MIV - Motor Inboard Vertical N-S		.053 In/Sec	.180 G-s
MIA - Motor Inboard Axial		.098 In/Sec	.215 G-s
SAR 56A	- N Oleum Storage Tank Feed	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal		.090 In/Sec	.188 G-s
M1P - Motor Outboard Horz Peakvue		.021 G-s	
M1V - Motor Outboard Vertical		.038 In/Sec	.066 G-s
M1A - Motor Outboard Axial		.072 In/Sec	.041 G-s
M2H - Motor Inboard Horizontal		.067 In/Sec	.220 G-s
M2P - Motor Inboard Horz Peakvue		.118 G-s	
M2V - Motor Inboard Vertical		.045 In/Sec	.072 G-s
M2A - Motor Inboard Axial		.062 In/Sec	.057 G-s
		OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal		.106 In/Sec	.097 G-s
P1P - Pump Inboard Horz Peakvue		.055 G-s	
P1V - Pump Inboard Vertical		.052 In/Sec	.066 G-s
P1A - Pump Inboard Axial		.067 In/Sec	.049 G-s
SAR 56B	- M Oleum Storage Tank Feed	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal		.061 In/Sec	.181 G-s
M1P - Motor Outboard Horz Peakvue		.095 G-s	
M1V - Motor Outboard Vertical		.059 In/Sec	.081 G-s
M1A - Motor Outboard Axial		.117 In/Sec	.083 G-s
M2H - Motor Inboard Horizontal		.133 In/Sec	.207 G-s
M2P - Motor Inboard Horz Peakvue		.050 G-s	
M2V - Motor Inboard Vertical		.117 In/Sec	.065 G-s
M2A - Motor Inboard Axial		.061 In/Sec	.076 G-s
		OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal		.171 In/Sec	.177 G-s
P1P - Pump Inboard Horz Peakvue		.098 G-s	
P1V - Pump Inboard Vertical		.085 In/Sec	.055 G-s
P1A - Pump Inboard Axial		.065 In/Sec	.058 G-s
SAR 56C	- S Oleum Storage Tank Feed	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz

M1H - Motor Outboard Horizontal	.042 In/Sec	.192 G-s
M1P - Motor Outboard Horz Peakvue	.061 G-s	
M1V - Motor Outboard Vertical	.028 In/Sec	.163 G-s
M1A - Motor Outboard Axial	.019 In/Sec	.047 G-s
M2H - Motor Inboard Horizontal	.066 In/Sec	.248 G-s
M2P - Motor Inboard Horz Peakvue	.197 G-s	
M2V - Motor Inboard Vertical	.049 In/Sec	.152 G-s
M2A - Motor Inboard Axial	.040 In/Sec	.109 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.064 In/Sec	.204 G-s
P1P - Pump Inboard Horz Peakvue	.015 G-s	
P1V - Pump Inboard Vertical	.030 In/Sec	.092 G-s
P1A - Pump Inboard Axial	.039 In/Sec	.022 G-s
SAR57A - Oleum Twr Circ Pump W	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.066 In/Sec	.486 G-s
MOP - Motor Outboard Horz Peakvue	.021 G-s	
MOV - Motor Outboard Vertical N-S	.054 In/Sec	.095 G-s
MOA - Motor Outboard Axial	.067 In/Sec	.075 G-s
MIH - Motor Inboard Horizontal E-W	.087 In/Sec	1.640 G-s
MIP - Motor Inboard Horz Peakvue	.397 G-s	
MIV - Motor Inboard Vertical N-S	.133 In/Sec	2.318 G-s
MIA - Motor Inboard Axial	.090 In/Sec	1.446 G-s
SAR37A - Interpass Twr Circ Pump N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.051 In/Sec	.377 G-s
MOP - Motor Outboard Horz Peakvue	.187 G-s	
MOV - Motor Outboard Vertical N-S	.048 In/Sec	.179 G-s
MOA - Motor Outboard Axial	.067 In/Sec	.125 G-s
MIH - Motor Inboard Horizontal E-W	.043 In/Sec	.502 G-s
MIP - Motor Inboard Horz Peakvue	.207 G-s	
MIV - Motor Inboard Vertical N-S	.043 In/Sec	.174 G-s
MIA - Motor Inboard Axial	.053 In/Sec	.182 G-s
SAR14 - Combustion Air Fan W	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.088 In/Sec	1.058 G-s
MOP - Motor Outboard Horz Peakvue	.454 G-s	
MOV - Motor Outboard Vertical	.055 In/Sec	.564 G-s
MOA - Motor Outboard Axial	.046 In/Sec	.457 G-s
MIH - Motor Inboard Horizontal	.086 In/Sec	1.563 G-s
MIP - Motor Inboard Horz Peakvue	.658 G-s	
MIV - Motor Inboard Vertical	.075 In/Sec	.888 G-s
MIA - Motor Inboard Axial	.048 In/Sec	1.174 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.088 In/Sec	1.327 G-s
FIP - Fan Inboard Horz Peakvue	.229 G-s	
FIV - Fan Inboard Vertical	.034 In/Sec	.698 G-s
FIA - Fan Inboard Axial	.061 In/Sec	.122 G-s
FOH - Fan Outboard Horizontal	.103 In/Sec	1.330 G-s
FOP - Fan Outboard Horz Peakvue	.731 G-s	
FOV - Fan Outboard Vertical	.048 In/Sec	.907 G-s
FOA - Fan Outboard Axial	.059 In/Sec	.302 G-s
SAR11 - Recycle Fan W	(28-Sep-20)	

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.034 In/Sec	.657 G-s
MOP - Motor Outboard Horz Peakvue	.373 G-s	
MOV - Motor Outboard Vertical	.041 In/Sec	.182 G-s
MOA - Motor Outboard Axial	.046 In/Sec	.157 G-s
MIH - Motor Inboard Horizontal	.027 In/Sec	.406 G-s
MIP - Motor Inboard Horz Peakvue	.226 G-s	
MIV - Motor Inboard Vertical	.041 In/Sec	.220 G-s
MIA - Motor Inboard Axial	.047 In/Sec	.170 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.017 In/Sec	.0085 G-s
FIP - Fan Inboard Horz Peakvue	.0026 G-s	
FIV - Fan Inboard Vertical	.012 In/Sec	.0052 G-s
FIA - Fan Inboard Axial	.015 In/Sec	.0025 G-s
FOH - Fan Outboard Horizontal	.018 In/Sec	.014 G-s
FOP - Fan Outboard Horz Peakvue	.0075 G-s	
FOV - Fan Outboard Vertical	.012 In/Sec	.012 G-s
FOA - Fan Outboard Axial	.022 In/Sec	.0054 G-s
SAR15 - Process Air Fan W	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.058 In/Sec	.383 G-s
MOP - Motor Outboard Horz Peakvue	.146 G-s	
MOV - Motor Outboard Vertical	.055 In/Sec	.509 G-s
MOA - Motor Outboard Axial	.060 In/Sec	.387 G-s
MIH - Motor Inboard Horizontal	.052 In/Sec	.774 G-s
MIP - Motor Inboard Horz Peakvue	.384 G-s	
MIV - Motor Inboard Vertical	.048 In/Sec	.099 G-s
MIA - Motor Inboard Axial	.064 In/Sec	.392 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.059 In/Sec	.813 G-s
FIP - Fan Inboard Horz Peakvue	.448 G-s	
FIV - Fan Inboard Vertical	.071 In/Sec	.734 G-s
FIA - Fan Inboard Axial	.082 In/Sec	.875 G-s
FOH - Fan Outboard Horizontal	.078 In/Sec	.830 G-s
FOP - Fan Outboard Horz Peakvue	.454 G-s	
FOV - Fan Outboard Vertical	.047 In/Sec	.439 G-s
FOA - Fan Outboard Axial	.049 In/Sec	.203 G-s
SAR12 - Recycle Fan E	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.112 In/Sec	.595 G-s
MOP - Motor Outboard Horz Peakvue	.151 G-s	
MOV - Motor Outboard Vertical	.104 In/Sec	.233 G-s
MOA - Motor Outboard Axial	.196 In/Sec	.111 G-s
MIH - Motor Inboard Horizontal	.122 In/Sec	1.509 G-s
MIP - Motor Inboard Horz Peakvue	.971 G-s	
MIV - Motor Inboard Vertical	.194 In/Sec	.660 G-s
MIA - Motor Inboard Axial	.180 In/Sec	.428 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.099 In/Sec	.157 G-s
FIP - Fan Inboard Horz Peakvue	.200 G-s	
FIV - Fan Inboard Vertical	.076 In/Sec	.153 G-s
FIA - Fan Inboard Axial	.109 In/Sec	.115 G-s
FOH - Fan Outboard Horizontal	.129 In/Sec	.297 G-s
FOP - Fan Outboard Horz Peakvue	.096 G-s	
FOV - Fan Outboard Vertical	.180 In/Sec	.239 G-s

