

June 19, 2020

Lucite

Subject: June 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
Hi-Speed Industrial Service
dshook@gohispeed.com

Detailed Defects

SAR 03 Turbine Compressor Main Blower

A 1x RPM vibration dominated the data at near 0.7 mils p-p. The trend is slightly down this survey. We are taking this unit off the reported machine list, but still keep it as a critical unit and watch it closely.

SAR55A Neutralization Pump North

The data continues to indicate distress in the inboard motor bearing. Still recommend replacing the motor in the next few months or possibly sooner. **Rated a Class II Defect for now.**

MON56 Inhibited MON transfer pump E

The overall vibration continues to zigzag up and down; however, the pump axial vibration has jumped 0.5"/sec velocity peak and consists mostly of noise around 2-10 orders of shaft speed. We suspect recirculation caused by either pump wear or not running near the optimal point on the curve. Inspect as time allows. **Rated A Class II Defect.**

ACN13A #2 Kettle transfer pump N

This is the first data since January. The motor bearings appear to be in some distress. Be prepared to change the motor out in the future. **Rated a Class II Defect.**

SAR50A Drying Tower Circulation Pump W

The outboard end of the motor is vibrating at shaft speed.

Inspect the motor and pump for loose fasteners or coupling and motor cooling fan defects. Have the alignment checked also. **Rated a Class I Defect.**

Observations

MON132 Decanter Feed Pump Spare

A high 1xRPM vibration still appears to be in both the pump and motor bearings in the vertical. Inspect the unit for loose fasteners and structural issues. Check the coupling for wear and perform an alignment check and a shaft run out check. **Rated a Class II Defect.**

MON65 Amide Reactor Circulation Primary

The motor 1x rpm vibration has continued to drop further. We no longer consider it having an issue.

Pump ACN36 ACN Neutral Tank Circulation

Vibrations are good, so this unit is being taken off the report.

SAR66E Vertical Cooling Tower Pump 5

Vibrations have dropped for the points that were elevated. This unit will be removed from the report for now.

SAR66A, SAR66B and SAR 66C Vertical Cooling Tower Pumps 1, 2 and 3

These pumps all have a 1xRPM vibration at near 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.**

ACN28B ACN Fan E

A 1xRPM still dominates the velocity spectrum for the motor inboard vertical at near 0.45"/sec velocity peak. Inspect the motor and structure. Inspect, clean, and trim balance the fan in the near future if possible. **Rated a Class II Defect.**

ACN29B ACN Cooling Tower Pump M

There still appears to be electrical, rotor bar and possibly bearing issues in the motor. The main vibration is above the Spectrum F max. Check the electrical connections, current and voltage and all fasteners as time allows. We will watch for changes going forward. No action required at this time. **Rated a Class I Defect.**

MON55NM Hut Pump North

Vibrations have decreased this survey. Data still suggests the pump is not operating properly. We suspect the pump is not running in the curve at the optimal point. Inspect as time allows. **We are removing this unit from the report due to the reduced vibration levels.**

ACN14 ACH Off Grade Pump

First data since January. Motor inboard axial shows 4.5 g's overall. Multiple vibration peaks look to be mostly non-synchronous. The motor bearings are in some distress. We will keep a close eye on this unit for changes. **Rated a Class II Defect.**

Reported prior but not running this survey

SAR 10 Process Air Fan E

Almost 4 g's RMS acceleration is still evident in the data. 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. **Rated a Class I Defect.**

ACN13B #2 Kettle Transfer Pump South

The inboard motor bearing is showing signs of distress.

Non-synchronous vibration harmonic peaks are evident in the data; however, the overall level has not changed much lately. We suggest replacing the motor this year. **Rated a Class II Defect.**

SAR57B Oleum Tower Circulation Pump B

Vibration data suggests cavitation is the main issue in the pump. There could also be wear in the pump and motor bearings. Inspect the unit for operation in the optimal part of the pump curve. Cavitation can destroy the impeller quickly if unabated as well as other pump components. **Rated a Class I Defect.**

SAR39A Boiler Feed Water Pump NW

The motor data shows 1x and 2x vibrations. We recommend inspecting the coupling and insert. Perform an alignment if possible. **Rated a Class I Defect.**

Raw Data for Routes 1, 2

Abbreviated Last Measurement Summary *****

Database: Lucite Memphis MMA.rbm
Area: MMA
Route No. 6: TJ ROUTE 1
Report Date: 19-Jun-20 11:11

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
-----	-----	-----
SAR03 - Turb Comp Main Blower	(11-Jun-20)	
	OVERALL LEVEL	
5 - Turbine CPL X	.231 Mils	
6 - Turbine CPL Y	.235 Mils	
7 - Turbine Gov X	.180 Mils	
8 - Turbine Gov Y	.130 Mils	
9 - Blwr IB X	.447 Mils	
10 - Blwr IB Y	.522 Mils	
11 - Blwr OB X	.540 Mils	
12 - Blwr OB Y	.616 Mils	
15 - Blwr HSG IB	.012 Mils	
16 - Blwer HSG OB	.016 Mils	
ACN17DP - DP Comp	(11-Jun-20)	
	OVERALL LEVEL	
21 - ACH Motor CPL	.031 Mils	
22 - ACH GB CPL	.143 Mils	
27 - ACH CMP MTR	.014 Mils	
23 - ACH CMP CPL	.071 Mils	
24 - ACH CMP OB	.038 Mils	
ACN28ADP - Cooling Twr Fan W	(11-Jun-20)	

28 - CT Fan 1 W	OVERALL LEVEL .201 Mils	
ACN28BDP - Cooling Twr Fan E	(11-Jun-20)	
26 - CT Fan 2 E	OVERALL LEVEL .286 Mils	
SAR55A - Neutralization Pump N	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.048 In/Sec	.470 G-s
MOP - Motor Outboard Horz Peakvue	.115 G-s	
MOV - Motor Outboard Vertical	.065 In/Sec	.082 G-s
MOA - Motor Outboard Axial	.101 In/Sec	.101 G-s
MIH - Motor Inboard Horizontal	.097 In/Sec	3.352 G-s
MIP - Motor Inboard Horz Peakvue	2.786 G-s	
MIV - Motor Inboard Vertical	.080 In/Sec	.346 G-s
MIA - Motor Inboard Axial	.084 In/Sec	.516 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.055 In/Sec	.393 G-s
PIP - Pump Inboard Horz Peakvue	.033 G-s	
PIV - Pump Inboard Vertical	.041 In/Sec	.149 G-s
PIA - Pump Inboard Axial	.033 In/Sec	.170 G-s
SAR59C - Scrub Twr Circ Pmp E	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.029 In/Sec	.245 G-s
MOP - Motor Outboard Horz Peakvue	.026 G-s	
MOV - Motor Outboard Vertical	.037 In/Sec	.290 G-s
MOA - Motor Outboard Axial	.044 In/Sec	.126 G-s
MIH - Motor Inboard Horizontal	.026 In/Sec	.493 G-s
MIP - Motor Inboard Horz Peakvue	.225 G-s	
MIV - Motor Inboard Vertical	.031 In/Sec	.134 G-s
MIA - Motor Inboard Axial	.025 In/Sec	.079 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.087 In/Sec	.557 G-s
PIP - Pump Inboard Horz Peakvue	.331 G-s	
PIV - Pump Inboard Vertical	.045 In/Sec	.279 G-s
PIA - Pump Inboard Axial	.065 In/Sec	.212 G-s
POH - Pump Outboard Horizontal	.032 In/Sec	.488 G-s
POP - Pump Outboard Horz Peakvue	.236 G-s	
POV - Pump Outboard Vertical	.038 In/Sec	.170 G-s
POA - Pump Outboard Axial	.038 In/Sec	.111 G-s
SAR59B - Scrub Twr Circ Pmp M	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.035 In/Sec	.934 G-s
MOP - Motor Outboard Horz Peakvue	.594 G-s	
MOV - Motor Outboard Vertical	.040 In/Sec	.298 G-s
MOA - Motor Outboard Axial	.029 In/Sec	.359 G-s
MIH - Motor Inboard Horizontal	.128 In/Sec	.634 G-s
MIP - Motor Inboard Horz Peakvue	.425 G-s	
MIV - Motor Inboard Vertical	.070 In/Sec	.892 G-s
MIA - Motor Inboard Axial	.066 In/Sec	.271 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.021 In/Sec	.347 G-s
PIP - Pump Inboard Horz Peakvue	.189 G-s	
PIV - Pump Inboard Vertical	.034 In/Sec	.121 G-s

PIA - Pump Inboard Axial	.038 In/Sec	.314 G-s
SAR59A - Scrub Twr Circ Pmp W		
	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.020 In/Sec	.339 G-s
MOP - Motor Outboard Horz Peakvue	.175 G-s	
MOV - Motor Outboard Vertical	.036 In/Sec	.111 G-s
MOA - Motor Outboard Axial	.036 In/Sec	.309 G-s
MIH - Motor Inboard Horizontal	.025 In/Sec	.383 G-s
MIP - Motor Inboard Horz Peakvue	.197 G-s	
MIV - Motor Inboard Vertical	.036 In/Sec	.202 G-s
MIA - Motor Inboard Axial	.037 In/Sec	.180 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.096 In/Sec	.657 G-s
PIP - Pump Inboard Horz Peakvue	.410 G-s	
PIV - Pump Inboard Vertical	.071 In/Sec	.418 G-s
PIA - Pump Inboard Axial	.096 In/Sec	.252 G-s
SAR39C - Boiler Feed H2O Pmp NE		
	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.233 In/Sec	.249 G-s
MOP - Motor Outboard Horz Peakvue	.083 G-s	
MOV - Motor Outboard Vertical	.160 In/Sec	.104 G-s
MOA - Motor Outboard Axial	.080 In/Sec	.090 G-s
MIH - Motor Inboard Horizontal	.191 In/Sec	.752 G-s
MIP - Motor Inboard Horz Peakvue	.311 G-s	
MIV - Motor Inboard Vertical	.153 In/Sec	.220 G-s
MIA - Motor Inboard Axial	.078 In/Sec	.191 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.145 In/Sec	.442 G-s
PIP - Pump Inboard Horz Peakvue	.015 G-s	
PIV - Pump Inboard Vertical	.113 In/Sec	.116 G-s
PIA - Pump Inboard Axial	.078 In/Sec	.161 G-s
POH - Pump Outboard Horizontal	.215 In/Sec	.962 G-s
POP - Pump Outboard Horz Peakvue	.081 G-s	
POV - Pump Outboard Vertical	.078 In/Sec	.555 G-s
POA - Pump Outboard Axial	.056 In/Sec	.332 G-s
SAR39B - Boiler Feed H2O Pmp SW		
	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.032 In/Sec	.319 G-s
MOP - Motor Outboard Horz Peakvue	.046 G-s	
MOV - Motor Outboard Vertical	.056 In/Sec	.236 G-s
MOA - Motor Outboard Axial	.028 In/Sec	.123 G-s
MIH - Motor Inboard Horizontal	.028 In/Sec	.385 G-s
MIP - Motor Inboard Horz Peakvue	.057 G-s	
MIV - Motor Inboard Vertical	.041 In/Sec	.292 G-s
MIA - Motor Inboard Axial	.025 In/Sec	.507 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.058 In/Sec	.619 G-s
PIP - Pump Inboard Horz Peakvue	.330 G-s	
PIV - Pump Inboard Vertical	.072 In/Sec	.295 G-s
PIA - Pump Inboard Axial	.070 In/Sec	.259 G-s
POH - Pump Outboard Horizontal	.036 In/Sec	.347 G-s
POP - Pump Outboard Horz Peakvue	.098 G-s	
POV - Pump Outboard Vertical	.056 In/Sec	.186 G-s
POA - Pump Outboard Axial	.087 In/Sec	.110 G-s

