HI-SPEED INDUSTRIAL SERVICE

MILLINGTON, TN

June 11, 2021

Mitsubishi Chemicals

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,

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Detailed Defects

MON 63W LBS Side Stream Pump West
Vibration data shows an increase in synchronous and non-synchronous peaks in the spectrum for the motor bearings. We suspect bearing defects are present. Ensure adequate bearing lubrication if applicable. Prepare to change out the motor in the future. **Rated a Class II Defect.**

SAR 03 Turbine Compressor Main Blower
Vibrations still appear to be acceptable. **Non-rated.**

Observations

ACN 07B ACH Product Feed Pump Middle
Data shows possible pump vane pass and cavitation. Check for process variables. **Rated a Class I Defect**

ACN 13A #2 Kettle Transfer Pump North
Motor data shows non-synchronous vibrations in the spectrum. We suspect distress in the motor bearings. **Rated a Class I Defect.**

ACN22 ACN Ref Booster Pump #2
The motor and pump axial vibrations are mostly up especially at 4x shaft speed. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Also ensure the pump is operating properly in the correct point on the performance curve. **Rated a Class I Defect.**

ACN28B ACN Fan East
The motor shaft end still shows an elevated shaft speed vibration. Inspect and clean the fan wheel at the next downtime. Check all fasteners and structures.
Rated a Class II Defect.

ACN29C ACN Cooling Tower Pump South
Pump bearing data still shows non-synchronous harmonic peaks in the spectrum. Vibrations are most likely low amplitude bearing defect frequencies. A more detailed analysis could be provided if we had the bearing numbers in the database. **Rated a Class I Defect.**

MON45WM ACH Ref Brine Pump West
Pump data appears to show an elevated noise floor in the acceleration spectrum of the outboard pump bearing. This usually indicates cavitation in the pump. Check the pump operating parameters. **Rated a Class I Defect.**

Mon 55 SM Hut Pump South
Time waveform still shows vibration above the frequency of the spectrum f Max for the motor bearings at just above 3 KHz. Have the f max raised to 4 or 5 KHz for the unit. Motor shows rotor bar passing frequency vibrations in the spectrum we can see. There could be a bearing defect we cannot see without a higher frequency spectrum with comparable lines of resolution. **Rated a Class I Defect for now.**

MON65 Amide Reactor Circulation Primary
The motor is still showing a shaft speed vibration in the vertical measurements. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. **Rated a Class I Defect.**

MON85E Water Treatment Pump East
The pump inboard horizontal and motor axial vibrations are elevated, especially at 5x shaft speed. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Also ensure the pump is operating properly in the correct point on the performance curve. **Rated a Class II Defect.**

MON132 Decanter Feed Pump Spare
The pump inboard vertical and motor axial vibrations are elevated, especially at 1x shaft speed. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Also ensure the pump is operating properly in the correct point on the performance curve. **Rated a Class II Defect.**

SAR 10 Process Air Fan E
The fan bearings still show a raised noise floor in the acceleration spectrum and impacting in the time domain as well as a few harmonics of the fundamental speed. This could be distress in the bearings, lubrication, mechanical looseness, or some other anomaly issue. Inspect the unit and bearings in the near future. **Rated a Class II Defect.**

SAR 12 Recycle Fan East
The data indicates distress in the inboard motor bearing. We only see about 1.6 g's RMS overall for the horizontal measurements. Ensure the bearings are lubricated if applicable. We will keep an eye on this unit in the future. No other action is required at this time. **Rated a Class I Defect.**

SAR13 Combustion Fan East
The fan axial vibration has dropped substantially since last report; however the fan bearings are still showing multiple vibration peaks below 200 Hz that are hard to identify. Inspect the drive train and check for wear and alignment. Check all fasteners and structures. Perform a lift check on the fan shaft to confirm if the unit has loose fits. **Rated a Class I Defect.**

SAR 14 Combustion Air Fan West
The data indicates distress in the inboard motor bearing. We only see about 1.2 g's RMS overall for the horizontal measurements. Ensure the bearings are lubricated if applicable. We will keep an eye on this unit in the future. No other action is required at this time. **Rated a Class I Defect.**

SAR 38 Drying Tower Pump-out
The pump inboard horizontal vibration has dropped but is still slightly elevated, especially at 1x shaft speed. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Also ensure the pump is operating properly in the correct point on the performance curve. **Rated a Class I Defect.**

SAR55A Neutralization Pump North
The data continues to indicate distress in the inboard motor bearing. We see an increase to 3.5 g's RMS overall for the horizontal measurement. Ensure the motor bearings are lubricated if applicable. Be prepared to change out the motor in the future. **Rated a Class II Defect.**

SAR55B Neutralization Pump South
The data continues to show signs of early distress in the inboard motor bearing We still see about 1.5 g's RMS overall for the horizontal measurement. The motor also has a slight 1xRPM vibration. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Ensure the motor bearings are lubricated if applicable. We will keep an eye on this unit in the future. **Rated a Class I Defect.**

SAR 66A, B, C Vertical Cooling Tower Pumps
These units have high vibrations at near ½" per second velocity overall. Vertical pumps are susceptible to imbalance and resonance. Some sheet metal covers prevent good bearing data to be collected. Inspect units for fastener and structure issues. Trim balancing might help. **Rated a Class I Defect.**

SAR 63 EM Spent Acid Feed Pump E
The pump data still indicates slight issues that are most like bearing defects; however, there could be cavitation in the pump causing these vibrations. **Rated a Class I Defect.**

SAR78A Cooling Tower Fan #1
The motor continues have a elevated 1x RPM vibration in the axial measurements. Inspect the fasteners, structure, coupling and alignment as time allows. **Rated a Class I Defect.**

SAR78D Cooling Tower Fan #4
Motor speed vibration has slightly decreased in the motor but is still an issue that needs to be addressed. Inspect as soon as possible for issues such as loose fasteners, structural issues, imbalance, coupling and drive train defects. **Rated a Class III Defect.**

SAR137A Contain pit Pump North
Motor has a dominant 5x RPM vibration. Vane pass vibration could indicate a flow issue. Check for flow restrictions. **Rated a Class II Defect.**

SAR 161A North SAR Cooling Tower Fan West
The motor has a 1xRPM vibration and two smaller harmonics. Check for loose fasteners, coupling and drive train issues if so equipped. **Rated a Class I Defect.**