FOA - Fan Outboard Axial	.237 In/Sec	.206 G-s
SAR10 - Process Air Fan E		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.099 In/Sec	.350 G-s
MOP - Motor Outboard Horz Peakvue	.178 G-s	
MOV - Motor Outboard Vertical	.042 In/Sec	.271 G-s
MOA - Motor Outboard Axial	.076 In/Sec	.183 G-s
MIH - Motor Inboard Horizontal	.079 In/Sec	.446 G-s
MIP - Motor Inboard Horz Peakvue	.248 G-s	
MIV - Motor Inboard Vertical	.080 In/Sec	.285 G-s
MIA - Motor Inboard Axial	.057 In/Sec	.266 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.088 In/Sec	3.895 G-s
FIP - Fan Inboard Horz Peakvue	2.470 G-s	
FIV - Fan Inboard Vertical	.104 In/Sec	1.578 G-s
FIA - Fan Inboard Axial	.105 In/Sec	.807 G-s
FOH - Fan Outboard Horizontal	.158 In/Sec	1.800 G-s
FOP - Fan Outboard Horz Peakvue	1.132 G-s	
FOV - Fan Outboard Vertical	.118 In/Sec	.761 G-s
FOA - Fan Outboard Axial	.235 In/Sec	.667 G-s
SAR13 - Combustion Air Fan E		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.074 In/Sec	.730 G-s
MOP - Motor Outboard Horz Peakvue	.397 G-s	
MOV - Motor Outboard Vertical	.068 In/Sec	.296 G-s
MOA - Motor Outboard Axial	.108 In/Sec	.127 G-s
MIH - Motor Inboard Horizontal	.082 In/Sec	.507 G-s
MIP - Motor Inboard Horz Peakvue	.229 G-s	
MIV - Motor Inboard Vertical	.038 In/Sec	.269 G-s
MIA - Motor Inboard Axial	.091 In/Sec	.396 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.067 In/Sec	.555 G-s
FIP - Fan Inboard Horz Peakvue	.302 G-s	
FIV - Fan Inboard Vertical	.068 In/Sec	.326 G-s
FIA - Fan Inboard Axial	.069 In/Sec	.343 G-s
FOH - Fan Outboard Horizontal	.041 In/Sec	.464 G-s
FOP - Fan Outboard Horz Peakvue	.248 G-s	
FOV - Fan Outboard Vertical	.132 In/Sec	.233 G-s
FOA - Fan Outboard Axial	.049 In/Sec	.165 G-s
SAR61NM - Spent Acid Circ Pmp N		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal	.021 In/Sec	.037 G-s
MIP - Motor Inboard Horz Peakvue	.0057 G-s	
MIV - Motor Inboard Vertical	.084 In/Sec	.019 G-s
MIA - Motor Inboard Axial	.088 In/Sec	.012 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.023 In/Sec	.102 G-s
PIP - Pump Inboard Horz Peakvue	.065 G-s	
PIV - Pump Inboard Vertical	.040 In/Sec	.144 G-s
PIA - Pump Inboard Axial	.054 In/Sec	.112 G-s
SAR63WM - Spent Acid Feed Pmp W		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.033 In/Sec	.041 G-s

MOP - Motor Outboard Horz Peakvue	.0055 G-s	
MOV - Motor Outboard Vertical	.024 In/Sec	.025 G-s
MOA - Motor Outboard Axial	.021 In/Sec	.021 G-s
MIH - Motor Inboard Horizontal	.038 In/Sec	.283 G-s
MIP - Motor Inboard Horz Peakvue	.0099 G-s	
MIV - Motor Inboard Vertical	.048 In/Sec	.046 G-s
MIA - Motor Inboard Axial	.036 In/Sec	.050 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.071 In/Sec	.633 G-s
PIP - Pump Inboard Horz Peakvue	.041 G-s	
PIV - Pump Inboard Vertical	.049 In/Sec	.255 G-s
PIA - Pump Inboard Axial	.071 In/Sec	.266 G-s
SAR135 - Spent Acid Circ Pmp E	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.028 In/Sec	.033 G-s
MOP - Motor Outboard Horz Peakvue	.0039 G-s	
MOV - Motor Outboard Vertical	.084 In/Sec	.0057 G-s
MOA - Motor Outboard Axial	.055 In/Sec	.0032 G-s
MIH - Motor Inboard Horizontal	.038 In/Sec	.395 G-s
MIP - Motor Inboard Horz Peakvue	.050 G-s	
MIV - Motor Inboard Vertical	.061 In/Sec	.075 G-s
MIA - Motor Inboard Axial	.034 In/Sec	.028 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.066 In/Sec	.301 G-s
PIP - Pump Inboard Horz Peakvue	.057 G-s	
PIV - Pump Inboard Vertical	.052 In/Sec	.088 G-s
PIA - Pump Inboard Axial	.039 In/Sec	.085 G-s
SAR63EM - Spent Acid Feed Pmp E	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.026 In/Sec	.197 G-s
MOP - Motor Outboard Horz Peakvue	.0073 G-s	
MOV - Motor Outboard Vertical	.035 In/Sec	.107 G-s
MOA - Motor Outboard Axial	.049 In/Sec	.054 G-s
MIH - Motor Inboard Horizontal	.030 In/Sec	.172 G-s
MIP - Motor Inboard Horz Peakvue	.019 G-s	
MIV - Motor Inboard Vertical	.034 In/Sec	.038 G-s
MIA - Motor Inboard Axial	.031 In/Sec	.033 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.027 In/Sec	.134 G-s
PIP - Pump Inboard Horz Peakvue	.021 G-s	
PIV - Pump Inboard Vertical	.016 In/Sec	.070 G-s
PIA - Pump Inboard Axial	.016 In/Sec	.080 G-s
SAR157 - Spent Acid Feed Booster S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal	.035 In/Sec	.167 G-s
MIP - Motor Inboard Horz Peakvue	.089 G-s	
MIV - Motor Inboard Vertical	.054 In/Sec	.064 G-s
MIA - Motor Inboard Axial	.061 In/Sec	.047 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.106 In/Sec	.144 G-s
PIP - Pump Inboard Horz Peakvue	.098 G-s	
PIV - Pump Inboard Vertical	.036 In/Sec	.062 G-s
PIA - Pump Inboard Axial	.081 In/Sec	.053 G-s