SAR54C	- Weak Acid Xfer Pump S	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.100 In/Sec	.026 G-s
MOP - Motor Outboard Horz Peakvue		.012 G-s	
MOV - Motor Outboard Vertical		.073 In/Sec	.012 G-s
MOA - Motor Outboard Axial		.115 In/Sec	.015 G-s
MIH - Motor Inboard Horizontal		.090 In/Sec	.355 G-s
MIP - Motor Inboard Horz Peakvue		.204 G-s	
MIV - Motor Inboard Vertical		.060 In/Sec	.035 G-s
MIA - Motor Inboard Axial		.066 In/Sec	.044 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.067 In/Sec	.498 G-s
PIP - Pump Inboard Horz Peakvue		.012 G-s	
PIV - Pump Inboard Vertical		.062 In/Sec	.165 G-s
PIA - Pump Inboard Axial		.070 In/Sec	.111 G-s
 SAR54B	 - Weak Acid Xfer Pump N	 (11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.114 In/Sec	.228 G-s
MOP - Motor Outboard Horz Peakvue		.106 G-s	
MOV - Motor Outboard Vertical		.098 In/Sec	.198 G-s
MOA - Motor Outboard Axial		.066 In/Sec	.186 G-s
MIH - Motor Inboard Horizontal		.085 In/Sec	.392 G-s
MIP - Motor Inboard Horz Peakvue		.039 G-s	
MIV - Motor Inboard Vertical		.123 In/Sec	.103 G-s
MIA - Motor Inboard Axial		.083 In/Sec	.085 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.083 In/Sec	.688 G-s
PIP - Pump Inboard Horz Peakvue		.090 G-s	
PIV - Pump Inboard Vertical		.078 In/Sec	.454 G-s
PIA - Pump Inboard Axial		.090 In/Sec	.518 G-s
 SAR50A	 - Drying Tower Circ Pump W	 (15-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W		.400 In/Sec	.469 G-s
MOP - Motor Outboard Horz Peakvue		.155 G-s	
MOV - Motor Outboard Vertical N-S		.134 In/Sec	.342 G-s
MOA - Motor Outboard Axial		.275 In/Sec	.246 G-s
MIH - Motor Inboard Horizontal E-W		.220 In/Sec	.907 G-s
MIP - Motor Inboard Horz Peakvue		.576 G-s	
MIV - Motor Inboard Vertical N-S		.132 In/Sec	.444 G-s
MIA - Motor Inboard Axial		.156 In/Sec	.164 G-s
 SAR50B	 - Drying Tower Circ Pump E	 (28-May-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.088 In/Sec	1.092 G-s
MOP - Motor Outboard Horz Peakvue		.507 G-s	
MOV - Motor Outboard Vertical		.139 In/Sec	.251 G-s
MOA - Motor Outboard Axial		.117 In/Sec	.183 G-s
MIH - Motor Inboard Horizontal		.079 In/Sec	.668 G-s
MIP - Motor Inboard Horz Peakvue		.301 G-s	
MIV - Motor Inboard Vertical		.141 In/Sec	.198 G-s
MIA - Motor Inboard Axial		.095 In/Sec	.118 G-s
 SAR66E	 - Vertical Cool Twr Pump #5	 (11-Jun-20)	
		OVERALL LEVEL	1K-20kHz

MOH - Motor Outboard Horizontal E-W	.129 In/Sec	.160 G-s
MOP - Motor Outboard Horz Peakvue	.072 G-s	
MOV - Motor Outboard Vertical N-S	.130 In/Sec	.504 G-s
MOA - Motor Outboard Axial	.074 In/Sec	.255 G-s
MIH - Motor Inboard Horizontal E-W	.038 In/Sec	.506 G-s
MIP - Motor Inboard Horz Peakvue	.202 G-s	
MIV - Motor Inboard Vertical N-S	.153 In/Sec	.254 G-s
MIA - Motor Inboard Axial	.062 In/Sec	.338 G-s

SAR66D - Vertical Cool Twr Pump #4	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.126 In/Sec	.091 G-s
MOP - Motor Outboard Horz Peakvue	.045 G-s	
MOV - Motor Outboard Vertical	.117 In/Sec	.067 G-s
MOA - Motor Outboard Axial	.106 In/Sec	.076 G-s
MIH - Motor Inboard Horizontal	.067 In/Sec	.074 G-s
MIP - Motor Inboard Horz Peakvue	.040 G-s	
MIV - Motor Inboard Vertical	.127 In/Sec	.043 G-s
MIA - Motor Inboard Axial	.114 In/Sec	.048 G-s

SAR66C - Vertical Cool Twr Pump #3	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.427 In/Sec	.067 G-s
MOP - Motor Outboard Horz Peakvue	.035 G-s	
MOV - Motor Outboard Vertical	.119 In/Sec	.030 G-s
MOA - Motor Outboard Vertical	.229 In/Sec	.018 G-s
MIH - Motor Inboard Horizontal	.189 In/Sec	.068 G-s
MIP - Motor Inboard Horz Peakvue	.038 G-s	
MIV - Motor Inboard Vertical	.130 In/Sec	.027 G-s
MIA - Motor Inboard Axial	.092 In/Sec	.050 G-s

SAR66B - Vertical Cool Twr Pump #2	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.237 In/Sec	.130 G-s
MOP - Motor Outboard Horz Peakvue	.060 G-s	
MOV - Motor Outboard Vertical	.156 In/Sec	.089 G-s
MOA - Motor Outboard Axial	.406 In/Sec	.129 G-s
MIH - Motor Inboard Horizontal	.128 In/Sec	.134 G-s
MIP - Motor Inboard Horz Peakvue	.079 G-s	
MIV - Motor Inboard Vertical	.199 In/Sec	.105 G-s
MIA - Motor Inboard Axial	.178 In/Sec	.110 G-s

SAR66A - Vertical Cool Twr Pump #1	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.471 In/Sec	.249 G-s
MOP - Motor Outboard Horz Peakvue	.157 G-s	
MOV - Motor Outboard Vertical	.198 In/Sec	.116 G-s
MOA - Motor Outboard Axial	.495 In/Sec	.215 G-s
MIH - Motor Inboard Horizontal	.169 In/Sec	.121 G-s
MIP - Motor Inboard Horz Peakvue	.097 G-s	
MIV - Motor Inboard Vertical	.251 In/Sec	.067 G-s
MIA - Motor Inboard Axial	.173 In/Sec	.080 G-s

SAR78B - Cooling Tower Fan #2	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.066 In/Sec	.771 G-s
MOP - Motor Outboard Horz Peakvue	.308 G-s	

MOV - Motor Outboard Vertical	.075 In/Sec	.162 G-s
MOA - Motor Outboard Axial	.154 In/Sec	.242 G-s
MIH - Motor Inboard Horizontal	.098 In/Sec	.968 G-s
MIP - Motor Inboard Horz Peakvue	.063 G-s	
MIV - Motor Inboard Vertical	.124 In/Sec	.313 G-s
MIA - Motor Inboard Axial	.166 In/Sec	.089 G-s

SAR78C - Cooling Tower Fan #3

(15-Jun-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.070 In/Sec	1.815 G-s
MOP - Motor Outboard Horz Peakvue	.810 G-s	
MOV - Motor Outboard Vertical	.103 In/Sec	.308 G-s
MOA - Motor Outboard Axial	.166 In/Sec	.153 G-s
MIH - Motor Inboard Horizontal	.098 In/Sec	1.616 G-s
MIP - Motor Inboard Horz Peakvue	.793 G-s	
MIV - Motor Inboard Vertical	.086 In/Sec	.594 G-s
MIA - Motor Inboard Axial	.182 In/Sec	.844 G-s

SAR78D - Cooling Tower Fan #4

(15-Jun-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.096 In/Sec	.398 G-s
MOP - Motor Outboard Horz Peakvue	.213 G-s	
MOV - Motor Outboard Vertical	.175 In/Sec	.301 G-s
MOA - Motor Outboard Axial	.181 In/Sec	.323 G-s
MIH - Motor Inboard Horizontal	.103 In/Sec	.411 G-s
MIP - Motor Inboard Horz Peakvue	.204 G-s	
MIV - Motor Inboard Vertical	.205 In/Sec	.277 G-s
MIA - Motor Inboard Axial	.208 In/Sec	.440 G-s

SAR161C - N SAR Cool Twr Fan E

(15-Jun-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.105 In/Sec	.288 G-s
MOP - Motor Outboard Horz Peakvue	.103 G-s	
MOV - Motor Outboard Vertical	.154 In/Sec	.089 G-s
MOA - Motor Outboard Axial	.248 In/Sec	.086 G-s
MIH - Motor Inboard Horizontal	.268 In/Sec	.299 G-s
MIP - Motor Inboard Horz Peakvue	.111 G-s	
MIV - Motor Inboard Vertical	.177 In/Sec	.381 G-s
MIA - Motor Inboard Axial	.244 In/Sec	.152 G-s

SAR161B - N SAR Cool Twr Fan Middle

(15-Jun-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.128 In/Sec	.885 G-s
MOP - Motor Outboard Horz Peakvue	.182 G-s	
MOV - Motor Outboard Vertical	.146 In/Sec	.516 G-s
MOA - Motor Outboard Axial	.145 In/Sec	.321 G-s
MIH - Motor Inboard Horizontal	.119 In/Sec	.991 G-s
MIP - Motor Inboard Horz Peakvue	.244 G-s	
MIV - Motor Inboard Vertical	.133 In/Sec	.078 G-s
MIA - Motor Inboard Axial	.163 In/Sec	.060 G-s

SAR161A - N SAR Cool Twr Fan W

(15-Jun-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.121 In/Sec	2.287 G-s
MOP - Motor Outboard Horz Peakvue	.968 G-s	
MOV - Motor Outboard Vertical	.172 In/Sec	.694 G-s
MOA - Motor Outboard Axial	.218 In/Sec	.148 G-s