SAR222 Oleum Tower Drain Pump
Inboard pump bearing has multiple synchronous and non-synchronous vibration peaks. Overall acceleration is over 4g's RMS. The bearing is in distress. Ensure they are lubricated properly. We will watch carefully going forward. **Rated a Class II Defect.**

Previously reported equipment but not running this survey

ACN 07C ACH Product Feed Pump South
The vibration data shows what looks to be outer race defects in the motor inboard bearing and non-synchronous frequencies in the inboard pump bearings which are also most likely bearing defect harmonics. We will keep an eye on this unit in the future. No action is required at this time. **Rated a Class I Defect**

ACN13B #2 Kettle Circulation Pump
Motor bearing data still shows outer race defects in the inboard bearing. The vibrations have not changed much recently. We will watch this carefully going forward; however, in might be prudent to change this unit out as time allows. **Rated a Class II Defect.**

ACN 14 ACH Off Grade Pump
The data still shows signs of slight distress in the motor bearings. We see 2 to 3 g's RMS overall for the horizontal measurements. There seems to be long intervals between collected data, and the defects seem to have been there for some time. We also see an elevated axial vibration in the motor at shaft speed above 0.4:/second velocity peak. Inspect the coupling and fasteners and have the alignment checked and adjusted if needed. **Rated a Class II Defect**

ACN36 ACN West Tank Circulation Pump
The pump inboard horizontal vibrations are elevated, especially at 4x shaft speed. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Also ensure the pump is operating properly in the correct point on the performance curve. **Rated a Class I Defect.**

MON 45 EM ACH Ref Brine Pump East
Data for the motor outboard bearing shows possible outer race defects. We will watch this unit carefully going forward and recommend action as required. **Rated a Class II Defect.**

SAR231A Final Tower Circulation Pump North
There is a jump in vibrations at shaft speed and the first harmonic in the motor. Inspect the unit for loose fasteners, alignment, and coupling wear at time allows. Also ensure the pump is operating properly in the correct point on the performance curve. **Rated a Class II Defect.**

June 2021 survey data

Abbreviated Last Measurement Summary
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Database: Lucite Memphis MMA.rbm
Area: MMA
Report Date: 11-Jun-21 07:56

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD	EQUIPMENT SPEED
0126 - Carrier Ref Unit	(28-Sep-20)		
	OVERALL LEVEL	1K-20kHz	
MOH	.025 In/Sec	.358 G-s	1780.0 RPM
MOP	.026 G-s		
MOV	.028 In/Sec	.091 G-s	
MOA	.028 In/Sec	.045 G-s	
MIH	.031 In/Sec	.396 G-s	
MIP	.031 G-s		
MIV	.022 In/Sec	.188 G-s	
MIA	.015 In/Sec	.123 G-s	
IIH	.176 In/Sec		
IIP	1.505 G-s		
IIV	.160 In/Sec		
IIA	.098 In/Sec		
OOH	.166 In/Sec		
OOP	2.072 G-s		
OOV	.196 In/Sec		
OOA	.098 In/Sec		
CIH	.085 In/Sec		
CIP	.622 G-s		
CIV	.088 In/Sec		
CIA	.063 In/Sec		
COH	.041 In/Sec		
COP	.245 G-s		
COV	.043 In/Sec		
COA	.048 In/Sec		
ACN04 - Topping Col Circ Pump	(24-May-21)		

	OVERALL LEVEL	1K-20kHz	
MOH	.037 In/Sec	.320 G-s	1175.0 RPM
MOP	.157 G-s		
MOV	.038 In/Sec	.117 G-s	
MOA	.035 In/Sec	.024 G-s	
MIH	.028 In/Sec	.408 G-s	
MIP	.242 G-s		
MIV	.030 In/Sec	.117 G-s	
MIA	.027 In/Sec	.069 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.109 In/Sec	.287 G-s	
PIP	.189 G-s		
PIV	.059 In/Sec	.272 G-s	
PIA	.058 In/Sec	.310 G-s	
POH	.060 In/Sec	.602 G-s	
POP	.369 G-s		
POV	.069 In/Sec	.225 G-s	
POA	.052 In/Sec	.169 G-s	

ACN05B - Topp Column Xfer Pmp E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.069 In/Sec	.794 G-s	3575.0 RPM
MOP	.153 G-s		
MOV	.057 In/Sec	.160 G-s	
MOA	.032 In/Sec	.093 G-s	
MIH	.062 In/Sec	.909 G-s	
MIP	.102 G-s		
MIV	.050 In/Sec	.111 G-s	
MIA	.030 In/Sec	.083 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.097 In/Sec	.755 G-s	
PIP	.175 G-s		
PIV	.107 In/Sec	.381 G-s	
PIA	.095 In/Sec	.127 G-s	

ACN07B - ACH Prod Feed Pump M (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.060 In/Sec	1.396 G-s	3575.0 RPM
MOP	.106 G-s		
MOV	.081 In/Sec	.215 G-s	
MOA	.062 In/Sec	.149 G-s	
MIH	.052 In/Sec	1.134 G-s	
MIP	.119 G-s		
MIV	.052 In/Sec	.204 G-s	
MIA	.052 In/Sec	.200 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.244 In/Sec	1.812 G-s	
PIP	.344 G-s		
PIV	.252 In/Sec	.716 G-s	
PIA	.101 In/Sec	.492 G-s	

ACN08 - ACH Blend Tank (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.096 In/Sec	.202 G-s	3575.0 RPM
MOP	.0066 G-s		
MOV	.166 In/Sec	.065 G-s	
MOA	.155 In/Sec	.051 G-s	

	MIH	.043 In/Sec	.209 G-s	
	MIP	.025 G-s		
	MIV	.130 In/Sec	.087 G-s	
	MIA	.104 In/Sec	.035 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.094 In/Sec	.362 G-s	
	PIP	.140 G-s		
	PIV	.088 In/Sec	.101 G-s	
	PIA	.066 In/Sec	.143 G-s	

ACN09 - ACH Flash Tank Pump (24-May-21)

		OVERALL LEVEL	1K-20kHz	
	MOH	.140 In/Sec	.459 G-s	3575.0 RPM
	MOP	.050 G-s		
	MOV	.120 In/Sec	.169 G-s	
	MOA	.090 In/Sec	.152 G-s	
*	MIV	.068 In/Sec	.831 G-s	
*	MIA	.108 In/Sec	1.139 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.072 In/Sec	.222 G-s	
	PIP	.072 G-s		
	PIV	.075 In/Sec	.185 G-s	
	PIA	.051 In/Sec	.185 G-s	