MON169	- A/B Booster Pump W	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.081 In/Sec	.442 G-s
MOP - Motor Outboard Horz Peakvue		.178 G-s	
MOV - Motor Outboard Vertical		.048 In/Sec	.129 G-s
MOA - Motor Outboard Axial		.078 In/Sec	.105 G-s
MIH - Motor Inboard Horizontal		.062 In/Sec	.322 G-s
MIP - Motor Inboard Horz Peakvue		.176 G-s	
MIV - Motor Inboard Vertical		.035 In/Sec	.219 G-s
MIA - Motor Inboard Axial		.058 In/Sec	.205 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.151 In/Sec	.102 G-s
PIP - Pump Inboard Horz Peakvue		.073 G-s	
PIV - Pump Inboard Vertical		.063 In/Sec	.069 G-s
PIA - Pump Inboard Axial		.061 In/Sec	.043 G-s
MON168	- A/B Booster Pump E	(29-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.036 In/Sec	.339 G-s
MOP - Motor Outboard Horz Peakvue		.146 G-s	
MOV - Motor Outboard Vertical		.032 In/Sec	.125 G-s
MOA - Motor Outboard Axial		.024 In/Sec	.063 G-s
MIH - Motor Inboard Horizontal		.023 In/Sec	.208 G-s
MIP - Motor Inboard Horz Peakvue		.132 G-s	
MIV - Motor Inboard Vertical		.026 In/Sec	.114 G-s
MIA - Motor Inboard Axial		.027 In/Sec	.088 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.064 In/Sec	.116 G-s
PIP - Pump Inboard Horz Peakvue		.075 G-s	
PIV - Pump Inboard Vertical		.026 In/Sec	.081 G-s
PIA - Pump Inboard Axial		.044 In/Sec	.052 G-s
MON73W	- Skim Tub Xfer Pmp W	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.031 In/Sec	.373 G-s
MOP - Motor Outboard Horz Peakvue		.018 G-s	
MOV - Motor Outboard Vertical		.036 In/Sec	.162 G-s
MOA - Motor Outboard Axial		.036 In/Sec	.115 G-s
MIH - Motor Inboard Horizontal		.021 In/Sec	.371 G-s
MIP - Motor Inboard Horz Peakvue		.182 G-s	
MIV - Motor Inboard Vertical		.030 In/Sec	.126 G-s
MIA - Motor Inboard Axial		.038 In/Sec	.365 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.027 In/Sec	.053 G-s
PIP - Pump Inboard Horz Peakvue		.032 G-s	
PIV - Pump Inboard Vertical		.021 In/Sec	.037 G-s
PIA - Pump Inboard Axial		.017 In/Sec	.037 G-s
MON45WM	- ACH Ref Brine Pump W	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.036 In/Sec	2.362 G-s
MOP - Motor Outboard Horz Peakvue		.668 G-s	
MOV - Motor Outboard Vertical		.109 In/Sec	.936 G-s
MOA - Motor Outboard Axial		.068 In/Sec	.350 G-s
MIH - Motor Inboard Horizontal		.046 In/Sec	1.355 G-s
MIP - Motor Inboard Horz Peakvue		.875 G-s	
MIV - Motor Inboard Vertical		.093 In/Sec	.427 G-s

MIA - Motor Inboard Axial	.074 In/Sec	.236 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.182 In/Sec	.632 G-s
PIP - Pump Inboard Horz Peakvue	.365 G-s	
PIV - Pump Inboard Vertical	.117 In/Sec	.387 G-s
PIA - Pump Inboard Axial	.090 In/Sec	.341 G-s
POH - Pump Outboard Horizontal	.105 In/Sec	.987 G-s
POP - Pump Outboard Horz Peakvue	.622 G-s	
POV - Pump Outboard Vertical	.119 In/Sec	.339 G-s
POA - Pump Outboard Axial	.084 In/Sec	.254 G-s

AC17 - Carrier Ref Unit	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.025 In/Sec	.358 G-s
MOP - Motor Outboard Horz Peakvue	.026 G-s	
MOV - Motor Outboard Vertical	.028 In/Sec	.091 G-s
MOA - Motor Outboard Axial	.028 In/Sec	.045 G-s
MIH - Motor Inboard Horizontal	.031 In/Sec	.396 G-s
MIP - Motor Inboard Horz Peakvue	.031 G-s	
MIV - Motor Inboard Vertical	.022 In/Sec	.188 G-s
MIA - Motor Inboard Axial	.015 In/Sec	.123 G-s
IIH - Inboard Input Horizontal	.176 In/Sec	
IIP - Input Inboard Horizontal PK	1.505 G-s	
IIV - Inboard Input Vertical	.160 In/Sec	
IIA - Inboard Input Axial	.098 In/Sec	
OOH - Output Outboard Horizontal	.166 In/Sec	
OOP - Output Outboard Horizontal PK	2.072 G-s	
OOV - Output Outboard Vertical	.196 In/Sec	
OOA - Output Outboard Axial	.098 In/Sec	
CIH - Compressor Inboard Horizontal	.085 In/Sec	
CIP - Compressor Inboard Horz Peakvue	.622 G-s	
CIV - Compressor Inboard Vertical	.088 In/Sec	
CIA - Compressor Inboard Axial	.063 In/Sec	
COH - Compressor Outboard Horizontal	.041 In/Sec	
COP - Compressor Outboard Horz Peakvue	.245 G-s	
COV - Compressor Outboard Vertical	.043 In/Sec	
COA - Compressor Outboard Axial	.048 In/Sec	

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK
Dsp	-->	Mils	P-P

* - Indicates Data Has Date/Time Different From Equipment Date/Time
Abbreviated Last Measurement Summary

Database: Lucite Memphis MMA.rbm
Area: MMA
Route No. 7: TJ ROUTE 2
Report Date: 02-Oct-20 07:44

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
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MON80 - Uninhibited Mon Tank Pump N	(28-Sep-20)	