MIH - Motor Inboard Horizontal	.265 In/Sec	2.274 G-s
MIP - Motor Inboard Horz Peakvue	1.180 G-s	
MIT - Motor Inboard Vertical	.071 In/Sec	.253 G-s
MIA - Motor Inboard Axial	.190 In/Sec	.290 G-s
SAR231B - Final Twr Circ Pump S	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.074 In/Sec	.340 G-s
MOP - Motor Outboard Horz Peakvue	.164 G-s	
MOV - Motor Outboard Vertical	.034 In/Sec	.224 G-s
MOA - Motor Outboard Axial	.071 In/Sec	.175 G-s
MIH - Motor Inboard Horizontal	.054 In/Sec	.514 G-s
MIP - Motor Inboard Horz Peakvue	.306 G-s	
MIT - Motor Inboard Vertical	.037 In/Sec	.245 G-s
MIA - Motor Inboard Axial	.046 In/Sec	.189 G-s
SAR 56A - N Oleum Storage Tank Feed	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.063 In/Sec	.099 G-s
M1P - Motor Outboard Horz Peakvue	.019 G-s	
M1V - Motor Outboard Vertical	.053 In/Sec	.045 G-s
M1A - Motor Outboard Axial	.086 In/Sec	.049 G-s
M2H - Motor Inboard Horizontal	.071 In/Sec	.237 G-s
M2P - Motor Inboard Horz Peakvue	.119 G-s	
M2V - Motor Inboard Vertical	.051 In/Sec	.126 G-s
M2A - Motor Inboard Axial	.049 In/Sec	.070 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.065 In/Sec	.082 G-s
P1P - Pump Inboard Horz Peakvue	.049 G-s	
P1V - Pump Inboard Vertical	.038 In/Sec	.053 G-s
P1A - Pump Inboard Axial	.053 In/Sec	.046 G-s
SAR 56B - M Oleum Storage Tank Feed	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.038 In/Sec	.328 G-s
M1P - Motor Outboard Horz Peakvue	.150 G-s	
M1V - Motor Outboard Vertical	.062 In/Sec	.065 G-s
M1A - Motor Outboard Axial	.050 In/Sec	.073 G-s
M2H - Motor Inboard Horizontal	.053 In/Sec	.202 G-s
M2P - Motor Inboard Horz Peakvue	.044 G-s	
M2V - Motor Inboard Vertical	.065 In/Sec	.067 G-s
M2A - Motor Inboard Axial	.057 In/Sec	.071 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.082 In/Sec	.206 G-s
P1P - Pump Inboard Horz Peakvue	.201 G-s	
P1V - Pump Inboard Vertical	.054 In/Sec	.047 G-s
P1A - Pump Inboard Axial	.055 In/Sec	.061 G-s
SAR 56C - S Oleum Storage Tank Feed	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.025 In/Sec	.148 G-s
M1P - Motor Outboard Horz Peakvue	.076 G-s	
M1V - Motor Outboard Vertical	.037 In/Sec	.194 G-s
M1A - Motor Outboard Axial	.022 In/Sec	.035 G-s
M2H - Motor Inboard Horizontal	.049 In/Sec	.230 G-s
M2P - Motor Inboard Horz Peakvue	.209 G-s	
M2V - Motor Inboard Vertical	.037 In/Sec	.206 G-s

M2A - Motor Inboard Axial	.041 In/Sec	.149 G-s
	OVERALL LEVEL	1K-20KHz
PlH - Pump Inboard Horizontal	.093 In/Sec	.118 G-s
PlP - Pump Inboard Horz Peakvue	.039 G-s	
PlV - Pump Inboard Vertical	.034 In/Sec	.047 G-s
PlA - Pump Inboard Axial	.024 In/Sec	.036 G-s
SAR128 - Oleum Fume Scrub Blwr	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal	.062 In/Sec	.173 G-s
MIP - Motor Inboard Horz Peakvue	.043 G-s	
MIV - Motor Inboard Vertical	.036 In/Sec	.051 G-s
MIA - Motor Inboard Axial	.059 In/Sec	.061 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.077 In/Sec	.215 G-s
FIP - Fan Inboard Horz Peakvue	.031 G-s	
FIV - Fan Inboard Vertical	.034 In/Sec	.083 G-s
FIA - Fan Inboard Axial	.046 In/Sec	.076 G-s
FOH - Fan Outboard Horizontal	.102 In/Sec	.237 G-s
FOP - Fan Outboard Horz Peakvue	.068 G-s	
FOV - Fan Outboard Vertical	.083 In/Sec	.322 G-s
FOA - Fan Outboard Axial	.115 In/Sec	.244 G-s
SAR137B - Contain Pit Pumps	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.057 In/Sec	.244 G-s
MOP - Motor Outboard Horz Peakvue	.125 G-s	
MOV - Motor Outboard Vertical N-S	.128 In/Sec	.091 G-s
MOA - Motor Outboard Axial	.135 In/Sec	.155 G-s
SAR57B - Oleum Twr Circ Pump E	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.107 In/Sec	2.346 G-s
MOP - Motor Outboard Horz Peakvue	1.298 G-s	
MOV - Motor Outboard Vertical N-S	.087 In/Sec	.571 G-s
MOA - Motor Outboard Axial	.126 In/Sec	.471 G-s
MIH - Motor Inboard Horizontal E-W	.105 In/Sec	2.991 G-s
MIP - Motor Inboard Horz Peakvue	1.573 G-s	
MIV - Motor Inboard Vertical N-S	.094 In/Sec	1.257 G-s
MIA - Motor Inboard Axial	.103 In/Sec	1.136 G-s
SAR37A - Interpass Twr Circ Pump N	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal E-W	.059 In/Sec	.384 G-s
MOP - Motor Outboard Horz Peakvue	.251 G-s	
MOV - Motor Outboard Vertical N-S	.046 In/Sec	.110 G-s
MOA - Motor Outboard Axial	.076 In/Sec	.093 G-s
MIH - Motor Inboard Horizontal E-W	.051 In/Sec	.538 G-s
MIP - Motor Inboard Horz Peakvue	.210 G-s	
MIV - Motor Inboard Vertical N-S	.055 In/Sec	.164 G-s
MIA - Motor Inboard Axial	.069 In/Sec	.129 G-s
SAR14 - Combustion Air Fan W	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.075 In/Sec	.905 G-s
MOP - Motor Outboard Horz Peakvue	.586 G-s	
MOV - Motor Outboard Vertical	.081 In/Sec	.321 G-s

MOA - Motor Outboard Axial	.098 In/Sec	.482 G-s
MIH - Motor Inboard Horizontal	.078 In/Sec	1.445 G-s
MIP - Motor Inboard Horz Peakvue	.734 G-s	
MIV - Motor Inboard Vertical	.105 In/Sec	1.250 G-s
MIA - Motor Inboard Axial	.109 In/Sec	1.286 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.085 In/Sec	1.575 G-s
FIP - Fan Inboard Horz Peakvue	.180 G-s	
FIV - Fan Inboard Vertical	.042 In/Sec	.935 G-s
FIA - Fan Inboard Axial	.064 In/Sec	.221 G-s
FOH - Fan Outboard Horizontal	.086 In/Sec	1.960 G-s
FOP - Fan Outboard Horz Peakvue	1.108 G-s	
FOV - Fan Outboard Vertical	.052 In/Sec	1.050 G-s
FOA - Fan Outboard Axial	.056 In/Sec	.541 G-s

SAR11 - Recycle Fan W

(28-May-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.028 In/Sec	.520 G-s
MOP - Motor Outboard Horz Peakvue	.333 G-s	
MOV - Motor Outboard Vertical	.042 In/Sec	.099 G-s
MOA - Motor Outboard Axial	.044 In/Sec	.225 G-s
MIH - Motor Inboard Horizontal	.024 In/Sec	.475 G-s
MIP - Motor Inboard Horz Peakvue	.267 G-s	
MIV - Motor Inboard Vertical	.050 In/Sec	.204 G-s
MIA - Motor Inboard Axial	.039 In/Sec	.186 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.014 In/Sec	.016 G-s
FIP - Fan Inboard Horz Peakvue	.0081 G-s	
FIV - Fan Inboard Vertical	.012 In/Sec	.0065 G-s
FIA - Fan Inboard Axial	.016 In/Sec	.0042 G-s
FOH - Fan Outboard Horizontal	.016 In/Sec	.014 G-s
FOP - Fan Outboard Horz Peakvue	.0040 G-s	
FOV - Fan Outboard Vertical	.010 In/Sec	.0051 G-s
FOA - Fan Outboard Axial	.018 In/Sec	.0054 G-s

SAR15 - Process Air Fan W

(28-May-20)

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.061 In/Sec	.422 G-s
MOP - Motor Outboard Horz Peakvue	.214 G-s	
MOV - Motor Outboard Vertical	.049 In/Sec	.281 G-s
MOA - Motor Outboard Axial	.053 In/Sec	.343 G-s
MIH - Motor Inboard Horizontal	.053 In/Sec	.967 G-s
MIP - Motor Inboard Horz Peakvue	.278 G-s	
MIV - Motor Inboard Vertical	.054 In/Sec	.231 G-s
MIA - Motor Inboard Axial	.050 In/Sec	.485 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.064 In/Sec	1.194 G-s
FIP - Fan Inboard Horz Peakvue	.684 G-s	
FIV - Fan Inboard Vertical	.027 In/Sec	.843 G-s
FIA - Fan Inboard Axial	.043 In/Sec	.825 G-s
FOH - Fan Outboard Horizontal	.081 In/Sec	.774 G-s
FOP - Fan Outboard Horz Peakvue	.452 G-s	
FOV - Fan Outboard Vertical	.039 In/Sec	.564 G-s
FOA - Fan Outboard Axial	.043 In/Sec	.204 G-s

SAR12 - Recycle Fan E

(28-May-20)

OVERALL LEVEL	1K-20kHz
---------------	----------

MOH - Motor Outboard Horizontal	.117 In/Sec	.520 G-s
MOP - Motor Outboard Horz Peakvue	.141 G-s	
MOV - Motor Outboard Vertical	.101 In/Sec	.242 G-s
MOA - Motor Outboard Axial	.192 In/Sec	.087 G-s
MIH - Motor Inboard Horizontal	.114 In/Sec	1.532 G-s
MIP - Motor Inboard Horz Peakvue	.917 G-s	
MIV - Motor Inboard Vertical	.196 In/Sec	.662 G-s
MIA - Motor Inboard Axial	.168 In/Sec	.737 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.105 In/Sec	.206 G-s
FIP - Fan Inboard Horz Peakvue	.199 G-s	
FIV - Fan Inboard Vertical	.061 In/Sec	.177 G-s
FIA - Fan Inboard Axial	.122 In/Sec	.175 G-s
FOH - Fan Outboard Horizontal	.140 In/Sec	.319 G-s
FOP - Fan Outboard Horz Peakvue	.146 G-s	
FOV - Fan Outboard Vertical	.179 In/Sec	.203 G-s
FOA - Fan Outboard Axial	.119 In/Sec	.080 G-s
SAR10 - Process Air Fan E	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.114 In/Sec	.330 G-s
MOP - Motor Outboard Horz Peakvue	.184 G-s	
MOV - Motor Outboard Vertical	.104 In/Sec	.206 G-s
MOA - Motor Outboard Axial	.093 In/Sec	.218 G-s
MIH - Motor Inboard Horizontal	.119 In/Sec	2.104 G-s
MIP - Motor Inboard Horz Peakvue	1.408 G-s	
MIV - Motor Inboard Vertical	.085 In/Sec	.322 G-s
MIA - Motor Inboard Axial	.075 In/Sec	.392 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.169 In/Sec	3.738 G-s
FIP - Fan Inboard Horz Peakvue	2.045 G-s	
FIV - Fan Inboard Vertical	.136 In/Sec	1.846 G-s
FIA - Fan Inboard Axial	.202 In/Sec	1.175 G-s
FOH - Fan Outboard Horizontal	.194 In/Sec	2.722 G-s
FOP - Fan Outboard Horz Peakvue	1.608 G-s	
FOV - Fan Outboard Vertical	.110 In/Sec	1.551 G-s
FOA - Fan Outboard Axial	.231 In/Sec	1.101 G-s
SAR13 - Combustion Air Fan E	(28-May-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.064 In/Sec	.562 G-s
MOP - Motor Outboard Horz Peakvue	.333 G-s	
MOV - Motor Outboard Vertical	.050 In/Sec	.196 G-s
MOA - Motor Outboard Axial	.077 In/Sec	.223 G-s
MIH - Motor Inboard Horizontal	.066 In/Sec	.413 G-s
MIP - Motor Inboard Horz Peakvue	.230 G-s	
MIV - Motor Inboard Vertical	.051 In/Sec	.202 G-s
MIA - Motor Inboard Axial	.052 In/Sec	.372 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.076 In/Sec	.549 G-s
FIP - Fan Inboard Horz Peakvue	.339 G-s	
FIV - Fan Inboard Vertical	.071 In/Sec	.336 G-s
FIA - Fan Inboard Axial	.045 In/Sec	.189 G-s
FOH - Fan Outboard Horizontal	.055 In/Sec	.482 G-s
FOP - Fan Outboard Horz Peakvue	.200 G-s	
FOV - Fan Outboard Vertical	.150 In/Sec	.542 G-s
FOA - Fan Outboard Axial	.150 In/Sec	.244 G-s