ACN10 - #1 Kettle Circ Pmp (24-May-21)

		OVERALL LEVEL	1K-20kHz	
	MOH	.020 In/Sec	.314 G-s	1775.0 RPM
	MOP	.126 G-s		
	MOV	.032 In/Sec	.144 G-s	
	MOA	.021 In/Sec	.086 G-s	
	MIH	.025 In/Sec	.568 G-s	
	MIP	.305 G-s		
	MIV	.024 In/Sec	.204 G-s	
	MIA	.022 In/Sec	.169 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.039 In/Sec	.269 G-s	
	PIP	.174 G-s		
	PIV	.037 In/Sec	.140 G-s	
	PIA	.037 In/Sec	.102 G-s	

ACN11 - #2 Kettle Circ Pump (24-May-21)

		OVERALL LEVEL	1K-20kHz	
	MOH	.034 In/Sec	.516 G-s	1775.0 RPM
	MOP	.131 G-s		
	MOV	.058 In/Sec	.188 G-s	
	MOA	.044 In/Sec	.102 G-s	
	MIH	.024 In/Sec	.556 G-s	
	MIP	.274 G-s		
	MIV	.058 In/Sec	.097 G-s	
	MIA	.037 In/Sec	.090 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.063 In/Sec	.289 G-s	
	PIP	.177 G-s		
	PIV	.092 In/Sec	.219 G-s	
	PIA	.030 In/Sec	.177 G-s	
*	POV	.104 In/Sec	.200 G-s	
*	POA	.038 In/Sec	.253 G-s	

ACN12	- #1 Kettle Xfer Pump		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.044 In/Sec	.190 G-s	3575.0 RPM
	MOP	.012 G-s		
	MOV	.045 In/Sec	.130 G-s	
	MOA	.049 In/Sec	.038 G-s	
	MIH	.033 In/Sec	.232 G-s	
	MIP	.035 G-s		
	MIV	.055 In/Sec	.163 G-s	
	MIA	.042 In/Sec	.067 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.048 In/Sec	.087 G-s	
	PIP	.0075 G-s		
	PIV	.045 In/Sec	.167 G-s	
	PIA	.044 In/Sec	.138 G-s	
ACN13A	- #2 Kettle Xfer Pump N		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.126 In/Sec	1.129 G-s	3575.0 RPM
	MOP	.172 G-s		
	MOV	.129 In/Sec	.786 G-s	
	MOA	.111 In/Sec	.608 G-s	
	MIH	.137 In/Sec	3.440 G-s	
	MIP	.419 G-s		
	MIV	.105 In/Sec	.899 G-s	
	MIA	.127 In/Sec	1.607 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.093 In/Sec	.687 G-s	
	PIP	.099 G-s		
	PIV	.120 In/Sec	.633 G-s	
	PIA	.097 In/Sec	.434 G-s	
ACN16	- ACH Scrb Circ PumpN		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.079 In/Sec	.233 G-s	1780.0 RPM
	MOP	.079 G-s		
	MOV	.028 In/Sec	.157 G-s	
	MOA	.108 In/Sec	.090 G-s	
	MIH	.060 In/Sec	.296 G-s	
	MIP	.177 G-s		
	MIV	.070 In/Sec	.178 G-s	
	MIA	.065 In/Sec	.076 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.158 In/Sec	.215 G-s	
	PIP	.135 G-s		
	PIV	.092 In/Sec	.192 G-s	
	PIA	.144 In/Sec	.102 G-s	
*	POV	.132 In/Sec	.412 G-s	
*	POA	.202 In/Sec	.396 G-s	
AC17	- Carrier Ref Unit		(25-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.022 In/Sec	.150 G-s	1780.0 RPM
	MOP	.025 G-s		
	MOV	.019 In/Sec	.106 G-s	
	MOA	.012 In/Sec	.044 G-s	

MIH	.020 In/Sec	.143 G-s	
MIP	.040 G-s		
MIV	.017 In/Sec	.143 G-s	
MIA	.012 In/Sec	.043 G-s	
IIH	.158 In/Sec		
IIP	1.280 G-s		
IIV	.056 In/Sec		
IIA	.072 In/Sec		
OOH	.152 In/Sec		
OOP	1.369 G-s		
OOV	.055 In/Sec		
OOA	.065 In/Sec		
CIH	.095 In/Sec		
CIP	.598 G-s		
CIV	.091 In/Sec		
CIA	.123 In/Sec		
COH	.044 In/Sec		
COP	.359 G-s		
COV	.051 In/Sec		
COA	.065 In/Sec		

ACN17DP - DP Comp (25-May-21)

	OVERALL LEVEL		
21	.029 Mils		1775.0 RPM
22	.128 Mils		
27	.012 Mils		
23	.060 Mils		
24	.031 Mils		

ACN22 - ACN Ref Unit Booster #2 (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.115 In/Sec	.465 G-s	3575.0 RPM
MOP	.029 G-s		
MOV	.174 In/Sec	.112 G-s	
MOA	.416 In/Sec	.047 G-s	
MIH	.132 In/Sec	.185 G-s	
MIP	.012 G-s		
MIV	.171 In/Sec	.064 G-s	
MIA	.361 In/Sec	.042 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.117 In/Sec	.488 G-s	
PIP	.230 G-s		
PIV	.158 In/Sec	.201 G-s	
PIA	.277 In/Sec	.180 G-s	
POH	.110 In/Sec	.396 G-s	
POP	.152 G-s		
POV	.188 In/Sec	.391 G-s	
POA	.252 In/Sec	.175 G-s	

ACN28A - ACN Fan W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.140 In/Sec	.857 G-s	1775.0 RPM
MOP	.175 G-s		
MOV	.190 In/Sec	.325 G-s	
MOA	.217 In/Sec	.092 G-s	
MIH	.215 In/Sec	1.759 G-s	
MIP	.237 G-s		