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.051 In/Sec	.123 G-s
MOP - Motor Outboard Horz Peakvue	.013 G-s	
MOV - MotorOutboard Vertical	.042 In/Sec	.419 G-s
MOA - Motor Outboard Axial	.130 In/Sec	.067 G-s
MIH - Motor Inboard Horizontal	.087 In/Sec	.270 G-s
MIP - Motor Inboard Horz Peakvue	.0058 G-s	
MIV - Motor Inboard Vertical	.127 In/Sec	.035 G-s
MIA - Motor Inboard Axial	.139 In/Sec	.018 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.145 In/Sec	.109 G-s
PIP - Pump Inboard Horz Peakvue	.0045 G-s	
PIV - Pump Inboard Vertical	.034 In/Sec	.066 G-s
PIA - Pump Inboard Axial	.055 In/Sec	.060 G-s
POH - Pump Outboard Horizontal	.104 In/Sec	.081 G-s
POP - Pump Outboard Horz Peakvue	.0050 G-s	
POV - Pump Outboard Vertical	.034 In/Sec	.046 G-s
POA - Pump Outboard Axial	.061 In/Sec	.044 G-s
MON81 - Uninhibited Mon Tank Pump S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.046 In/Sec	.142 G-s
MOP - Motor Outboard Horz Peakvue	.016 G-s	
MOV - MotorOutboard Vertical	.031 In/Sec	.119 G-s
MOA - Motor Outboard Axial	.051 In/Sec	.051 G-s
MIH - Motor Inboard Horizontal	.050 In/Sec	.136 G-s
MIP - Motor Inboard Horz Peakvue	.024 G-s	
MIV - Motor Inboard Vertical	.030 In/Sec	.045 G-s
MIA - Motor Inboard Axial	.044 In/Sec	.030 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.138 In/Sec	.618 G-s
PIP - Pump Inboard Horz Peakvue	.041 G-s	
PIV - Pump Inboard Vertical	.112 In/Sec	.296 G-s
PIA - Pump Inboard Axial	.101 In/Sec	.245 G-s
MON56 - Inhibited Mon Xfer Pump E	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.067 In/Sec	.274 G-s
MOP - Motor Outboard Horz Peakvue	.027 G-s	
MOV - Motor Outboard Vertical	.073 In/Sec	.042 G-s
MOA - Motor Outboard Axial	.065 In/Sec	.104 G-s
MIH - Motor Inboard Horizontal	.106 In/Sec	.311 G-s
MIP - Motor Inboard Horz Peakvue	.074 G-s	
MIV - Motor Inboard Vertical	.061 In/Sec	.075 G-s
MIA - Motor Inboard Axial	.122 In/Sec	.070 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.300 In/Sec	1.016 G-s
PIP - Pump Inboard Horz Peakvue	.108 G-s	
PIV - Pump Inboard Vertical	.261 In/Sec	.701 G-s
PIA - Pump Inboard Axial	.408 In/Sec	.333 G-s
MON40 - Acetone Pump	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.027 In/Sec	.403 G-s
MOP - Motor Outboard Horz Peakvue	.035 G-s	
MOV - Motor Outboard Vertical	.049 In/Sec	.119 G-s
MOA - Motor Outboard Axial	.041 In/Sec	.105 G-s

MIH - Motor Inboard Horizontal	.024 In/Sec	1.246 G-s
MIP - Motor Inboard Horz Peakvue	.159 G-s	
MIV - Motor Inboard Vertical	.044 In/Sec	.124 G-s
MIA - Motor Inboard Axial	.028 In/Sec	.149 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.139 In/Sec	.690 G-s
PIP - Pump Inboard Horz Peakvue	.105 G-s	
PIV - Pump Inboard Vertical	.108 In/Sec	.526 G-s
PIA - Pump Inboard Axial	.094 In/Sec	.456 G-s
ACN08 - ACH Blend Tank	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.074 In/Sec	.347 G-s
MOP - Motor Outboard Horz Peakvue	.032 G-s	
MOV - Motor Outboard Vertical	.404 In/Sec	.169 G-s
MOA - Motor Outboard Axial	.137 In/Sec	.156 G-s
MIH - Motor Inboard Horizontal	.094 In/Sec	1.036 G-s
MIP - Motor Inboard Horz Peakvue	.176 G-s	
MIV - Motor Inboard Vertical	.334 In/Sec	.311 G-s
MIA - Motor Inboard Axial	.231 In/Sec	.170 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.122 In/Sec	.547 G-s
PIP - Pump Inboard Horz Peakvue	.261 G-s	
PIV - Pump Inboard Vertical	.112 In/Sec	.167 G-s
PIA - Pump Inboard Axial	.091 In/Sec	.153 G-s
ACN07B - ACH Prod Feed Pump M	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.078 In/Sec	.895 G-s
MOP - Motor Outboard Horz Peakvue	.218 G-s	
MOV - Motor Outboard Vertical	.068 In/Sec	.354 G-s
MOA - Motor Outboard Axial	.071 In/Sec	.267 G-s
MIH - Motor Inboard Horizontal	.070 In/Sec	1.429 G-s
MIP - Motor Inboard Horz Peakvue	.326 G-s	
MIV - Motor Inboard Vertical	.084 In/Sec	.330 G-s
MIA - Motor Inboard Axial	.087 In/Sec	.355 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.152 In/Sec	1.394 G-s
PIP - Pump Inboard Horz Peakvue	.261 G-s	
PIV - Pump Inboard Vertical	.213 In/Sec	.648 G-s
PIA - Pump Inboard Axial	.182 In/Sec	.825 G-s
MON85E - Water Treatment Pmp E	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.137 In/Sec	.811 G-s
MOP - Motor Outboard Horz Peakvue	.115 G-s	
MOV - Motor Outboard Vertical	.101 In/Sec	.255 G-s
MOA - Motor Outboard Axial	.075 In/Sec	.088 G-s
MIH - Motor Inboard Horizontal	.128 In/Sec	.412 G-s
MIP - Motor Inboard Horz Peakvue	.061 G-s	
MIV - Motor Inboard Vertical	.188 In/Sec	.107 G-s
MIA - Motor Inboard Axial	.061 In/Sec	.080 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.151 In/Sec	.753 G-s
PIP - Pump Inboard Horz Peakvue	.475 G-s	
PIV - Pump Inboard Vertical	.119 In/Sec	.506 G-s
PIA - Pump Inboard Axial	.099 In/Sec	.271 G-s

MON85W	- Water Treatment Pmp W	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.167 In/Sec	.523 G-s
MOP - Motor Outboard Horz Peakvue		.063 G-s	
MOV - Motor Outboard Vertical		.173 In/Sec	.278 G-s
MOA - Motor Outboard Axial		.211 In/Sec	.164 G-s
MIH - Motor Inboard Horizontal		.157 In/Sec	.402 G-s
MIP - Motor Inboard Horz Peakvue		.204 G-s	
MIV - Motor Inboard Vertical		.231 In/Sec	.154 G-s
MIA - Motor Inboard Axial		.150 In/Sec	.141 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.224 In/Sec	.742 G-s
PIP - Pump Inboard Horz Peakvue		.517 G-s	
PIV - Pump Inboard Vertical		.149 In/Sec	.369 G-s
PIA - Pump Inboard Axial		.140 In/Sec	.346 G-s
ACN28B	- ACN Fan E	(29-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.239 In/Sec	.584 G-s
MOP - Motor Outboard Horz Peakvue		.224 G-s	
MOV - Motor Outboard Vertical		.222 In/Sec	.420 G-s
MOA - Motor Outboard Axial		.143 In/Sec	.217 G-s
MIH - Motor Inboard Horizontal		.281 In/Sec	.465 G-s
MIP - Motor Inboard Horz Peakvue		.212 G-s	
MIV - Motor Inboard Vertical		.449 In/Sec	.137 G-s
MIA - Motor Inboard Axial		.155 In/Sec	.196 G-s
ACN28A	- ACN Fan W	(29-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.120 In/Sec	.876 G-s
MOP - Motor Outboard Horz Peakvue		.258 G-s	
MOV - Motor Outboard Vertical		.258 In/Sec	.299 G-s
MOA - Motor Outboard Axial		.245 In/Sec	.107 G-s
MIH - Motor Inboard Horizontal		.291 In/Sec	1.900 G-s
MIP - Motor Inboard Horz Peakvue		.356 G-s	
MIV - Motor Inboard Vertical		.170 In/Sec	.667 G-s
MIA - Motor Inboard Axial		.221 In/Sec	.293 G-s
ACN29C	- ACN Cool Twr Pump S	(28-Sep-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.043 In/Sec	.642 G-s
MOP - Motor Outboard Horz Peakvue		.252 G-s	
MOV - Motor Outboard Vertical		.061 In/Sec	.187 G-s
MOA - Motor Outboard Axial		.049 In/Sec	.222 G-s
MIH - Motor Inboard Horizontal		.038 In/Sec	.470 G-s
MIP - Motor Inboard Horz Peakvue		.225 G-s	
MIV - Motor Inboard Vertical		.072 In/Sec	.238 G-s
MIA - Motor Inboard Axial		.041 In/Sec	.274 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.155 In/Sec	.921 G-s
PIP - Pump Inboard Horz Peakvue		.422 G-s	
PIV - Pump Inboard Vertical		.133 In/Sec	.669 G-s
PIA - Pump Inboard Axial		.145 In/Sec	1.123 G-s
POH - Pump Outboard Horizontal		.124 In/Sec	1.129 G-s
POP - Pump Outboard Horz Peakvue		.274 G-s	
POV - Pump Outboard Vertical		.121 In/Sec	.341 G-s