SAR61NM	- Spent Acid Circ Pmp N	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal		.025 In/Sec	.197 G-s
MIP - Motor Inboard Horz Peakvue		.058 G-s	
MIV - Motor Inboard Vertical		.024 In/Sec	.135 G-s
MIA - Motor Inboard Axial		.028 In/Sec	.036 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.022 In/Sec	.063 G-s
PIP - Pump Inboard Horz Peakvue		.0080 G-s	
PIV - Pump Inboard Vertical		.015 In/Sec	.033 G-s
PIA - Pump Inboard Axial		.041 In/Sec	.017 G-s
 SAR62	 - Spent Acid Feed Pmp N	 (11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.018 In/Sec	.115 G-s
MOP - Motor Outboard Horz Peakvue		.014 G-s	
MOV - Motor Outboard Vertical		.039 In/Sec	.268 G-s
MOA - Motor Outboard Axial		.033 In/Sec	.085 G-s
MIH - Motor Inboard Horizontal		.019 In/Sec	.112 G-s
MIP - Motor Inboard Horz Peakvue		.0025 G-s	
MIV - Motor Inboard Vertical		.033 In/Sec	.052 G-s
MIA - Motor Inboard Axial		.032 In/Sec	.071 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.017 In/Sec	.103 G-s
PIP - Pump Inboard Horz Peakvue		.017 G-s	
PIV - Pump Inboard Vertical		.035 In/Sec	.302 G-s
PIA - Pump Inboard Axial		.030 In/Sec	.080 G-s
 SAR63WM	 - Spent Acid Feed Pmp W	 (15-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.040 In/Sec	.042 G-s
MOP - Motor Outboard Horz Peakvue		.0074 G-s	
MOV - Motor Outboard Vertical		.025 In/Sec	.014 G-s
MOA - Motor Outboard Axial		.024 In/Sec	.014 G-s
MIH - Motor Inboard Horizontal		.044 In/Sec	.354 G-s
MIP - Motor Inboard Horz Peakvue		.047 G-s	
MIV - Motor Inboard Vertical		.028 In/Sec	.090 G-s
MIA - Motor Inboard Axial		.033 In/Sec	.066 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.062 In/Sec	.553 G-s
PIP - Pump Inboard Horz Peakvue		.018 G-s	
PIV - Pump Inboard Vertical		.047 In/Sec	.181 G-s
PIA - Pump Inboard Axial		.045 In/Sec	.247 G-s
 SAR135	 - Spent Acid Circ Pmp E	 (15-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.052 In/Sec	.067 G-s
MOP - Motor Outboard Horz Peakvue		.0057 G-s	
MOV - Motor Outboard Vertical		.075 In/Sec	.0072 G-s
MOA - Motor Outboard Axial		.049 In/Sec	.0067 G-s
MIH - Motor Inboard Horizontal		.031 In/Sec	.266 G-s
MIP - Motor Inboard Horz Peakvue		.076 G-s	
MIV - Motor Inboard Vertical		.056 In/Sec	.064 G-s
MIA - Motor Inboard Axial		.057 In/Sec	.034 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.109 In/Sec	.181 G-s

PIP - Pump Inboard Horz Peakvue	.026 G-s	
PIV - Pump Inboard Vertical	.057 In/Sec	.029 G-s
PIA - Pump Inboard Axial	.039 In/Sec	.045 G-s
POH - Pump Outboard Horizontal	.106 In/Sec	.364 G-s
POP - Pump Outboard Horz Peakvue	.115 G-s	
POV - Pump Outboard Vertical	.054 In/Sec	.109 G-s
POA - Pump Outboard Axial	.042 In/Sec	.091 G-s

SAR63EM - Spent Acid Feed Pmp E	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.027 In/Sec	.134 G-s
MOP - Motor Outboard Horz Peakvue	.013 G-s	
MOV - Motor Outboard Vertical	.032 In/Sec	.085 G-s
MOA - Motor Outboard Axial	.053 In/Sec	.043 G-s
MIH - Motor Inboard Horizontal	.039 In/Sec	.148 G-s
MIP - Motor Inboard Horz Peakvue	.0072 G-s	
MIV - Motor Inboard Vertical	.045 In/Sec	.048 G-s
MIA - Motor Inboard Axial	.049 In/Sec	.020 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.020 In/Sec	.125 G-s
PIP - Pump Inboard Horz Peakvue	.017 G-s	
PIV - Pump Inboard Vertical	.019 In/Sec	.108 G-s
PIA - Pump Inboard Axial	.017 In/Sec	.082 G-s

SAR157 - Spent Acid Feed Booster S	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal	.044 In/Sec	.252 G-s
MIP - Motor Inboard Horz Peakvue	.140 G-s	
MIV - Motor Inboard Vertical	.028 In/Sec	.086 G-s
MIA - Motor Inboard Axial	.053 In/Sec	.061 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.047 In/Sec	.104 G-s
PIP - Pump Inboard Horz Peakvue	.057 G-s	
PIV - Pump Inboard Vertical	.057 In/Sec	.036 G-s
PIA - Pump Inboard Axial	.083 In/Sec	.015 G-s

SAR16 - Startup Fan	(01-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.070 In/Sec	.770 G-s
MOP - Motor Outboard Horz Peakvue	.061 G-s	
MOV - Motor Outboard Vertical	.059 In/Sec	.264 G-s
MOA - Motor Outboard Axial	.063 In/Sec	.114 G-s
MIH - Motor Inboard Horizontal	.068 In/Sec	.811 G-s
MIP - Motor Inboard Horz Peakvue	.304 G-s	
MIV - Motor Inboard Vertical	.076 In/Sec	.849 G-s
MIA - Motor Inboard Axial	.050 In/Sec	.625 G-s
	OVERALL LEVEL	1K-20KHz
FIH - Fan Inboard Horizontal	.062 In/Sec	2.433 G-s
FIP - Fan Inboard Horz Peakvue	1.406 G-s	
FIV - Fan Inboard Vertical	.065 In/Sec	.666 G-s
FIA - Fan Inboard Axial	.075 In/Sec	.651 G-s
FOH - Fan Outboard Horizontal	.092 In/Sec	1.265 G-s
FOP - Fan Outboard Horz Peakvue	.582 G-s	
FOV - Fan Outboard Vertical	.108 In/Sec	.317 G-s
FOA - Fan Outboard Axial	.151 In/Sec	.209 G-s

MON169 - A/B Booster Pump W	(11-Jun-20)	
-----------------------------	-------------	--

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.062 In/Sec	.179 G-s
MOP - Motor Outboard Horz Peakvue	.072 G-s	
MOV - Motor Outboard Vertical	.026 In/Sec	.067 G-s
MOA - Motor Outboard Axial	.046 In/Sec	.051 G-s
MIH - Motor Inboard Horizontal	.047 In/Sec	.199 G-s
MIP - Motor Inboard Horz Peakvue	.119 G-s	
MIV - Motor Inboard Vertical	.032 In/Sec	.148 G-s
MIA - Motor Inboard Axial	.031 In/Sec	.096 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.238 In/Sec	.115 G-s
PIP - Pump Inboard Horz Peakvue	.104 G-s	
PIV - Pump Inboard Vertical	.125 In/Sec	.035 G-s
PIA - Pump Inboard Axial	.126 In/Sec	.040 G-s
MON73W - Skim Tub Xfer Pmp W		
	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.043 In/Sec	.114 G-s
MOP - Motor Outboard Horz Peakvue	.021 G-s	
MOV - Motor Outboard Vertical	.045 In/Sec	.068 G-s
MOA - Motor Outboard Axial	.076 In/Sec	.035 G-s
MIH - Motor Inboard Horizontal	.038 In/Sec	.484 G-s
MIP - Motor Inboard Horz Peakvue	.208 G-s	
MIV - Motor Inboard Vertical	.065 In/Sec	.278 G-s
MIA - Motor Inboard Axial	.065 In/Sec	.365 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.059 In/Sec	.059 G-s
PIP - Pump Inboard Horz Peakvue	.039 G-s	
PIV - Pump Inboard Vertical	.039 In/Sec	.059 G-s
PIA - Pump Inboard Axial	.035 In/Sec	.053 G-s
MON45WM - ACH Ref Brine Pump W		
	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.048 In/Sec	1.038 G-s
MOP - Motor Outboard Horz Peakvue	.315 G-s	
MOV - Motor Outboard Vertical	.196 In/Sec	.253 G-s
MOA - Motor Outboard Axial	.106 In/Sec	.186 G-s
MIH - Motor Inboard Horizontal	.052 In/Sec	1.188 G-s
MIP - Motor Inboard Horz Peakvue	.753 G-s	
MIV - Motor Inboard Vertical	.154 In/Sec	.552 G-s
MIA - Motor Inboard Axial	.111 In/Sec	.289 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.138 In/Sec	.813 G-s
PIP - Pump Inboard Horz Peakvue	.471 G-s	
PIV - Pump Inboard Vertical	.137 In/Sec	.174 G-s
PIA - Pump Inboard Axial	.080 In/Sec	.221 G-s
POH - Pump Outboard Horizontal	.083 In/Sec	1.079 G-s
POP - Pump Outboard Horz Peakvue	.656 G-s	
POV - Pump Outboard Vertical	.125 In/Sec	.342 G-s
POA - Pump Outboard Axial	.080 In/Sec	.376 G-s
AC17 - Carrier Ref Unit		
	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.019 In/Sec	.220 G-s
MOP - Motor Outboard Horz Peakvue	.054 G-s	
MOV - Motor Outboard Vertical	.031 In/Sec	.101 G-s
MOA - Motor Outboard Axial	.020 In/Sec	.053 G-s