	MIV	.226 In/Sec	.493 G-s	
	MIA	.194 In/Sec	.222 G-s	
ACN28B	- ACN Fan E		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.234 In/Sec	.533 G-s	1775.0 RPM
	MOP	.193 G-s		
	MOV	.242 In/Sec	.686 G-s	
	MOA	.164 In/Sec	.137 G-s	
	MIH	.385 In/Sec	.651 G-s	
	MIP	.251 G-s		
	MIV	.403 In/Sec	.331 G-s	
	MIA	.233 In/Sec	.100 G-s	
ACN28BDP	- Cooling Twr Fan E		(25-May-21)	
		OVERALL LEVEL		
	26	.320 Mils		1775.0 RPM
ACN28ADP	- Cooling Twr Fan W		(25-May-21)	
		OVERALL LEVEL		
	28	.255 Mils		1775.0 RPM
ACN29B	- ACN Cool Twr Pump M		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.046 In/Sec	.962 G-s	1775.0 RPM
	MOP	.283 G-s		
	MOV	.063 In/Sec	.270 G-s	
	MOA	.056 In/Sec	.253 G-s	
	MIH	.042 In/Sec	1.711 G-s	
	MIP	.515 G-s		
	MIV	.049 In/Sec	.373 G-s	
	MIA	.074 In/Sec	.292 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.086 In/Sec	.639 G-s	
	PIP	.369 G-s		
	PIV	.064 In/Sec	.245 G-s	
	PIA	.069 In/Sec	.215 G-s	
	POH	.065 In/Sec	.740 G-s	
	POP	.310 G-s		
	POV	.056 In/Sec	.264 G-s	
	POA	.075 In/Sec	.378 G-s	
ACN29C	- ACN Cool Twr Pump S		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.047 In/Sec	.952 G-s	1775.0 RPM
	MOP	.373 G-s		
	MOV	.076 In/Sec	.186 G-s	
	MOA	.060 In/Sec	.168 G-s	
	MIH	.035 In/Sec	.701 G-s	
	MIP	.361 G-s		
	MIV	.061 In/Sec	.336 G-s	
	MIA	.034 In/Sec	.368 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.093 In/Sec	1.325 G-s	
	PIP	.765 G-s		
	PIV	.104 In/Sec	.744 G-s	
	PIA	.094 In/Sec	.741 G-s	

POH	.085 In/Sec	2.139 G-s	
POP	.484 G-s		
POV	.061 In/Sec	.604 G-s	
POA	.073 In/Sec	.412 G-s	

ACN30 - ACH Scrubber Xfer Pmp (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.073 In/Sec	.408 G-s	1780.0 RPM
MOP	.260 G-s		
MOV	.082 In/Sec	.280 G-s	
MOA	.144 In/Sec	.067 G-s	
MIH	.084 In/Sec	.539 G-s	
MIP	.416 G-s		
MIV	.121 In/Sec	.291 G-s	
MIA	.110 In/Sec	.190 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.068 In/Sec	.150 G-s	
PIP	.109 G-s		
PIV	.071 In/Sec	.105 G-s	
PIA	.048 In/Sec	.062 G-s	
POH	.062 In/Sec	.131 G-s	
POP	.092 G-s		
POV	.063 In/Sec	.113 G-s	
POA	.051 In/Sec	.024 G-s	

MON 32A - ARC Reflux Pmp N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1V	.147 In/Sec	.225 G-s	3520.0 RPM
M1A	.070 In/Sec	.077 G-s	
M2H	.073 In/Sec	.339 G-s	
M2P	.046 G-s		
M2V	.129 In/Sec	.277 G-s	
M2A	.081 In/Sec	.089 G-s	
	OVERALL LEVEL	1K-20KHz	
P1H	.072 In/Sec	.708 G-s	
P1P	.114 G-s		
P1V	.096 In/Sec	.194 G-s	
P1A	.078 In/Sec	.150 G-s	
P2H	.088 In/Sec	.200 G-s	
P2P	.031 G-s		
P2V	.119 In/Sec	.428 G-s	
P2A	.110 In/Sec	.439 G-s	
	OVERALL LEVEL	1K-20kHz	
M1H	.083 In/Sec	.540 G-s	
M1P	.142 G-s		

MON 32B - ARC Reflux Pmp S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1H	.059 In/Sec	.201 G-s	3520.0 RPM
M1P	.049 G-s		
M1V	.078 In/Sec	.199 G-s	
M1A	.053 In/Sec	.067 G-s	
M2H	.041 In/Sec	.308 G-s	
M2P	.065 G-s		
M2V	.072 In/Sec	.125 G-s	
M2A	.049 In/Sec	.044 G-s	
	OVERALL LEVEL	1K-20KHz	

P1H	.215 In/Sec	.583 G-s	
P1P	.024 G-s		
P1V	.140 In/Sec	.330 G-s	
P1A	.136 In/Sec	.230 G-s	
P2H	.154 In/Sec	.467 G-s	
P2P	.052 G-s		
P2V	.167 In/Sec	.463 G-s	
P2A	.135 In/Sec	.126 G-s	

MON36 - Irganox Mix/Feed Pump (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.058 In/Sec	.177 G-s	1750.0 RPM
MOP	.057 G-s		
MOV	.035 In/Sec	.103 G-s	
MOA	.041 In/Sec	.172 G-s	
* MIH	.059 In/Sec	.263 G-s	
* MIP	.185 G-s		
* MIV	.050 In/Sec	.388 G-s	
* MIA	.053 In/Sec	.378 G-s	
IIH	.070 In/Sec		
IIP	.196 G-s		
IIV	.058 In/Sec		
IIA	.048 In/Sec		
	OVERALL LEVEL	1K-20KHz	
POH	.053 In/Sec	.360 G-s	
POP	.209 G-s		
POV	.060 In/Sec	.620 G-s	
POA	.078 In/Sec	.652 G-s	

MON38A - LBS Reflux Pmp S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.040 In/Sec	.369 G-s	3575.0 RPM
MOP	.034 G-s		
MOV	.036 In/Sec	.169 G-s	
MOA	.041 In/Sec	.100 G-s	
MIH	.037 In/Sec	.649 G-s	
MIP	.056 G-s		
MIV	.068 In/Sec	.109 G-s	
MIA	.053 In/Sec	.153 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.067 In/Sec	.856 G-s	
PIP	.114 G-s		
PIV	.070 In/Sec	.522 G-s	
PIA	.072 In/Sec	.438 G-s	