POA - Pump Outboard Axial	.115 In/Sec	.342 G-s
ACN29B - ACN Cool Twr Pump M		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.046 In/Sec	1.061 G-s
MOP - Motor Outboard Horz Peakvue	.514 G-s	
MOV - Motor Outboard Vertical	.045 In/Sec	.309 G-s
MOA - Motor Outboard Axial	.058 In/Sec	.214 G-s
MIH - Motor Inboard Horizontal	.051 In/Sec	.693 G-s
MIP - Motor Inboard Horz Peakvue	.223 G-s	
MIV - Motor Inboard Vertical	.061 In/Sec	.278 G-s
MIA - Motor Inboard Axial	.040 In/Sec	.253 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.135 In/Sec	.568 G-s
PIP - Pump Inboard Horz Peakvue	.400 G-s	
PIV - Pump Inboard Vertical	.095 In/Sec	.239 G-s
PIA - Pump Inboard Axial	.146 In/Sec	.201 G-s
POH - Pump Outboard Horizontal	.082 In/Sec	.953 G-s
POP - Pump Outboard Horz Peakvue	.599 G-s	
POV - Pump Outboard Vertical	.092 In/Sec	.185 G-s
POA - Pump Outboard Axial	.111 In/Sec	.282 G-s
ACN29A - ACN Cool Twr Pump N		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.060 In/Sec	.880 G-s
MOP - Motor Outboard Horz Peakvue	.148 G-s	
MOV - Motor Outboard Vertical	.060 In/Sec	.408 G-s
MOA - Motor Outboard Axial	.053 In/Sec	.703 G-s
MIH - Motor Inboard Horizontal	.088 In/Sec	1.485 G-s
MIP - Motor Inboard Horz Peakvue	.225 G-s	
MIV - Motor Inboard Vertical	.052 In/Sec	.243 G-s
MIA - Motor Inboard Axial	.084 In/Sec	.951 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.168 In/Sec	.220 G-s
PIP - Pump Inboard Horz Peakvue	.065 G-s	
PIV - Pump Inboard Vertical	.109 In/Sec	.121 G-s
PIA - Pump Inboard Axial	.129 In/Sec	.120 G-s
POH - Pump Outboard Horizontal	.093 In/Sec	.933 G-s
POP - Pump Outboard Horz Peakvue	.654 G-s	
POV - Pump Outboard Vertical	.084 In/Sec	.333 G-s
POA - Pump Outboard Axial	.122 In/Sec	.256 G-s
ACN36 - ACH Neut Tank Circ Pmp		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal	.081 In/Sec	.265 G-s
MIP - Motor Inboard Horz Peakvue	.065 G-s	
MIV - Motor Inboard Vertical	.096 In/Sec	.107 G-s
MIA - Motor Inboard Axial	.075 In/Sec	.090 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.421 In/Sec	.157 G-s
PIP - Pump Inboard Horz Peakvue	.012 G-s	
PIV - Pump Inboard Vertical	.114 In/Sec	.095 G-s
PIA - Pump Inboard Axial	.328 In/Sec	.126 G-s
ACN12 - #1 Kettle Xfer Pump		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.053 In/Sec	.461 G-s

MOP - Motor Outboard Horz Peakvue	.059 G-s	
MOV - Motor Outboard Vertical	.097 In/Sec	.162 G-s
MOA - Motor Outboard Axial	.077 In/Sec	.185 G-s
MIH - Motor Inboard Horizontal	.049 In/Sec	.924 G-s
MIP - Motor Inboard Horz Peakvue	.176 G-s	
MIV - Motor Inboard Vertical	.082 In/Sec	.441 G-s
MIA - Motor Inboard Axial	.049 In/Sec	.184 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.048 In/Sec	.084 G-s
PIP - Pump Inboard Horz Peakvue	.012 G-s	
PIV - Pump Inboard Vertical	.042 In/Sec	.174 G-s
PIA - Pump Inboard Axial	.051 In/Sec	.145 G-s
ACN10 - #1 Kettle Circ Pmp	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.019 In/Sec	.397 G-s
MOP - Motor Outboard Horz Peakvue	.227 G-s	
MOV - Motor Outboard Vertical	.033 In/Sec	.353 G-s
MOA - Motor Outboard Axial	.026 In/Sec	.131 G-s
MIH - Motor Inboard Horizontal	.021 In/Sec	.458 G-s
MIP - Motor Inboard Horz Peakvue	.165 G-s	
MIV - Motor Inboard Vertical	.026 In/Sec	.156 G-s
MIA - Motor Inboard Axial	.032 In/Sec	.087 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.042 In/Sec	.209 G-s
PIP - Pump Inboard Horz Peakvue	.131 G-s	
PIV - Pump Inboard Vertical	.044 In/Sec	.097 G-s
PIA - Pump Inboard Axial	.032 In/Sec	.101 G-s
ACN13A - #2 Kettle Xfer Pump N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.137 In/Sec	1.501 G-s
MOP - Motor Outboard Horz Peakvue	.090 G-s	
MOV - Motor Outboard Vertical	.138 In/Sec	1.203 G-s
MOA - Motor Outboard Axial	.102 In/Sec	.787 G-s
MIH - Motor Inboard Horizontal	.151 In/Sec	3.448 G-s
MIP - Motor Inboard Horz Peakvue	.231 G-s	
MIV - Motor Inboard Vertical	.103 In/Sec	1.088 G-s
MIA - Motor Inboard Axial	.082 In/Sec	.767 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.082 In/Sec	.551 G-s
PIP - Pump Inboard Horz Peakvue	.046 G-s	
PIV - Pump Inboard Vertical	.116 In/Sec	.511 G-s
PIA - Pump Inboard Axial	.069 In/Sec	.405 G-s
ACN11 - #2 Kettle Circ Pump	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.021 In/Sec	.559 G-s
MOP - Motor Outboard Horz Peakvue	.304 G-s	
MOV - Motor Outboard Vertical	.049 In/Sec	.169 G-s
MOA - Motor Outboard Axial	.042 In/Sec	.147 G-s
MIH - Motor Inboard Horizontal	.022 In/Sec	.676 G-s
MIP - Motor Inboard Horz Peakvue	.318 G-s	
MIV - Motor Inboard Vertical	.045 In/Sec	.137 G-s
MIA - Motor Inboard Axial	.036 In/Sec	.216 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.036 In/Sec	.170 G-s