MIH - Motor Inboard Horizontal	.032 In/Sec	.358 G-s
MIP - Motor Inboard Horz Peakvue	.029 G-s	
MIV - Motor Inboard Vertical	.032 In/Sec	.085 G-s
MIA - Motor Inboard Axial	.014 In/Sec	.036 G-s
IIH - Inboard Input Horizontal	.165 In/Sec	
IIP - Input Inboard Horizontal PK	.794 G-s	
IIV - Inboard Input Vertical	.116 In/Sec	
IIA - Inboard Input Axial	.106 In/Sec	
OOH - Output Outboard Horizontal	.150 In/Sec	
OOP - Output Outboard Horizontal PK	1.374 G-s	
OOV - Output Outboard Vertical	.054 In/Sec	
OOA - Output Outboard Axial	.107 In/Sec	
CIH - Compressor Inboard Horizontal	.095 In/Sec	
CIP - Compressor Inboard Horz Peakvue	.602 G-s	
CIV - Compressor Inboard Vertical	.069 In/Sec	
CIA - Compressor Inboard Axial	.112 In/Sec	
COH - Compressor Outboard Horizontal	.037 In/Sec	
COP - Compressor Outboard Horz Peakvue	.209 G-s	
COV - Compressor Outboard Vertical	.040 In/Sec	
COA - Compressor Outboard Axial	.048 In/Sec	

ACN44 - ACN Ref Unit Booster #3	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.083 In/Sec	1.244 G-s
MOP - Motor Outboard Horz Peakvue	.044 G-s	
MOV - Motor Outboard Vertical	.080 In/Sec	.349 G-s
MOA - Motor Outboard Axial	.112 In/Sec	.443 G-s
MIH - Motor Inboard Horizontal	.128 In/Sec	.381 G-s
MIP - Motor Inboard Horz Peakvue	.033 G-s	
MIV - Motor Inboard Vertical	.121 In/Sec	.156 G-s
MIA - Motor Inboard Axial	.103 In/Sec	.184 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.074 In/Sec	.810 G-s
PIP - Pump Inboard Horz Peakvue	.289 G-s	
PIV - Pump Inboard Vertical	.137 In/Sec	.346 G-s
PIA - Pump Inboard Axial	.113 In/Sec	.217 G-s
POH - Pump Outboard Horizontal	.100 In/Sec	.314 G-s
POP - Pump Outboard Horz Peakvue	.101 G-s	
POV - Pump Outboard Vertical	.145 In/Sec	.212 G-s
POA - Pump Outboard Axial	.146 In/Sec	.115 G-s

Clarification Of Vibration Units:

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

Abbreviated Last Measurement

Summary

Database: Lucite Memphis MMA.rbm
Area: MMA
Route No. 7: TJ ROUTE 2
Report Date: 19-Jun-20 11:11

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

MON80	- Uninhibited Mon Tank Pump N	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.046 In/Sec	.104 G-s
MOP - Motor Outboard Horz Peakvue		.012 G-s	
MOV - MotorOutboard Vertical		.048 In/Sec	.463 G-s
MOA - Motor Outboard Axial		.118 In/Sec	.221 G-s
MIH - Motor Inboard Horizontal		.091 In/Sec	.196 G-s
MIP - Motor Inboard Horz Peakvue		.019 G-s	
MIV - Motor Inboard Vertical		.127 In/Sec	.026 G-s
MIA - Motor Inboard Axial		.118 In/Sec	.040 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.143 In/Sec	.062 G-s
PIP - Pump Inboard Horz Peakvue		.0080 G-s	
PIV - Pump Inboard Vertical		.042 In/Sec	.022 G-s
PIA - Pump Inboard Axial		.081 In/Sec	.036 G-s
MON81	- Uninhibited Mon Tank Pump S	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.039 In/Sec	.157 G-s
MOP - Motor Outboard Horz Peakvue		.011 G-s	
MOV - MotorOutboard Vertical		.036 In/Sec	.077 G-s
MOA - Motor Outboard Axial		.028 In/Sec	.034 G-s
MIH - Motor Inboard Horizontal		.051 In/Sec	.140 G-s
MIP - Motor Inboard Horz Peakvue		.018 G-s	
MIV - Motor Inboard Vertical		.051 In/Sec	.056 G-s
MIA - Motor Inboard Axial		.045 In/Sec	.047 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.129 In/Sec	.554 G-s
PIP - Pump Inboard Horz Peakvue		.041 G-s	
PIV - Pump Inboard Vertical		.103 In/Sec	.322 G-s
PIA - Pump Inboard Axial		.074 In/Sec	.197 G-s
MON56	- Inhibited Mon Xfer Pump E	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.070 In/Sec	.527 G-s
MOP - Motor Outboard Horz Peakvue		.034 G-s	
MOV - Motor Outboard Vertical		.057 In/Sec	.084 G-s
MOA - Motor Outboard Axial		.095 In/Sec	.155 G-s
MIH - Motor Inboard Horizontal		.094 In/Sec	.313 G-s
MIP - Motor Inboard Horz Peakvue		.090 G-s	
MIV - Motor Inboard Vertical		.055 In/Sec	.092 G-s
MIA - Motor Inboard Axial		.110 In/Sec	.094 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.307 In/Sec	1.364 G-s
PIP - Pump Inboard Horz Peakvue		.109 G-s	
PIV - Pump Inboard Vertical		.197 In/Sec	.761 G-s
PIA - Pump Inboard Axial		.533 In/Sec	.512 G-s
MON40	- Acetone Pump	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.026 In/Sec	.649 G-s
MOP - Motor Outboard Horz Peakvue		.085 G-s	
MOV - Motor Outboard Vertical		.033 In/Sec	.138 G-s
MOA - Motor Outboard Axial		.017 In/Sec	.098 G-s
MIH - Motor Inboard Horizontal		.024 In/Sec	1.266 G-s
MIP - Motor Inboard Horz Peakvue		.112 G-s	
MIV - Motor Inboard Vertical		.037 In/Sec	.106 G-s

MIA - Motor Inboard Axial	.050 In/Sec	.121 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.128 In/Sec	.631 G-s
PIP - Pump Inboard Horz Peakvue	.247 G-s	
PIV - Pump Inboard Vertical	.097 In/Sec	.645 G-s
PIA - Pump Inboard Axial	.074 In/Sec	.571 G-s
ACN14 - ACH Off Grade Pump	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.196 In/Sec	2.729 G-s
MOP - Motor Outboard Horz Peakvue	.976 G-s	
MOV - Motor Outboard Vertical	.095 In/Sec	.393 G-s
MOA - Motor Outboard Axial	.250 In/Sec	.669 G-s
MIH - Motor Inboard Horizontal	.315 In/Sec	4.488 G-s
MIP - Motor Inboard Horz Peakvue	.364 G-s	
MIV - Motor Inboard Vertical	.284 In/Sec	1.500 G-s
MIA - Motor Inboard Axial	.331 In/Sec	.471 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.130 In/Sec	1.037 G-s
PIP - Pump Inboard Horz Peakvue	.077 G-s	
PIV - Pump Inboard Vertical	.246 In/Sec	.462 G-s
PIA - Pump Inboard Axial	.156 In/Sec	.390 G-s
ACN08 - ACH Blend Tank	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.041 In/Sec	.135 G-s
MOP - Motor Outboard Horz Peakvue	.0084 G-s	
MOV - Motor Outboard Vertical	.242 In/Sec	.057 G-s
MOA - Motor Outboard Axial	.122 In/Sec	.042 G-s
MIH - Motor Inboard Horizontal	.045 In/Sec	.197 G-s
MIP - Motor Inboard Horz Peakvue	.035 G-s	
MIV - Motor Inboard Vertical	.140 In/Sec	.068 G-s
MIA - Motor Inboard Axial	.079 In/Sec	.059 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.080 In/Sec	.443 G-s
PIP - Pump Inboard Horz Peakvue	.157 G-s	
PIV - Pump Inboard Vertical	.086 In/Sec	.307 G-s
PIA - Pump Inboard Axial	.107 In/Sec	.111 G-s
ACN07A - ACH Prod Feed Pump N	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.024 In/Sec	.076 G-s
MOP - Motor Outboard Horz Peakvue	.012 G-s	
MOV - Motor Outboard Vertical	.106 In/Sec	.025 G-s
MOA - Motor Outboard Axial	.056 In/Sec	.043 G-s
MIH - Motor Inboard Horizontal	.037 In/Sec	.217 G-s
MIP - Motor Inboard Horz Peakvue	.014 G-s	
MIV - Motor Inboard Vertical	.074 In/Sec	.038 G-s
MIA - Motor Inboard Axial	.043 In/Sec	.053 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.071 In/Sec	.118 G-s
PIP - Pump Inboard Horz Peakvue	.019 G-s	
PIV - Pump Inboard Vertical	.041 In/Sec	.137 G-s
PIA - Pump Inboard Axial	.047 In/Sec	.131 G-s
ACN07B - ACH Prod Feed Pump M	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz

MOH - Motor Outboard Horizontal	.088 In/Sec	.858 G-s
MOP - Motor Outboard Horz Peakvue	.241 G-s	
MOV - Motor Outboard Vertical	.069 In/Sec	.260 G-s
MOA - Motor Outboard Axial	.058 In/Sec	.283 G-s
MIH - Motor Inboard Horizontal	.085 In/Sec	1.214 G-s
MIP - Motor Inboard Horz Peakvue	.697 G-s	
MIV - Motor Inboard Vertical	.053 In/Sec	.330 G-s
MIA - Motor Inboard Axial	.055 In/Sec	.298 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.170 In/Sec	1.523 G-s
PIP - Pump Inboard Horz Peakvue	.375 G-s	
PIV - Pump Inboard Vertical	.208 In/Sec	.669 G-s
PIA - Pump Inboard Axial	.194 In/Sec	.699 G-s

MON85E - Water Treatment Pmp E	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.163 In/Sec	.501 G-s
MOP - Motor Outboard Horz Peakvue	.219 G-s	
MOV - Motor Outboard Vertical	.084 In/Sec	.214 G-s
MOA - Motor Outboard Axial	.083 In/Sec	.201 G-s
MIH - Motor Inboard Horizontal	.151 In/Sec	.491 G-s
MIP - Motor Inboard Horz Peakvue	.151 G-s	
MIV - Motor Inboard Vertical	.233 In/Sec	.136 G-s
MIA - Motor Inboard Axial	.103 In/Sec	.178 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.301 In/Sec	.630 G-s
PIP - Pump Inboard Horz Peakvue	.347 G-s	
PIV - Pump Inboard Vertical	.125 In/Sec	.402 G-s
PIA - Pump Inboard Axial	.146 In/Sec	.290 G-s