MON38B - LBS Reflux Pmp N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.138 In/Sec	.508 G-s	3575.0 RPM
MOP	.163 G-s		
MOV	.119 In/Sec	.171 G-s	
MOA	.110 In/Sec	.142 G-s	
MIH	.122 In/Sec	.373 G-s	
MIP	.071 G-s		
MIV	.185 In/Sec	.088 G-s	
MIA	.109 In/Sec	.072 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.110 In/Sec	.791 G-s	

PIP	.058 G-s			
PIV	.171 In/Sec	.419 G-s		
PIA	.113 In/Sec	.306 G-s		

MON38CNM - LBS Tails Pump N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.107 In/Sec	.260 G-s	3575.0 RPM
MOP	.031 G-s		
MOV	.117 In/Sec	.143 G-s	
MOA	.103 In/Sec	.074 G-s	
MIH	.101 In/Sec	.400 G-s	
MIP	.063 G-s		
MIV	.114 In/Sec	.137 G-s	
MIA	.088 In/Sec	.107 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.189 In/Sec	1.146 G-s	
PIP	.070 G-s		
PIV	.101 In/Sec	.782 G-s	
PIA	.119 In/Sec	.438 G-s	

MON38CSM - LBS Tails Pump S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.036 In/Sec	.286 G-s	3575.0 RPM
MOP	.019 G-s		
MOV	.045 In/Sec	.069 G-s	
MOA	.056 In/Sec	.088 G-s	
MIH	.046 In/Sec	.591 G-s	
MIP	.064 G-s		
MIV	.055 In/Sec	.149 G-s	
MIA	.058 In/Sec	.091 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.108 In/Sec	.536 G-s	
PIP	.103 G-s		
PIV	.076 In/Sec	.364 G-s	
PIA	.070 In/Sec	.449 G-s	

MON40 - Acetone Pump (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.026 In/Sec	.678 G-s	3575.0 RPM
MOP	.112 G-s		
MOV	.039 In/Sec	.246 G-s	
MOA	.031 In/Sec	.142 G-s	
MIH	.033 In/Sec	.865 G-s	
MIP	.123 G-s		
MIV	.045 In/Sec	.172 G-s	
MIA	.050 In/Sec	.096 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.133 In/Sec	.960 G-s	
PIP	.126 G-s		
PIV	.113 In/Sec	.699 G-s	
PIA	.089 In/Sec	.410 G-s	

MON43A - Amide Reactor Circ Pmp #1N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.103 In/Sec	.246 G-s	1785.0 RPM
MOP	.045 G-s		
MOV	.087 In/Sec	.173 G-s	

MOA	.127 In/Sec	.054 G-s	
MIH	.097 In/Sec	.582 G-s	
MIP	.128 G-s		
MIV	.120 In/Sec	.319 G-s	
MIA	.132 In/Sec	.322 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.238 In/Sec	.485 G-s	
PIP	.368 G-s		
PIV	.256 In/Sec	.141 G-s	
PIA	.195 In/Sec	.098 G-s	

MON43B - Amide Reactor Circ Pmp #2S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.141 In/Sec	.158 G-s	1785.0 RPM
MOP	.022 G-s		
MOV	.119 In/Sec	.061 G-s	
MOA	.117 In/Sec	.048 G-s	
MIH	.085 In/Sec	.066 G-s	
MIP	.0069 G-s		
MIV	.095 In/Sec	.025 G-s	
MIA	.090 In/Sec	.018 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.264 In/Sec	.271 G-s	
PIP	.144 G-s		
PIV	.189 In/Sec	.197 G-s	
PIA	.183 In/Sec	.103 G-s	

MON45WM - ACH Ref Brine Pump W (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.031 In/Sec	1.732 G-s	1750.0 RPM
MOP	.637 G-s		
MOV	.084 In/Sec	.460 G-s	
MOA	.067 In/Sec	.308 G-s	
MIH	.040 In/Sec	1.540 G-s	
MIP	.904 G-s		
MIV	.083 In/Sec	.530 G-s	
MIA	.070 In/Sec	.353 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.122 In/Sec	.731 G-s	
PIP	.456 G-s		
PIV	.102 In/Sec	.611 G-s	
PIA	.067 In/Sec	.252 G-s	
POH	.088 In/Sec	1.433 G-s	
POP	.746 G-s		
POV	.087 In/Sec	.520 G-s	
POA	.068 In/Sec	.330 G-s	

MON 51 - WCM Tails Swing/Spare Pmp (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1H	.072 In/Sec	.683 G-s	3530.0 RPM
M1P	.311 G-s		
M1V	.069 In/Sec	.214 G-s	
M1A	.083 In/Sec	.105 G-s	
M2H	.072 In/Sec	1.090 G-s	
M2P	.454 G-s		
M2V	.074 In/Sec	.183 G-s	
M2A	.104 In/Sec	.109 G-s	

	OVERALL LEVEL	1K-20KHz	
P1H	.060 In/Sec	.215 G-s	
P1P	.026 G-s		
P1V	.119 In/Sec	.193 G-s	
P1A	.140 In/Sec	.129 G-s	
P2H	.075 In/Sec	.229 G-s	
P2P	.040 G-s		
P2V	.083 In/Sec	.146 G-s	
P2A	.135 In/Sec	.053 G-s	

MON55SM - HUT Pump S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.050 In/Sec	2.955 G-s	1775.0 RPM
MOP	2.075 G-s		
MOV	.059 In/Sec	.749 G-s	
MOA	.063 In/Sec	.304 G-s	
MIH	.044 In/Sec	2.542 G-s	
MIP	1.116 G-s		
MIV	.058 In/Sec	.522 G-s	
MIA	.050 In/Sec	.233 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.191 In/Sec	.555 G-s	
PIP	.330 G-s		
PIV	.116 In/Sec	.303 G-s	
PIA	.118 In/Sec	.273 G-s	
POH	.090 In/Sec	.940 G-s	
POP	.419 G-s		
POV	.109 In/Sec	.308 G-s	
POA	.108 In/Sec	.208 G-s	

MON56 - Inhibited Mon Xfer Pump E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.060 In/Sec	.355 G-s	3575.0 RPM
MOP	.026 G-s		
MOV	.050 In/Sec	.064 G-s	
MOA	.033 In/Sec	.128 G-s	
MIH	.070 In/Sec	.398 G-s	
MIP	.101 G-s		
MIV	.038 In/Sec	.098 G-s	
MIA	.035 In/Sec	.100 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.064 In/Sec	.739 G-s	
PIP	.175 G-s		
PIV	.045 In/Sec	.367 G-s	
PIA	.067 In/Sec	.306 G-s	