PIP - Pump Inboard Horz Peakvue	.102 G-s	
PIV - Pump Inboard Vertical	.043 In/Sec	.147 G-s
PIA - Pump Inboard Axial	.027 In/Sec	.134 G-s
ACN09 - ACH Flash Tank Pump	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.146 In/Sec	.498 G-s
MOP - Motor Outboard Horz Peakvue	.018 G-s	
MOV - Motor Outboard Vertical	.460 In/Sec	.156 G-s
MOA - Motor Outboard Axial	.362 In/Sec	.108 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.181 In/Sec	.142 G-s
PIP - Pump Inboard Horz Peakvue	.026 G-s	
PIV - Pump Inboard Vertical	.114 In/Sec	.254 G-s
PIA - Pump Inboard Axial	.088 In/Sec	.163 G-s
ACN23 - ACH Scrbr Circ Pump S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.020 In/Sec	.295 G-s
MOP - Motor Outboard Horz Peakvue	.131 G-s	
MOV - Motor Outboard Vertical	.031 In/Sec	.230 G-s
MOA - Motor Outboard Axial	.027 In/Sec	.284 G-s
MIH - Motor Inboard Horizontal	.021 In/Sec	.480 G-s
MIP - Motor Inboard Horz Peakvue	.279 G-s	
MIV - Motor Inboard Vertical	.037 In/Sec	.230 G-s
MIA - Motor Inboard Axial	.030 In/Sec	.251 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.101 In/Sec	.419 G-s
PIP - Pump Inboard Horz Peakvue	.297 G-s	
PIV - Pump Inboard Vertical	.100 In/Sec	.235 G-s
PIA - Pump Inboard Axial	.067 In/Sec	.154 G-s
ACN30 - ACH Scrubber Xfer Pmp	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.040 In/Sec	.255 G-s
MOP - Motor Outboard Horz Peakvue	.148 G-s	
MOV - Motor Outboard Vertical	.054 In/Sec	.243 G-s
MOA - Motor Outboard Axial	.117 In/Sec	.092 G-s
MIH - Motor Inboard Horizontal	.055 In/Sec	.427 G-s
MIP - Motor Inboard Horz Peakvue	.269 G-s	
MIV - Motor Inboard Vertical	.085 In/Sec	.158 G-s
MIA - Motor Inboard Axial	.097 In/Sec	.125 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.037 In/Sec	.079 G-s
PIP - Pump Inboard Horz Peakvue	.020 G-s	
PIV - Pump Inboard Vertical	.048 In/Sec	.082 G-s
PIA - Pump Inboard Axial	.044 In/Sec	.106 G-s
ACN05A - Topp Column Xfer Pmp W	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.048 In/Sec	.562 G-s
MOP - Motor Outboard Horz Peakvue	.077 G-s	
MOV - Motor Outboard Vertical	.089 In/Sec	.298 G-s
MOA - Motor Outboard Axial	.069 In/Sec	.087 G-s
MIH - Motor Inboard Horizontal	.048 In/Sec	.804 G-s
MIP - Motor Inboard Horz Peakvue	.182 G-s	
MIV - Motor Inboard Vertical	.040 In/Sec	.118 G-s

MIA - Motor Inboard Axial	.056 In/Sec	.102 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.131 In/Sec	.766 G-s
PIP - Pump Inboard Horz Peakvue	.196 G-s	
PIV - Pump Inboard Vertical	.114 In/Sec	.363 G-s
PIA - Pump Inboard Axial	.088 In/Sec	.412 G-s
ACN04 - Topping Col Circ Pump	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.025 In/Sec	.227 G-s
MOP - Motor Outboard Horz Peakvue	.131 G-s	
MOV - Motor Outboard Vertical	.028 In/Sec	.066 G-s
MOA - Motor Outboard Axial	.029 In/Sec	.069 G-s
MIH - Motor Inboard Horizontal	.020 In/Sec	.394 G-s
MIP - Motor Inboard Horz Peakvue	.299 G-s	
MIV - Motor Inboard Vertical	.027 In/Sec	.117 G-s
MIA - Motor Inboard Axial	.024 In/Sec	.071 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.096 In/Sec	.757 G-s
PIP - Pump Inboard Horz Peakvue	.635 G-s	
PIV - Pump Inboard Vertical	.065 In/Sec	.360 G-s
PIA - Pump Inboard Axial	.063 In/Sec	.443 G-s
POH - Pump Outboard Horizontal	.056 In/Sec	1.775 G-s
POP - Pump Outboard Horz Peakvue	1.499 G-s	
POV - Pump Outboard Vertical	.089 In/Sec	.213 G-s
POA - Pump Outboard Axial	.065 In/Sec	.398 G-s
MON38CNM - LBS Tails Pump N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.051 In/Sec	.391 G-s
MOP - Motor Outboard Horz Peakvue	.066 G-s	
MOV - Motor Outboard Vertical	.136 In/Sec	.171 G-s
MOA - Motor Outboard Axial	.060 In/Sec	.141 G-s
MIH - Motor Inboard Horizontal	.044 In/Sec	.658 G-s
MIP - Motor Inboard Horz Peakvue	.164 G-s	
MIV - Motor Inboard Vertical	.108 In/Sec	.213 G-s
MIA - Motor Inboard Axial	.056 In/Sec	.133 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.073 In/Sec	1.484 G-s
PIP - Pump Inboard Horz Peakvue	.275 G-s	
PIV - Pump Inboard Vertical	.078 In/Sec	.629 G-s
PIA - Pump Inboard Axial	.070 In/Sec	.586 G-s
MON38CSM - LBS Tails Pump S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.034 In/Sec	.219 G-s
MOP - Motor Outboard Horz Peakvue	.032 G-s	
MOV - Motor Outboard Vertical	.034 In/Sec	.081 G-s
MOA - Motor Outboard Axial	.046 In/Sec	.125 G-s
MIH - Motor Inboard Horizontal	.042 In/Sec	.578 G-s
MIP - Motor Inboard Horz Peakvue	.080 G-s	
MIV - Motor Inboard Vertical	.046 In/Sec	.088 G-s
MIA - Motor Inboard Axial	.035 In/Sec	.106 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.087 In/Sec	.294 G-s
PIP - Pump Inboard Horz Peakvue	.037 G-s	
PIV - Pump Inboard Vertical	.072 In/Sec	.179 G-s

PIA - Pump Inboard Axial	.052 In/Sec	.125 G-s
MON 63W - LBS Side Stream Pump W		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.069 In/Sec	.675 G-s
M1P - Motor Outboard Horz Peakvue	.032 G-s	
M1V - Motor Outboard Vertical	.107 In/Sec	.413 G-s
M1A - Motor Outboard Axial	.096 In/Sec	.547 G-s
M2H - Motor Inboard Horizontal	.060 In/Sec	.864 G-s
M2P - Motor Inboard Horz Peakvue	.073 G-s	
M2V - Motor Inboard Vertical	.161 In/Sec	.348 G-s
M2A - Motor Inboard Axial	.041 In/Sec	.287 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.314 In/Sec	.585 G-s
P1P - Pump Inboard Horz Peakvue	.163 G-s	
P1V - Pump Inboard Vertical	.180 In/Sec	.759 G-s
P1A - Pump Inboard Axial	.225 In/Sec	.964 G-s
MON 63E - LBS Side Stream Pump E		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.088 In/Sec	.660 G-s
M1P - Motor Outboard Horz Peakvue	.034 G-s	
M1V - Motor Outboard Vertical	.325 In/Sec	.339 G-s
M1A - Motor Outboard Axial	.180 In/Sec	.210 G-s
M2H - Motor Inboard Horizontal	.114 In/Sec	.792 G-s
M2P - Motor Inboard Horz Peakvue	.080 G-s	
M2V - Motor Inboard Vertical	.208 In/Sec	.309 G-s
M2A - Motor Inboard Axial	.117 In/Sec	.208 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.290 In/Sec	.518 G-s
P1P - Pump Inboard Horz Peakvue	.055 G-s	
P1V - Pump Inboard Vertical	.125 In/Sec	.334 G-s
P1A - Pump Inboard Axial	.166 In/Sec	.518 G-s
MON132 - Decanter Feed Pmp Spare		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.078 In/Sec	.276 G-s
MOP - Motor Outboard Horz Peakvue	.045 G-s	
MOV - Motor Outboard Vertical	.158 In/Sec	.115 G-s
MOA - Motor Outboard Axial	.174 In/Sec	.068 G-s
MIH - Motor Inboard Horizontal	.056 In/Sec	.392 G-s
MIP - Motor Inboard Horz Peakvue	.094 G-s	
MIV - Motor Inboard Vertical	.105 In/Sec	.152 G-s
MIA - Motor Inboard Axial	.135 In/Sec	.104 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.169 In/Sec	.748 G-s
PIP - Pump Inboard Horz Peakvue	.182 G-s	
PIV - Pump Inboard Vertical	.333 In/Sec	.293 G-s
PIA - Pump Inboard Axial	.083 In/Sec	.320 G-s
MON84 - WCM Tails Pump S		
	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.046 In/Sec	.450 G-s
MOP - Motor Outboard Horz Peakvue	.023 G-s	
MOV - Motor Outboard Vertical	.117 In/Sec	.097 G-s
MOA - Motor Outboard Axial	.065 In/Sec	.053 G-s
MIH - Motor Inboard Horizontal	.058 In/Sec	.277 G-s