MON85W - Water Treatment Pmp W	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.086 In/Sec	.437 G-s
MOP - Motor Outboard Horz Peakvue	.183 G-s	
MOV - Motor Outboard Vertical	.147 In/Sec	.085 G-s
MOA - Motor Outboard Axial	.108 In/Sec	.075 G-s
MIH - Motor Inboard Horizontal	.074 In/Sec	.257 G-s
MIP - Motor Inboard Horz Peakvue	.124 G-s	
MIV - Motor Inboard Vertical	.115 In/Sec	.216 G-s
MIA - Motor Inboard Axial	.078 In/Sec	.091 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.121 In/Sec	.739 G-s
PIP - Pump Inboard Horz Peakvue	.452 G-s	
PIV - Pump Inboard Vertical	.130 In/Sec	.169 G-s
PIA - Pump Inboard Axial	.090 In/Sec	.214 G-s

ACN28B - ACN Fan E	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.230 In/Sec	1.160 G-s
MOP - Motor Outboard Horz Peakvue	.310 G-s	
MOV - Motor Outboard Vertical	.219 In/Sec	.341 G-s
MOA - Motor Outboard Axial	.128 In/Sec	.186 G-s
MIH - Motor Inboard Horizontal	.280 In/Sec	.557 G-s
MIP - Motor Inboard Horz Peakvue	.072 G-s	
MIV - Motor Inboard Vertical	.469 In/Sec	.242 G-s
MIA - Motor Inboard Axial	.146 In/Sec	.070 G-s

ACN28A	- ACN Fan W	(15-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.116 In/Sec	.449 G-s
MOP - Motor Outboard Horz Peakvue		.156 G-s	
MOV - Motor Outboard Vertical		.151 In/Sec	.346 G-s
MOA - Motor Outboard Axial		.254 In/Sec	.216 G-s
MIH - Motor Inboard Horizontal		.213 In/Sec	1.160 G-s
MIP - Motor Inboard Horz Peakvue		.232 G-s	
MIV - Motor Inboard Vertical		.130 In/Sec	.716 G-s
MIA - Motor Inboard Axial		.159 In/Sec	.441 G-s
ACN29C	- ACN Cool Twr Pump S	(15-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.047 In/Sec	.653 G-s
MOP - Motor Outboard Horz Peakvue		.269 G-s	
MOV - Motor Outboard Vertical		.072 In/Sec	.226 G-s
MOA - Motor Outboard Axial		.040 In/Sec	.256 G-s
MIH - Motor Inboard Horizontal		.038 In/Sec	.464 G-s
MIP - Motor Inboard Horz Peakvue		.202 G-s	
MIV - Motor Inboard Vertical		.066 In/Sec	.230 G-s
MIA - Motor Inboard Axial		.047 In/Sec	.212 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.150 In/Sec	.828 G-s
PIP - Pump Inboard Horz Peakvue		.418 G-s	
PIV - Pump Inboard Vertical		.128 In/Sec	.164 G-s
PIA - Pump Inboard Axial		.102 In/Sec	.340 G-s
POH - Pump Outboard Horizontal		.093 In/Sec	.920 G-s
POP - Pump Outboard Horz Peakvue		.264 G-s	
POV - Pump Outboard Vertical		.075 In/Sec	.288 G-s
POA - Pump Outboard Axial		.088 In/Sec	.328 G-s
ACN29B	- ACN Cool Twr Pump M	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.051 In/Sec	1.051 G-s
MOP - Motor Outboard Horz Peakvue		.374 G-s	
MOV - Motor Outboard Vertical		.057 In/Sec	.228 G-s
MOA - Motor Outboard Axial		.043 In/Sec	.205 G-s
MIH - Motor Inboard Horizontal		.047 In/Sec	2.673 G-s
MIP - Motor Inboard Horz Peakvue		.700 G-s	
MIV - Motor Inboard Vertical		.051 In/Sec	.261 G-s
MIA - Motor Inboard Axial		.040 In/Sec	.600 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.114 In/Sec	.868 G-s
PIP - Pump Inboard Horz Peakvue		.500 G-s	
PIV - Pump Inboard Vertical		.082 In/Sec	.227 G-s
PIA - Pump Inboard Axial		.085 In/Sec	.229 G-s
POH - Pump Outboard Horizontal		.074 In/Sec	1.357 G-s
POP - Pump Outboard Horz Peakvue		.820 G-s	
POV - Pump Outboard Vertical		.070 In/Sec	.252 G-s
POA - Pump Outboard Axial		.107 In/Sec	.292 G-s
ACN29A	- ACN Cool Twr Pump N	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.061 In/Sec	.893 G-s
MOP - Motor Outboard Horz Peakvue		.180 G-s	
MOV - Motor Outboard Vertical		.066 In/Sec	.734 G-s
MOA - Motor Outboard Axial		.049 In/Sec	.262 G-s

MIH - Motor Inboard Horizontal	.070 In/Sec	1.101 G-s
MIP - Motor Inboard Horz Peakvue	.187 G-s	
MIV - Motor Inboard Vertical	.062 In/Sec	.393 G-s
MIA - Motor Inboard Axial	.089 In/Sec	1.038 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.296 In/Sec	.539 G-s
PIP - Pump Inboard Horz Peakvue	.339 G-s	
PIV - Pump Inboard Vertical	.130 In/Sec	.182 G-s
PIA - Pump Inboard Axial	.114 In/Sec	.220 G-s
POH - Pump Outboard Horizontal	.135 In/Sec	1.517 G-s
POP - Pump Outboard Horz Peakvue	1.061 G-s	
POV - Pump Outboard Vertical	.100 In/Sec	.384 G-s
POA - Pump Outboard Axial	.113 In/Sec	.291 G-s
ACN36 - ACH Neut Tank Circ Pmp	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MIH - Motor Inboard Horizontal	.079 In/Sec	.150 G-s
MIP - Motor Inboard Horz Peakvue	.023 G-s	
MIV - Motor Inboard Vertical	.126 In/Sec	.043 G-s
MIA - Motor Inboard Axial	.095 In/Sec	.039 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.098 In/Sec	.312 G-s
PIP - Pump Inboard Horz Peakvue	.106 G-s	
PIV - Pump Inboard Vertical	.090 In/Sec	.147 G-s
PIA - Pump Inboard Axial	.094 In/Sec	.119 G-s
ACN12 - #1 Kettle Xfer Pump	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.076 In/Sec	.212 G-s
MOP - Motor Outboard Horz Peakvue	.010 G-s	
MOV - Motor Outboard Vertical	.086 In/Sec	.094 G-s
MOA - Motor Outboard Axial	.078 In/Sec	.030 G-s
MIH - Motor Inboard Horizontal	.071 In/Sec	.247 G-s
MIP - Motor Inboard Horz Peakvue	.052 G-s	
MIV - Motor Inboard Vertical	.080 In/Sec	.292 G-s
MIA - Motor Inboard Axial	.066 In/Sec	.213 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.058 In/Sec	.127 G-s
PIP - Pump Inboard Horz Peakvue	.014 G-s	
PIV - Pump Inboard Vertical	.274 In/Sec	.109 G-s
PIA - Pump Inboard Axial	.084 In/Sec	.131 G-s
ACN10 - #1 Kettle Circ Pmp	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.025 In/Sec	.344 G-s
MOP - Motor Outboard Horz Peakvue	.081 G-s	
MOV - Motor Outboard Vertical	.036 In/Sec	.076 G-s
MOA - Motor Outboard Axial	.037 In/Sec	.078 G-s
MIH - Motor Inboard Horizontal	.024 In/Sec	.413 G-s
MIP - Motor Inboard Horz Peakvue	.189 G-s	
MIV - Motor Inboard Vertical	.028 In/Sec	.149 G-s
MIA - Motor Inboard Axial	.016 In/Sec	.083 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.050 In/Sec	.143 G-s
PIP - Pump Inboard Horz Peakvue	.084 G-s	
PIV - Pump Inboard Vertical	.043 In/Sec	.070 G-s
PIA - Pump Inboard Axial	.032 In/Sec	.066 G-s

ACN13A	- #2 Kettle Xfer Pump N	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.143 In/Sec	1.081 G-s
MOP - Motor Outboard Horz Peakvue		.260 G-s	
MOV - Motor Outboard Vertical		.137 In/Sec	.969 G-s
MOA - Motor Outboard Axial		.121 In/Sec	1.025 G-s
MIH - Motor Inboard Horizontal		.109 In/Sec	2.415 G-s
MIP - Motor Inboard Horz Peakvue		.593 G-s	
MIV - Motor Inboard Vertical		.130 In/Sec	1.508 G-s
MIA - Motor Inboard Axial		.099 In/Sec	1.082 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.110 In/Sec	.715 G-s
PIP - Pump Inboard Horz Peakvue		.069 G-s	
PIV - Pump Inboard Vertical		.127 In/Sec	.676 G-s
PIA - Pump Inboard Axial		.097 In/Sec	.462 G-s
ACN11	- #2 Kettle Circ Pump	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.034 In/Sec	.483 G-s
MOP - Motor Outboard Horz Peakvue		.234 G-s	
MOV - Motor Outboard Vertical		.042 In/Sec	.156 G-s
MOA - Motor Outboard Axial		.041 In/Sec	.097 G-s
MIH - Motor Inboard Horizontal		.023 In/Sec	.537 G-s
MIP - Motor Inboard Horz Peakvue		.319 G-s	
MIV - Motor Inboard Vertical		.046 In/Sec	.133 G-s
MIA - Motor Inboard Axial		.036 In/Sec	.143 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.043 In/Sec	.351 G-s
PIP - Pump Inboard Horz Peakvue		.236 G-s	
PIV - Pump Inboard Vertical		.090 In/Sec	.258 G-s
PIA - Pump Inboard Axial		.033 In/Sec	.211 G-s
ACN09	- ACH Flash Tank Pump	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.130 In/Sec	.503 G-s
MOP - Motor Outboard Horz Peakvue		.083 G-s	
MOV - Motor Outboard Vertical		.069 In/Sec	.173 G-s
MOA - Motor Outboard Axial		.102 In/Sec	.164 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.076 In/Sec	.188 G-s
PIP - Pump Inboard Horz Peakvue		.032 G-s	
PIV - Pump Inboard Vertical		.049 In/Sec	.191 G-s
PIA - Pump Inboard Axial		.060 In/Sec	.142 G-s
ACN16	- ACH Scrub Circ PumpN	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.062 In/Sec	.164 G-s
MOP - Motor Outboard Horz Peakvue		.044 G-s	
MOV - Motor Outboard Vertical		.037 In/Sec	.101 G-s
MOA - Motor Outboard Axial		.094 In/Sec	.066 G-s
MIH - Motor Inboard Horizontal		.080 In/Sec	.160 G-s
MIP - Motor Inboard Horz Peakvue		.109 G-s	
MIV - Motor Inboard Vertical		.056 In/Sec	.090 G-s
MIA - Motor Inboard Axial		.092 In/Sec	.061 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.126 In/Sec	.363 G-s