MON 63E - LBS Side Stream Pump E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1H	.087 In/Sec	.807 G-s	3515.0 RPM
M1P	.024 G-s		
M1V	.111 In/Sec	.303 G-s	
M1A	.093 In/Sec	.206 G-s	
M2H	.064 In/Sec	.765 G-s	
M2P	.056 G-s		
M2V	.180 In/Sec	.276 G-s	
M2A	.086 In/Sec	.161 G-s	
	OVERALL LEVEL	1K-20KHz	

P1H	.229 In/Sec	.575 G-s	
P1P	.047 G-s		
P1V	.114 In/Sec	.318 G-s	
P1A	.164 In/Sec	.329 G-s	
P2H	.189 In/Sec	.525 G-s	
P2P	.033 G-s		
P2V	.251 In/Sec	.328 G-s	
P2A	.211 In/Sec	.223 G-s	

MON 63W - LBS Side Stream Pump W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1H	.101 In/Sec	1.864 G-s	3515.0 RPM
M1P	.033 G-s		
M1V	.091 In/Sec	.689 G-s	
M1A	.090 In/Sec	.745 G-s	
M2H	.109 In/Sec	2.794 G-s	
M2P	.079 G-s		
M2V	.135 In/Sec	.959 G-s	
M2A	.118 In/Sec	.454 G-s	
	OVERALL LEVEL	1K-20KHz	
P1H	.252 In/Sec	.764 G-s	
P1P	.205 G-s		
P1V	.126 In/Sec	.965 G-s	
P1A	.132 In/Sec	.614 G-s	

MON65 - Amide Reactor Circ Primary (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.217 In/Sec	.392 G-s	1180.0 RPM
MOP	.215 G-s		
MOV	.385 In/Sec	.166 G-s	
MOA	.105 In/Sec	.104 G-s	
MIH	.190 In/Sec	.613 G-s	
MIP	.328 G-s		
MIV	.345 In/Sec	.119 G-s	
MIA	.117 In/Sec	.141 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.133 In/Sec	.144 G-s	
PIP	.100 G-s		
PIV	.151 In/Sec	.080 G-s	
PIA	.078 In/Sec	.071 G-s	

MON67NM - PTZ Xfer Pump N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.085 In/Sec	.265 G-s	3575.0 RPM
MOP	.038 G-s		
MOV	.062 In/Sec	.097 G-s	
MOA	.038 In/Sec	.114 G-s	
MIH	.078 In/Sec	.577 G-s	
MIP	.051 G-s		
MIV	.052 In/Sec	.238 G-s	
MIA	.042 In/Sec	.224 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.052 In/Sec	.606 G-s	
PIP	.104 G-s		
PIV	.047 In/Sec	.325 G-s	
PIA	.043 In/Sec	.215 G-s	

MON68A - #1 Reactor H2O Circ Pump (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.062 In/Sec	.341 G-s	1180.0 RPM
MOP	.099 G-s		
MOV	.043 In/Sec	.246 G-s	
MOA	.073 In/Sec	.057 G-s	
MIH	.062 In/Sec	.202 G-s	
MIP	.083 G-s		
MIV	.057 In/Sec	.052 G-s	
MIA	.060 In/Sec	.021 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.042 In/Sec	.195 G-s	
PIP	.106 G-s		
PIV	.041 In/Sec	.326 G-s	
PIA	.054 In/Sec	.117 G-s	

MON73W - Skim Tub Xfer Pmp W (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.047 In/Sec	.276 G-s	1100.0 RPM
MOP	.111 G-s		
MOV	.056 In/Sec	.353 G-s	
MOA	.086 In/Sec	.121 G-s	
MIH	.048 In/Sec	.418 G-s	
MIP	.214 G-s		
MIV	.044 In/Sec	.104 G-s	
MIA	.068 In/Sec	.276 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.047 In/Sec	.123 G-s	
PIP	.073 G-s		
PIV	.034 In/Sec	.066 G-s	
PIA	.038 In/Sec	.068 G-s	

MON81 - Uninhibited Mon Tank Pump S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.051 In/Sec	.212 G-s	3575.0 RPM
MOP	.015 G-s		
MOV	.039 In/Sec	.095 G-s	
MOA	.041 In/Sec	.044 G-s	
MIH	.049 In/Sec	.238 G-s	
MIP	.045 G-s		
MIV	.031 In/Sec	.072 G-s	
MIA	.034 In/Sec	.052 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.101 In/Sec	.873 G-s	
PIP	.123 G-s		
PIV	.099 In/Sec	.451 G-s	
PIA	.062 In/Sec	.225 G-s	
POH	.065 In/Sec	.565 G-s	
POP	.040 G-s		
POV	.097 In/Sec	.243 G-s	
POA	.065 In/Sec	.152 G-s	

MON80 - Uninhibited Mon Tank Pump N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.060 In/Sec	.129 G-s	3575.0 RPM
MOP	.013 G-s		
MOV	.051 In/Sec	.300 G-s	

MOA	.131 In/Sec	.121 G-s	
MIH	.142 In/Sec	.372 G-s	
MIP	.0038 G-s		
MIV	.135 In/Sec	.181 G-s	
MIA	.134 In/Sec	.046 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.180 In/Sec	.134 G-s	
PIP	.018 G-s		
PIV	.043 In/Sec	.100 G-s	
PIA	.087 In/Sec	.040 G-s	
POH	.131 In/Sec	.092 G-s	
POP	.0086 G-s		
POV	.075 In/Sec	.054 G-s	
POA	.139 In/Sec	.026 G-s	

MON85E - Water Treatment Pmp E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.139 In/Sec	.300 G-s	1775.0 RPM
MOP	.109 G-s		
MOV	.117 In/Sec	.158 G-s	
MOA	.382 In/Sec	.044 G-s	
MIH	.131 In/Sec	.456 G-s	
MIP	.223 G-s		
MIV	.141 In/Sec	.236 G-s	
MIA	.137 In/Sec	.178 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.398 In/Sec	.632 G-s	
PIP	.395 G-s		
PIV	.166 In/Sec	.465 G-s	
PIA	.226 In/Sec	.307 G-s	
POH	.199 In/Sec	.466 G-s	
POP	.289 G-s		
POV	.212 In/Sec	.356 G-s	
POA	.090 In/Sec	.232 G-s	