MIP - Motor Inboard Horz Peakvue	.106 G-s	
MIV - Motor Inboard Vertical	.076 In/Sec	.073 G-s
MIA - Motor Inboard Axial	.062 In/Sec	.062 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.072 In/Sec	.446 G-s
PIP - Pump Inboard Horz Peakvue	.055 G-s	
PIV - Pump Inboard Vertical	.067 In/Sec	.372 G-s
PIA - Pump Inboard Axial	.068 In/Sec	.455 G-s
MON38A - LBS Reflux Pmp S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.047 In/Sec	.159 G-s
MOP - Motor Outboard Horz Peakvue	.025 G-s	
MOV - Motor Outboard Vertical	.031 In/Sec	.185 G-s
MOA - Motor Outboard Axial	.049 In/Sec	.037 G-s
MIH - Motor Inboard Horizontal	.032 In/Sec	.131 G-s
MIP - Motor Inboard Horz Peakvue	.016 G-s	
MIV - Motor Inboard Vertical	.060 In/Sec	.068 G-s
MIA - Motor Inboard Axial	.058 In/Sec	.040 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.055 In/Sec	.749 G-s
PIP - Pump Inboard Horz Peakvue	.146 G-s	
PIV - Pump Inboard Vertical	.066 In/Sec	.554 G-s
PIA - Pump Inboard Axial	.053 In/Sec	.218 G-s
MON38B - LBS Reflux Pmp N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.051 In/Sec	.513 G-s
MOP - Motor Outboard Horz Peakvue	.109 G-s	
MOV - Motor Outboard Vertical	.089 In/Sec	.133 G-s
MOA - Motor Outboard Axial	.040 In/Sec	.142 G-s
MIH - Motor Inboard Horizontal	.049 In/Sec	.460 G-s
MIP - Motor Inboard Horz Peakvue	.148 G-s	
MIV - Motor Inboard Vertical	.077 In/Sec	.101 G-s
MIA - Motor Inboard Axial	.038 In/Sec	.107 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.093 In/Sec	.876 G-s
PIP - Pump Inboard Horz Peakvue	.079 G-s	
PIV - Pump Inboard Vertical	.112 In/Sec	.412 G-s
PIA - Pump Inboard Axial	.112 In/Sec	.269 G-s
MON 32B - ARC Reflux Pmp S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.060 In/Sec	.494 G-s
M1P - Motor Outboard Horz Peakvue	.058 G-s	
M1V - Motor Outboard Vertical	.083 In/Sec	.234 G-s
M1A - Motor Outboard Axial	.103 In/Sec	.180 G-s
M2H - Motor Inboard Horizontal	.061 In/Sec	.457 G-s
M2P - Motor Inboard Horz Peakvue	.096 G-s	
M2V - Motor Inboard Vertical	.125 In/Sec	.158 G-s
M2A - Motor Inboard Axial	.082 In/Sec	.142 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.233 In/Sec	.616 G-s
P1P - Pump Inboard Horz Peakvue	.041 G-s	
P1V - Pump Inboard Vertical	.237 In/Sec	.554 G-s
P1A - Pump Inboard Axial	.308 In/Sec	.905 G-s
P2H - Pump Outboard Horizontal	.146 In/Sec	.714 G-s

P2P - Pump Outboard Horz Peakvue	.105 G-s	
P2V - Pump Outboard Vertical	.215 In/Sec	.836 G-s
P2A - Pump Outboard Axial	.227 In/Sec	.722 G-s

MON 32A - ARC Reflux Pmp N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
M1V - Motor Outboard Vertical	.091 In/Sec	.203 G-s
M1A - Motor Outboard Axial	.162 In/Sec	.080 G-s
M2H - Motor Inboard Horizontal	.147 In/Sec	.277 G-s
M2P - Motor Inboard Horz Peakvue	.028 G-s	
M2V - Motor Inboard Vertical	.088 In/Sec	.079 G-s
M2A - Motor Inboard Axial	.092 In/Sec	.093 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.113 In/Sec	.269 G-s
P1P - Pump Inboard Horz Peakvue	.036 G-s	
P1V - Pump Inboard Vertical	.214 In/Sec	.318 G-s
P1A - Pump Inboard Axial	.081 In/Sec	.263 G-s
P2H - Pump Outboard Horizontal	.065 In/Sec	.328 G-s
P2P - Pump Outboard Horz Peakvue	.086 G-s	
P2V - Pump Outboard Vertical	.205 In/Sec	.558 G-s
P2A - Pump Outboard Axial	.072 In/Sec	.358 G-s
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.074 In/Sec	.418 G-s
M1P - Motor Outboard Horz Peakvue	.088 G-s	

MON118 - Tempered H2O Pmp	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.092 In/Sec	.217 G-s
MOP - Motor Outboard Horz Peakvue	.122 G-s	
MOV - Motor Outboard Vertical	.030 In/Sec	.117 G-s
MOA - Motor Outboard Axial	.067 In/Sec	.089 G-s
MIH - Motor Inboard Horizontal	.069 In/Sec	.156 G-s
MIP - Motor Inboard Horz Peakvue	.074 G-s	
MIT - Motor Inboard Vertical	.035 In/Sec	.128 G-s
MIA - Motor Inboard Axial	.051 In/Sec	.046 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.045 In/Sec	.031 G-s
PIP - Pump Inboard Horz Peakvue	.019 G-s	
PIV - Pump Inboard Vertical	.037 In/Sec	.038 G-s
PIA - Pump Inboard Axial	.031 In/Sec	.023 G-s
POH - Pump Outboard Horizontal	.047 In/Sec	.046 G-s
POP - Pump Outboard Horz Peakvue	.025 G-s	
POV - Pump Outboard Vertical	.033 In/Sec	.026 G-s
POA - Pump Outboard Axial	.036 In/Sec	.026 G-s