PIP - Pump Inboard Horz Peakvue	.307 G-s	
PIV - Pump Inboard Vertical	.077 In/Sec	.191 G-s
PIA - Pump Inboard Axial	.077 In/Sec	.132 G-s
ACN30 - ACH Scrubber Xfer Pmp	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.061 In/Sec	.339 G-s
MOP - Motor Outboard Horz Peakvue	.198 G-s	
MOV - Motor Outboard Vertical	.080 In/Sec	.254 G-s
MOA - Motor Outboard Axial	.113 In/Sec	.111 G-s
MIH - Motor Inboard Horizontal	.069 In/Sec	.382 G-s
MIP - Motor Inboard Horz Peakvue	.230 G-s	
MIV - Motor Inboard Vertical	.094 In/Sec	.213 G-s
MIA - Motor Inboard Axial	.083 In/Sec	.182 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.045 In/Sec	.063 G-s
PIP - Pump Inboard Horz Peakvue	.021 G-s	
PIV - Pump Inboard Vertical	.053 In/Sec	.048 G-s
PIA - Pump Inboard Axial	.035 In/Sec	.060 G-s
ACN05A - Topp Column Xfer Pmp W	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.088 In/Sec	.650 G-s
MOP - Motor Outboard Horz Peakvue	.044 G-s	
MOV - Motor Outboard Vertical	.075 In/Sec	.170 G-s
MOA - Motor Outboard Axial	.071 In/Sec	.190 G-s
MIH - Motor Inboard Horizontal	.075 In/Sec	1.231 G-s
MIP - Motor Inboard Horz Peakvue	.372 G-s	
MIV - Motor Inboard Vertical	.057 In/Sec	.077 G-s
MIA - Motor Inboard Axial	.061 In/Sec	.100 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.204 In/Sec	.608 G-s
PIP - Pump Inboard Horz Peakvue	.273 G-s	
PIV - Pump Inboard Vertical	.155 In/Sec	.367 G-s
PIA - Pump Inboard Axial	.098 In/Sec	.270 G-s
ACN04 - Topping Col Circ Pump	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.035 In/Sec	.192 G-s
MOP - Motor Outboard Horz Peakvue	.106 G-s	
MOV - Motor Outboard Vertical	.039 In/Sec	.061 G-s
MOA - Motor Outboard Axial	.043 In/Sec	.062 G-s
MIH - Motor Inboard Horizontal	.025 In/Sec	.413 G-s
MIP - Motor Inboard Horz Peakvue	.292 G-s	
MIV - Motor Inboard Vertical	.029 In/Sec	.103 G-s
MIA - Motor Inboard Axial	.028 In/Sec	.060 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.118 In/Sec	.321 G-s
PIP - Pump Inboard Horz Peakvue	.209 G-s	
PIV - Pump Inboard Vertical	.056 In/Sec	.148 G-s
PIA - Pump Inboard Axial	.053 In/Sec	.153 G-s
POH - Pump Outboard Horizontal	.046 In/Sec	.439 G-s
POP - Pump Outboard Horz Peakvue	.282 G-s	
POV - Pump Outboard Vertical	.068 In/Sec	.211 G-s
POA - Pump Outboard Axial	.052 In/Sec	.264 G-s
MON38CNM - LBS Tails Pump N	(11-Jun-20)	

	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.050 In/Sec	.501 G-s
MOP - Motor Outboard Horz Peakvue	.058 G-s	
MOV - Motor Outboard Vertical	.155 In/Sec	.118 G-s
MOA - Motor Outboard Axial	.051 In/Sec	.160 G-s
MIH - Motor Inboard Horizontal	.051 In/Sec	.620 G-s
MIP - Motor Inboard Horz Peakvue	.150 G-s	
MIV - Motor Inboard Vertical	.075 In/Sec	.164 G-s
MIA - Motor Inboard Axial	.058 In/Sec	.131 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.095 In/Sec	1.549 G-s
PIP - Pump Inboard Horz Peakvue	.337 G-s	
PIV - Pump Inboard Vertical	.074 In/Sec	.595 G-s
PIA - Pump Inboard Axial	.064 In/Sec	.587 G-s
MON38CSM - LBS Tails Pump S	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.034 In/Sec	.232 G-s
MOP - Motor Outboard Horz Peakvue	.026 G-s	
MOV - Motor Outboard Vertical	.040 In/Sec	.063 G-s
MOA - Motor Outboard Axial	.048 In/Sec	.126 G-s
MIH - Motor Inboard Horizontal	.043 In/Sec	.571 G-s
MIP - Motor Inboard Horz Peakvue	.058 G-s	
MIV - Motor Inboard Vertical	.052 In/Sec	.075 G-s
MIA - Motor Inboard Axial	.042 In/Sec	.078 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.089 In/Sec	.309 G-s
PIP - Pump Inboard Horz Peakvue	.116 G-s	
PIV - Pump Inboard Vertical	.065 In/Sec	.215 G-s
PIA - Pump Inboard Axial	.051 In/Sec	.134 G-s
MON 63W - LBS Side Stream Pump W	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.086 In/Sec	1.088 G-s
M1P - Motor Outboard Horz Peakvue	.026 G-s	
M1V - Motor Outboard Vertical	.111 In/Sec	.204 G-s
M1A - Motor Outboard Axial	.120 In/Sec	1.045 G-s
M2H - Motor Inboard Horizontal	.061 In/Sec	.889 G-s
M2P - Motor Inboard Horz Peakvue	.097 G-s	
M2V - Motor Inboard Vertical	.180 In/Sec	.319 G-s
M2A - Motor Inboard Axial	.139 In/Sec	.260 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.287 In/Sec	.489 G-s
P1P - Pump Inboard Horz Peakvue	.140 G-s	
P1V - Pump Inboard Vertical	.150 In/Sec	.392 G-s
P1A - Pump Inboard Axial	.195 In/Sec	.682 G-s
MON 63E - LBS Side Stream Pump E	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.136 In/Sec	.713 G-s
M1P - Motor Outboard Horz Peakvue	.041 G-s	
M1V - Motor Outboard Vertical	.367 In/Sec	.327 G-s
M1A - Motor Outboard Axial	.189 In/Sec	.185 G-s
M2H - Motor Inboard Horizontal	.114 In/Sec	.836 G-s
M2P - Motor Inboard Horz Peakvue	.068 G-s	
M2V - Motor Inboard Vertical	.198 In/Sec	.326 G-s
M2A - Motor Inboard Axial	.143 In/Sec	.122 G-s

	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.201 In/Sec	.593 G-s
P1P - Pump Inboard Horz Peakvue	.037 G-s	
P1V - Pump Inboard Vertical	.122 In/Sec	.365 G-s
P1A - Pump Inboard Axial	.081 In/Sec	.247 G-s
MON132 - Decanter Feed Pmp Spare	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.160 In/Sec	.180 G-s
MOP - Motor Outboard Horz Peakvue	.015 G-s	
MOV - Motor Outboard Vertical	.292 In/Sec	.054 G-s
MOA - Motor Outboard Axial	.159 In/Sec	.066 G-s
MIH - Motor Inboard Horizontal	.194 In/Sec	.202 G-s
MIP - Motor Inboard Horz Peakvue	.019 G-s	
MIV - Motor Inboard Vertical	.415 In/Sec	.056 G-s
MIA - Motor Inboard Axial	.142 In/Sec	.047 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.214 In/Sec	.377 G-s
PIP - Pump Inboard Horz Peakvue	.062 G-s	
PIV - Pump Inboard Vertical	.483 In/Sec	.150 G-s
PIA - Pump Inboard Axial	.116 In/Sec	.114 G-s
MON50 - Decanter Feed Pump	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.048 In/Sec	.396 G-s
MOP - Motor Outboard Horz Peakvue	.037 G-s	
MOV - Motor Outboard Vertical	.079 In/Sec	.191 G-s
MOA - Motor Outboard Axial	.106 In/Sec	.123 G-s
MIH - Motor Inboard Horizontal	.044 In/Sec	.508 G-s
MIP - Motor Inboard Horz Peakvue	.078 G-s	
MIV - Motor Inboard Vertical	.089 In/Sec	.230 G-s
MIA - Motor Inboard Axial	.091 In/Sec	.106 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.220 In/Sec	.608 G-s
PIP - Pump Inboard Horz Peakvue	.243 G-s	
PIV - Pump Inboard Vertical	.261 In/Sec	.268 G-s
PIA - Pump Inboard Axial	.179 In/Sec	.555 G-s
MON 51 - WCM Tails Swing/Spare Pmp	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.079 In/Sec	.263 G-s
M1P - Motor Outboard Horz Peakvue	.016 G-s	
M1V - Motor Outboard Vertical	.029 In/Sec	.045 G-s
M1A - Motor Outboard Axial	.030 In/Sec	.059 G-s
M2H - Motor Inboard Horizontal	.078 In/Sec	.301 G-s
M2P - Motor Inboard Horz Peakvue	.054 G-s	
M2V - Motor Inboard Vertical	.037 In/Sec	.061 G-s
M2A - Motor Inboard Axial	.037 In/Sec	.053 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.123 In/Sec	.208 G-s
P1P - Pump Inboard Horz Peakvue	.019 G-s	
P1V - Pump Inboard Vertical	.064 In/Sec	.218 G-s
P1A - Pump Inboard Axial	.082 In/Sec	.143 G-s
P2H - Pump Outboard Horizontal	.116 In/Sec	.182 G-s
P2P - Pump Outboard Horz Peakvue	.022 G-s	
P2V - Pump Outboard Vertical	.069 In/Sec	.118 G-s
P2A - Pump Outboard Axial	.075 In/Sec	.136 G-s

MON84	- WCM Tails Pump S	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.061 In/Sec	.783 G-s
MOP - Motor Outboard Horz Peakvue		.018 G-s	
MOV - Motor Outboard Vertical		.060 In/Sec	.661 G-s
MOA - Motor Outboard Axial		.198 In/Sec	.079 G-s
MIH - Motor Inboard Horizontal		.066 In/Sec	.830 G-s
MIP - Motor Inboard Horz Peakvue		.137 G-s	
MIV - Motor Inboard Vertical		.132 In/Sec	.128 G-s
MIA - Motor Inboard Axial		.174 In/Sec	.038 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.154 In/Sec	.430 G-s
PIP - Pump Inboard Horz Peakvue		.147 G-s	
PIV - Pump Inboard Vertical		.200 In/Sec	.234 G-s
PIA - Pump Inboard Axial		.209 In/Sec	.204 G-s
MON38A	- LBS Reflux Pmp S	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.046 In/Sec	.404 G-s
MOP - Motor Outboard Horz Peakvue		.118 G-s	
MOV - Motor Outboard Vertical		.037 In/Sec	.146 G-s
MOA - Motor Outboard Axial		.042 In/Sec	.124 G-s
MIH - Motor Inboard Horizontal		.047 In/Sec	.636 G-s
MIP - Motor Inboard Horz Peakvue		.115 G-s	
MIV - Motor Inboard Vertical		.052 In/Sec	.134 G-s
MIA - Motor Inboard Axial		.046 In/Sec	.124 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.058 In/Sec	.927 G-s
PIP - Pump Inboard Horz Peakvue		.271 G-s	
PIV - Pump Inboard Vertical		.066 In/Sec	.867 G-s
PIA - Pump Inboard Axial		.068 In/Sec	.347 G-s
MON38B	- LBS Reflux Pmp N	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal		.070 In/Sec	.572 G-s
MOP - Motor Outboard Horz Peakvue		.173 G-s	
MOV - Motor Outboard Vertical		.080 In/Sec	.131 G-s
MOA - Motor Outboard Axial		.047 In/Sec	.154 G-s
MIH - Motor Inboard Horizontal		.061 In/Sec	.459 G-s
MIP - Motor Inboard Horz Peakvue		.132 G-s	
MIV - Motor Inboard Vertical		.107 In/Sec	.075 G-s
MIA - Motor Inboard Axial		.040 In/Sec	.092 G-s
		OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal		.092 In/Sec	.514 G-s
PIP - Pump Inboard Horz Peakvue		.056 G-s	
PIV - Pump Inboard Vertical		.122 In/Sec	.223 G-s
PIA - Pump Inboard Axial		.115 In/Sec	.283 G-s
MON 32B	- ARC Reflux Pmp S	(11-Jun-20)	
		OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal		.071 In/Sec	.363 G-s
M1P - Motor Outboard Horz Peakvue		.045 G-s	
M1V - Motor Outboard Vertical		.103 In/Sec	.155 G-s
M1A - Motor Outboard Axial		.104 In/Sec	.105 G-s
M2H - Motor Inboard Horizontal		.075 In/Sec	.681 G-s
M2P - Motor Inboard Horz Peakvue		.111 G-s	