MON85W - Water Treatment Pmp W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.077 In/Sec	.436 G-s	1775.0 RPM
MOP	.127 G-s		
MOV	.120 In/Sec	.162 G-s	
MOA	.098 In/Sec	.060 G-s	
MIH	.052 In/Sec	.690 G-s	
MIP	.404 G-s		
MIV	.106 In/Sec	.224 G-s	
MIA	.075 In/Sec	.331 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.096 In/Sec	.924 G-s	
PIP	.666 G-s		
PIV	.139 In/Sec	.305 G-s	
PIA	.089 In/Sec	.275 G-s	
POH	.074 In/Sec	.962 G-s	
POP	.645 G-s		
POV	.121 In/Sec	.512 G-s	
POA	.062 In/Sec	.116 G-s	

MON118 - Tempered H20 Pmp (24-May-21)

	OVERALL LEVEL	1K-20kHz

MOH	.046 In/Sec	.263 G-s	865.0 RPM
MOP	.160 G-s		
MOV	.078 In/Sec	.104 G-s	
MOA	.045 In/Sec	.039 G-s	
MIH	.061 In/Sec	.169 G-s	
MIP	.087 G-s		
MIV	.041 In/Sec	.194 G-s	
MIA	.039 In/Sec	.067 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.037 In/Sec	.046 G-s	
PIP	.029 G-s		
PIV	.027 In/Sec	.042 G-s	
PIA	.031 In/Sec	.031 G-s	
POH	.032 In/Sec	.045 G-s	
POP	.032 G-s		
POV	.022 In/Sec	.028 G-s	
POA	.028 In/Sec	.035 G-s	

MON132 - Decanter Feed Pmp Spare (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.111 In/Sec	.180 G-s	3575.0 RPM
MOP	.016 G-s		
MOV	.108 In/Sec	.115 G-s	
MOA	.275 In/Sec	.067 G-s	
MIH	.087 In/Sec	.218 G-s	
MIP	.032 G-s		
MIV	.086 In/Sec	.083 G-s	
MIA	.260 In/Sec	.058 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.200 In/Sec	.406 G-s	
PIP	.084 G-s		
PIV	.451 In/Sec	.233 G-s	
PIA	.076 In/Sec	.166 G-s	

MON168 - A/B Booster Pump E (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.089 In/Sec	.472 G-s	1120.0 RPM
MOP	.216 G-s		
MOV	.031 In/Sec	.051 G-s	
MOA	.044 In/Sec	.116 G-s	
MIH	.073 In/Sec	.169 G-s	
MIP	.089 G-s		
MIV	.038 In/Sec	.079 G-s	
MIA	.043 In/Sec	.075 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.068 In/Sec	.123 G-s	
PIP	.074 G-s		
PIV	.034 In/Sec	.118 G-s	
PIA	.042 In/Sec	.082 G-s	

SAR03 - Turb Comp Main Blower (25-May-21)

	OVERALL LEVEL	
5	.258 Mils	4841.0 RPM
6	.250 Mils	
7	.187 Mils	
8	.272 Mils	
9	.386 Mils	

10	.360 Mils		
11	.495 Mils		
12	.578 Mils		
15	.017 Mils		
16	.020 Mils		

SAR10 - Process Air Fan E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.247 In/Sec	.322 G-s	1775.0 RPM
MOP	.178 G-s		
MOV	.052 In/Sec	.320 G-s	
MOA	.123 In/Sec	.168 G-s	
MIH	.164 In/Sec	1.328 G-s	
MIP	.878 G-s		
MIV	.108 In/Sec	.237 G-s	
MIA	.108 In/Sec	.219 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.293 In/Sec	3.315 G-s	
FIP	1.833 G-s		
FIV	.161 In/Sec	1.638 G-s	
FIA	.161 In/Sec	.933 G-s	
FOH	.249 In/Sec	3.850 G-s	
FOP	2.289 G-s		
FOV	.135 In/Sec	.971 G-s	
FOA	.168 In/Sec	.569 G-s	

SAR11 - Recycle Fan W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.032 In/Sec	.228 G-s	1775.0 RPM
MOP	.080 G-s		
MOV	.048 In/Sec	.092 G-s	
MOA	.045 In/Sec	.061 G-s	
MIH	.026 In/Sec	.669 G-s	
MIP	.414 G-s		
MIV	.053 In/Sec	.406 G-s	
MIA	.043 In/Sec	.314 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.015 In/Sec	.011 G-s	
FIP	.0055 G-s		
FIV	.015 In/Sec	.0062 G-s	
FIA	.015 In/Sec	.0031 G-s	
FOH	.017 In/Sec	.023 G-s	
FOP	.013 G-s		
FOV	.011 In/Sec	.018 G-s	
FOA	.019 In/Sec	.0044 G-s	

SAR12 - Recycle Fan E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.035 In/Sec	.098 G-s	1775.0 RPM
MOP	.034 G-s		
MOV	.048 In/Sec	.154 G-s	
MOA	.045 In/Sec	.085 G-s	
MIH	.043 In/Sec	1.596 G-s	
MIP	1.024 G-s		
MIV	.055 In/Sec	.651 G-s	
MIA	.040 In/Sec	.237 G-s	
	OVERALL LEVEL	1K-20KHz	

FIH	.023 In/Sec	.088 G-s	
FIP	.039 G-s		
FIV	.027 In/Sec	.219 G-s	
FIA	.025 In/Sec	.110 G-s	
FOH	.032 In/Sec	.205 G-s	
FOP	.055 G-s		
FOV	.026 In/Sec	.106 G-s	
FOA	.030 In/Sec	.076 G-s	

SAR13 - Combustion Air Fan E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.078 In/Sec	.675 G-s	1140.0 RPM
MOP	.384 G-s		
MOV	.063 In/Sec	.320 G-s	
MOA	.090 In/Sec	.225 G-s	
MIH	.088 In/Sec	.154 G-s	
MIP	.093 G-s		
MIV	.088 In/Sec	.175 G-s	
MIA	.133 In/Sec	.104 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.114 In/Sec	.229 G-s	
FIP	.125 G-s		
FIV	.119 In/Sec	.315 G-s	
FIA	.075 In/Sec	.287 G-s	
FOH	.131 In/Sec	.294 G-s	
FOP	.127 G-s		
FOV	.111 In/Sec	.115 G-s	
FOA	.141 In/Sec	.057 G-s	