MON55NM - HUT Pump N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.036 In/Sec	.213 G-s
MOP - Motor Outboard Horz Peakvue	.115 G-s	
MOV - Motor Outboard Vertical	.041 In/Sec	.112 G-s
MOA - Motor Outboard Axial	.031 In/Sec	.125 G-s
MIH - Motor Inboard Horizontal	.032 In/Sec	.287 G-s
MIP - Motor Inboard Horz Peakvue	.116 G-s	
MIT - Motor Inboard Vertical	.053 In/Sec	.103 G-s
MIA - Motor Inboard Axial	.030 In/Sec	.161 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.168 In/Sec	.884 G-s

PIP - Pump Inboard Horz Peakvue	.415 G-s	
PIV - Pump Inboard Vertical	.183 In/Sec	.424 G-s
PIA - Pump Inboard Axial	.157 In/Sec	.383 G-s
POH - Pump Outboard Horizontal	.102 In/Sec	1.522 G-s
POP - Pump Outboard Horz Peakvue	.786 G-s	
POV - Pump Outboard Vertical	.153 In/Sec	.381 G-s
POA - Pump Outboard Axial	.149 In/Sec	.375 G-s

MON55SM - HUT Pump S

(28-Sep-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.096 In/Sec	2.177 G-s
MOP - Motor Outboard Horz Peakvue	1.212 G-s	
MOV - Motor Outboard Vertical	.104 In/Sec	1.110 G-s
MOA - Motor Outboard Axial	.047 In/Sec	.522 G-s
MIH - Motor Inboard Horizontal	.087 In/Sec	2.377 G-s
MIP - Motor Inboard Horz Peakvue	.992 G-s	
MIV - Motor Inboard Vertical	.086 In/Sec	.631 G-s
MIA - Motor Inboard Axial	.054 In/Sec	.541 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.251 In/Sec	1.136 G-s
PIP - Pump Inboard Horz Peakvue	.690 G-s	
PIV - Pump Inboard Vertical	.146 In/Sec	.598 G-s
PIA - Pump Inboard Axial	.152 In/Sec	.622 G-s
POH - Pump Outboard Horizontal	.138 In/Sec	.610 G-s
POP - Pump Outboard Horz Peakvue	.268 G-s	
POV - Pump Outboard Vertical	.150 In/Sec	.329 G-s
POA - Pump Outboard Axial	.199 In/Sec	.353 G-s

MON67NM - PTZ Xfer Pump N

(28-Sep-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.075 In/Sec	.203 G-s
MOP - Motor Outboard Horz Peakvue	.040 G-s	
MOV - Motor Outboard Vertical	.068 In/Sec	.093 G-s
MOA - Motor Outboard Axial	.118 In/Sec	.111 G-s
MIH - Motor Inboard Horizontal	.112 In/Sec	.641 G-s
MIP - Motor Inboard Horz Peakvue	.073 G-s	
MIV - Motor Inboard Vertical	.124 In/Sec	.182 G-s
MIA - Motor Inboard Axial	.115 In/Sec	.147 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.155 In/Sec	.940 G-s
PIP - Pump Inboard Horz Peakvue	.104 G-s	
PIV - Pump Inboard Vertical	.085 In/Sec	.372 G-s
PIA - Pump Inboard Axial	.065 In/Sec	.369 G-s

MON68A - #1 Reactor H2O Circ Pump

(28-Sep-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.131 In/Sec	.391 G-s
MOP - Motor Outboard Horz Peakvue	.133 G-s	
MOV - Motor Outboard Vertical	.046 In/Sec	.234 G-s
MOA - Motor Outboard Axial	.068 In/Sec	.129 G-s
MIH - Motor Inboard Horizontal	.172 In/Sec	.225 G-s
MIP - Motor Inboard Horz Peakvue	.099 G-s	
MIV - Motor Inboard Vertical	.048 In/Sec	.052 G-s
MIA - Motor Inboard Axial	.057 In/Sec	.024 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.111 In/Sec	.194 G-s
PIP - Pump Inboard Horz Peakvue	.120 G-s	

PIV - Pump Inboard Vertical	.053 In/Sec	.278 G-s
PIA - Pump Inboard Axial	.062 In/Sec	.274 G-s
MON43A - Amide Reactor Circ Pmp #1N	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.209 In/Sec	.406 G-s
MOP - Motor Outboard Horz Peakvue	.248 G-s	
MOV - Motor Outboard Vertical	.521 In/Sec	.179 G-s
MOA - Motor Outboard Axial	.115 In/Sec	.117 G-s
MIH - Motor Inboard Horizontal	.224 In/Sec	.772 G-s
MIP - Motor Inboard Horz Peakvue	.614 G-s	
MIV - Motor Inboard Vertical	.458 In/Sec	.150 G-s
MIA - Motor Inboard Axial	.109 In/Sec	.107 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.155 In/Sec	.216 G-s
PIP - Pump Inboard Horz Peakvue	.177 G-s	
PIV - Pump Inboard Vertical	.145 In/Sec	.099 G-s
PIA - Pump Inboard Axial	.088 In/Sec	.055 G-s
MON43B - Amide Reactor Circ Pmp #2S	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.162 In/Sec	.205 G-s
MOP - Motor Outboard Horz Peakvue	.039 G-s	
MOV - Motor Outboard Vertical	.151 In/Sec	.075 G-s
MOA - Motor Outboard Axial	.116 In/Sec	.083 G-s
MIH - Motor Inboard Horizontal	.080 In/Sec	.036 G-s
MIP - Motor Inboard Horz Peakvue	.0064 G-s	
MIV - Motor Inboard Vertical	.152 In/Sec	.013 G-s
MIA - Motor Inboard Axial	.058 In/Sec	.012 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.210 In/Sec	.323 G-s
PIP - Pump Inboard Horz Peakvue	.162 G-s	
PIV - Pump Inboard Vertical	.157 In/Sec	.420 G-s
PIA - Pump Inboard Axial	.153 In/Sec	.283 G-s
MON65 - Amide Reactor Circ Primary	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.074 In/Sec	.140 G-s
MOP - Motor Outboard Horz Peakvue	.054 G-s	
MOV - Motor Outboard Vertical	.077 In/Sec	.073 G-s
MOA - Motor Outboard Axial	.138 In/Sec	.030 G-s
MIH - Motor Inboard Horizontal	.071 In/Sec	.764 G-s
MIP - Motor Inboard Horz Peakvue	.329 G-s	
MIV - Motor Inboard Vertical	.089 In/Sec	.162 G-s
MIA - Motor Inboard Axial	.100 In/Sec	.342 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.257 In/Sec	.415 G-s
PIP - Pump Inboard Horz Peakvue	.267 G-s	
PIV - Pump Inboard Vertical	.170 In/Sec	.219 G-s
PIA - Pump Inboard Axial	.204 In/Sec	.211 G-s
MON36 - Irganox Mix/Feed Pump	(28-Sep-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.054 In/Sec	.215 G-s
MOP - Motor Outboard Horz Peakvue	.046 G-s	
MOV - Motor Outboard Vertical	.040 In/Sec	.124 G-s
MOA - Motor Outboard Axial	.039 In/Sec	.253 G-s

IIH - Input Shaft Inboard Horizontal	.047 In/Sec	
IIP - Input Shaft Inboard Horz Peakvue	.190 G-s	
IIV - Input Shaft Inboard Vertical	.040 In/Sec	
IIA - Input Shaft Inboard Axial	.039 In/Sec	
	OVERALL LEVEL	1K-20KHz
POH - Pump Outboard Horizontal	.060 In/Sec	.512 G-s
POP - Pump Outboard Horz Peakvue	.271 G-s	
POV - Pump Outboard Vertical	.064 In/Sec	.574 G-s
POA - Pump Outboard Axial	.062 In/Sec	.494 G-s

Clarification Of Vibration Units:

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