M2V - Motor Inboard Vertical	.116 In/Sec	.109 G-s
M2A - Motor Inboard Axial	.114 In/Sec	.080 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.129 In/Sec	.312 G-s
P1P - Pump Inboard Horz Peakvue	.036 G-s	
P1V - Pump Inboard Vertical	.171 In/Sec	.153 G-s
P1A - Pump Inboard Axial	.110 In/Sec	.257 G-s
P2H - Pump Outboard Horizontal	.090 In/Sec	.307 G-s
P2P - Pump Outboard Horz Peakvue	.099 G-s	
P2V - Pump Outboard Vertical	.151 In/Sec	.334 G-s
P2A - Pump Outboard Axial	.126 In/Sec	.234 G-s
MON 32A - ARC Reflux Pmp N	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
M1V - Motor Outboard Vertical	.056 In/Sec	.245 G-s
M1A - Motor Outboard Axial	.067 In/Sec	.082 G-s
M2H - Motor Inboard Horizontal	.057 In/Sec	.342 G-s
M2P - Motor Inboard Horz Peakvue	.033 G-s	
M2V - Motor Inboard Vertical	.073 In/Sec	.086 G-s
M2A - Motor Inboard Axial	.131 In/Sec	.087 G-s
	OVERALL LEVEL	1K-20KHz
P1H - Pump Inboard Horizontal	.083 In/Sec	.376 G-s
P1P - Pump Inboard Horz Peakvue	.043 G-s	
P1V - Pump Inboard Vertical	.100 In/Sec	.189 G-s
P1A - Pump Inboard Axial	.093 In/Sec	.418 G-s
P2H - Pump Outboard Horizontal	.067 In/Sec	.394 G-s
P2P - Pump Outboard Horz Peakvue	.039 G-s	
P2V - Pump Outboard Vertical	.106 In/Sec	.180 G-s
P2A - Pump Outboard Axial	.095 In/Sec	.398 G-s
	OVERALL LEVEL	1K-20kHz
M1H - Motor Outboard Horizontal	.079 In/Sec	.355 G-s
M1P - Motor Outboard Horz Peakvue	.046 G-s	
MON118 - Tempered H2O Pmp	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.068 In/Sec	.246 G-s
MOP - Motor Outboard Horz Peakvue	.087 G-s	
MOV - Motor Outboard Vertical	.033 In/Sec	.106 G-s
MOA - Motor Outboard Axial	.088 In/Sec	.052 G-s
MIH - Motor Inboard Horizontal	.091 In/Sec	.253 G-s
MIP - Motor Inboard Horz Peakvue	.122 G-s	
MIV - Motor Inboard Vertical	.040 In/Sec	.055 G-s
MIA - Motor Inboard Axial	.053 In/Sec	.066 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.067 In/Sec	.032 G-s
PIP - Pump Inboard Horz Peakvue	.020 G-s	
PIV - Pump Inboard Vertical	.030 In/Sec	.022 G-s
PIA - Pump Inboard Axial	.042 In/Sec	.027 G-s
POH - Pump Outboard Horizontal	.052 In/Sec	.039 G-s
POP - Pump Outboard Horz Peakvue	.022 G-s	
POV - Pump Outboard Vertical	.024 In/Sec	.029 G-s
POA - Pump Outboard Axial	.044 In/Sec	.023 G-s
MON55NM - HUT Pump N	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.022 In/Sec	.213 G-s
MOP - Motor Outboard Horz Peakvue	.142 G-s	

MOV - Motor Outboard Vertical	.048 In/Sec	.082 G-s
MOA - Motor Outboard Axial	.027 In/Sec	.168 G-s
MIH - Motor Inboard Horizontal	.027 In/Sec	.283 G-s
MIP - Motor Inboard Horz Peakvue	.153 G-s	
MIV - Motor Inboard Vertical	.044 In/Sec	.145 G-s
MIA - Motor Inboard Axial	.022 In/Sec	.152 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.210 In/Sec	.389 G-s
PIP - Pump Inboard Horz Peakvue	.235 G-s	
PIV - Pump Inboard Vertical	.154 In/Sec	.177 G-s
PIA - Pump Inboard Axial	.110 In/Sec	.112 G-s
POH - Pump Outboard Horizontal	.146 In/Sec	.439 G-s
POP - Pump Outboard Horz Peakvue	.243 G-s	
POV - Pump Outboard Vertical	.080 In/Sec	.100 G-s
POA - Pump Outboard Axial	.125 In/Sec	.106 G-s
MON67NM - PTZ Xfer Pump N	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.077 In/Sec	.196 G-s
MOP - Motor Outboard Horz Peakvue	.036 G-s	
MOV - Motor Outboard Vertical	.059 In/Sec	.061 G-s
MOA - Motor Outboard Axial	.102 In/Sec	.074 G-s
MIH - Motor Inboard Horizontal	.105 In/Sec	.420 G-s
MIP - Motor Inboard Horz Peakvue	.051 G-s	
MIV - Motor Inboard Vertical	.110 In/Sec	.165 G-s
MIA - Motor Inboard Axial	.100 In/Sec	.184 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.131 In/Sec	.666 G-s
PIP - Pump Inboard Horz Peakvue	.197 G-s	
PIV - Pump Inboard Vertical	.069 In/Sec	.383 G-s
PIA - Pump Inboard Axial	.075 In/Sec	.233 G-s
MON67SM - PTZ Xfer Pump S	(15-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.086 In/Sec	.378 G-s
MOP - Motor Outboard Horz Peakvue	.0036 G-s	
MOV - Motor Outboard Vertical	.070 In/Sec	.084 G-s
MOA - Motor Outboard Axial	.033 In/Sec	.136 G-s
MIH - Motor Inboard Horizontal	.094 In/Sec	.262 G-s
MIP - Motor Inboard Horz Peakvue	.030 G-s	
MIV - Motor Inboard Vertical	.066 In/Sec	.123 G-s
MIA - Motor Inboard Axial	.044 In/Sec	.037 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.039 In/Sec	.469 G-s
PIP - Pump Inboard Horz Peakvue	.026 G-s	
PIV - Pump Inboard Vertical	.043 In/Sec	.458 G-s
PIA - Pump Inboard Axial	.044 In/Sec	.492 G-s
MON68A - #1 Reactor H2O Circ Pump	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.122 In/Sec	.358 G-s
MOP - Motor Outboard Horz Peakvue	.119 G-s	
MOV - Motor Outboard Vertical	.035 In/Sec	.216 G-s
MOA - Motor Outboard Axial	.076 In/Sec	.085 G-s
MIH - Motor Inboard Horizontal	.121 In/Sec	.214 G-s
MIP - Motor Inboard Horz Peakvue	.078 G-s	
MIV - Motor Inboard Vertical	.054 In/Sec	.060 G-s

MIA - Motor Inboard Axial	.063 In/Sec	.055 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.082 In/Sec	.406 G-s
PIP - Pump Inboard Horz Peakvue	.211 G-s	
PIV - Pump Inboard Vertical	.063 In/Sec	.302 G-s
PIA - Pump Inboard Axial	.078 In/Sec	.307 G-s
MON43B - Amide Reactor Circ Pmp #2S	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.092 In/Sec	.074 G-s
MOP - Motor Outboard Horz Peakvue	.0068 G-s	
MOV - Motor Outboard Vertical	.090 In/Sec	.061 G-s
MOA - Motor Outboard Axial	.084 In/Sec	.030 G-s
MIH - Motor Inboard Horizontal	.097 In/Sec	.080 G-s
MIP - Motor Inboard Horz Peakvue	.0091 G-s	
MIV - Motor Inboard Vertical	.118 In/Sec	.034 G-s
MIA - Motor Inboard Axial	.096 In/Sec	.018 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.227 In/Sec	.276 G-s
PIP - Pump Inboard Horz Peakvue	.139 G-s	
PIV - Pump Inboard Vertical	.170 In/Sec	.284 G-s
PIA - Pump Inboard Axial	.149 In/Sec	.186 G-s
MON65 - Amide Reactor Circ Primary	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.105 In/Sec	.270 G-s
MOP - Motor Outboard Horz Peakvue	.180 G-s	
MOV - Motor Outboard Vertical	.254 In/Sec	.123 G-s
MOA - Motor Outboard Axial	.079 In/Sec	.093 G-s
MIH - Motor Inboard Horizontal	.087 In/Sec	.526 G-s
MIP - Motor Inboard Horz Peakvue	.296 G-s	
MIV - Motor Inboard Vertical	.132 In/Sec	.070 G-s
MIA - Motor Inboard Axial	.082 In/Sec	.154 G-s
	OVERALL LEVEL	1K-20KHz
PIH - Pump Inboard Horizontal	.161 In/Sec	.137 G-s
PIP - Pump Inboard Horz Peakvue	.097 G-s	
PIV - Pump Inboard Vertical	.174 In/Sec	.098 G-s
PIA - Pump Inboard Axial	.047 In/Sec	.069 G-s
MON36 - Irganox Mix/Feed Pump	(11-Jun-20)	
	OVERALL LEVEL	1K-20kHz
MOH - Motor Outboard Horizontal	.073 In/Sec	.186 G-s
MOP - Motor Outboard Horz Peakvue	.055 G-s	
MOV - Motor Outboard Vertical	.038 In/Sec	.060 G-s
MOA - Motor Outboard Axial	.050 In/Sec	.087 G-s
IIH - Input Shaft Inboard Horizontal	.055 In/Sec	
IIP - Input Shaft Inboard Horz Peakvue	.312 G-s	
IIV - Input Shaft Inboard Vertical	.036 In/Sec	
IIA - Input Shaft Inboard Axial	.055 In/Sec	
	OVERALL LEVEL	1K-20KHz
POH - Pump Outboard Horizontal	.063 In/Sec	.475 G-s
POP - Pump Outboard Horz Peakvue	.373 G-s	
POV - Pump Outboard Vertical	.086 In/Sec	1.258 G-s
POA - Pump Outboard Axial	.104 In/Sec	1.104 G-s

Clarification Of Vibration Units:

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