SAR14 - Combustion Air Fan W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.100 In/Sec	.682 G-s	1140.0 RPM
MOP	.218 G-s		
MOV	.060 In/Sec	.339 G-s	
MOA	.052 In/Sec	.177 G-s	
MIH	.096 In/Sec	1.215 G-s	
MIP	.519 G-s		
MIV	.083 In/Sec	.868 G-s	
MIA	.064 In/Sec	.739 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.109 In/Sec	1.233 G-s	
FIP	.225 G-s		
FIV	.053 In/Sec	.588 G-s	
FIA	.080 In/Sec	.164 G-s	
FOH	.130 In/Sec	.674 G-s	
FOP	.475 G-s		
FOV	.095 In/Sec	.599 G-s	
FOA	.084 In/Sec	.226 G-s	

SAR15 - Process Air Fan W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.069 In/Sec	.423 G-s	1180.0 RPM
MOP	.175 G-s		
MOV	.051 In/Sec	.340 G-s	
MOA	.046 In/Sec	.219 G-s	
MIH	.060 In/Sec	1.239 G-s	
MIP	.347 G-s		

MIV	.053 In/Sec	.294 G-s	
MIA	.051 In/Sec	.357 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.061 In/Sec	.450 G-s	
FIP	.267 G-s		
FIV	.038 In/Sec	.671 G-s	
FIA	.051 In/Sec	.343 G-s	
FOH	.073 In/Sec	1.793 G-s	
FOP	.949 G-s		
FOV	.071 In/Sec	.981 G-s	
FOA	.041 In/Sec	.443 G-s	

SAR37B - Interpass Twr Circ Pump S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.078 In/Sec	1.203 G-s	1775.0 RPM
MOP	.594 G-s		
MOV	.096 In/Sec	.318 G-s	
MOA	.044 In/Sec	.396 G-s	
MIH	.051 In/Sec	1.017 G-s	
MIP	.438 G-s		
MIV	.062 In/Sec	.429 G-s	
MIA	.047 In/Sec	.281 G-s	

SAR38 - Drying Tower Pumpout (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.109 In/Sec	.349 G-s	3575.0 RPM
MOP	.153 G-s		
MOV	.093 In/Sec	.135 G-s	
MOA	.123 In/Sec	.081 G-s	
MIH	.044 In/Sec	.369 G-s	
MIP	.151 G-s		
MIV	.164 In/Sec	.101 G-s	
MIA	.145 In/Sec	.084 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.364 In/Sec	.207 G-s	
PIP	.016 G-s		
PIV	.116 In/Sec	.212 G-s	
PIA	.252 In/Sec	.126 G-s	

SAR39A - Boiler Feed H2O Pmp NW (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.041 In/Sec	.716 G-s	3575.0 RPM
MOP	.0083 G-s		
MOV	.054 In/Sec	.127 G-s	
MOA	.085 In/Sec	.077 G-s	
MIH	.056 In/Sec	.398 G-s	
MIP	.035 G-s		
MIV	.060 In/Sec	.118 G-s	
MIA	.081 In/Sec	.136 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.109 In/Sec	.825 G-s	
PIP	.205 G-s		
PIV	.058 In/Sec	.289 G-s	
PIA	.066 In/Sec	.238 G-s	
POH	.164 In/Sec	.817 G-s	
POP	.246 G-s		
POV	.079 In/Sec	.399 G-s	

	POA	.143 In/Sec	.385 G-s	
SAR39C	- Boiler Feed H2O Pmp NE		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.203 In/Sec	1.030 G-s	3575.0 RPM
	MOP	.033 G-s		
	MOV	.067 In/Sec	.559 G-s	
	MOA	.065 In/Sec	1.003 G-s	
	MIH	.125 In/Sec	.585 G-s	
	MIP	.057 G-s		
	MIV	.080 In/Sec	.507 G-s	
	MIA	.055 In/Sec	.617 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.107 In/Sec	.388 G-s	
	PIP	.026 G-s		
	PIV	.141 In/Sec	.203 G-s	
	PIA	.050 In/Sec	.140 G-s	
	POH	.155 In/Sec	1.184 G-s	
	POP	.132 G-s		
	POV	.078 In/Sec	.412 G-s	
	POA	.043 In/Sec	.532 G-s	
SAR50A	- Drying Tower Circ Pump W		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.217 In/Sec	.459 G-s	1775.0 RPM
	MOP	.101 G-s		
	MOV	.117 In/Sec	.329 G-s	
	MOA	.233 In/Sec	.121 G-s	
	MIH	.143 In/Sec	.763 G-s	
	MIP	.116 G-s		
	MIV	.126 In/Sec	.609 G-s	
	MIA	.133 In/Sec	.166 G-s	
		OVERALL LEVEL	1K-20KHz	
*	PIV	.129 In/Sec	.0021 G-s	
		OVERALL LEVEL	1K-20kHz	
*	PIA	.783 In/Sec	.0024 G-s	
SAR50B	- Drying Tower Circ Pump E		(30-Mar-21)	
		OVERALL LEVEL	1K-20KHz	
*	POV	.108 In/Sec	.283 G-s	1775.0 RPM
*	POA	.192 In/Sec	.208 G-s	
SAR55A	- Neutralization Pump N		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.050 In/Sec	.595 G-s	3575.0 RPM
	MOP	.235 G-s		
	MOV	.062 In/Sec	.196 G-s	
	MOA	.088 In/Sec	.179 G-s	
	MIH	.125 In/Sec	3.523 G-s	
	MIP	2.204 G-s		
	MIV	.061 In/Sec	.471 G-s	
	MIA	.093 In/Sec	.428 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.063 In/Sec	.402 G-s	
	PIP	.073 G-s		
	PIV	.070 In/Sec	.257 G-s	
	PIA	.044 In/Sec	.247 G-s	

SAR55B	- Neutralization Pump S		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.051 In/Sec	1.020 G-s	3575.0 RPM
	MOP	.157 G-s		
	MOV	.298 In/Sec	.233 G-s	
	MOA	.164 In/Sec	.455 G-s	
	MIH	.173 In/Sec	1.535 G-s	
	MIP	.148 G-s		
	MIV	.167 In/Sec	.499 G-s	
	MIA	.159 In/Sec	.247 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.164 In/Sec	.344 G-s	
	PIP	.041 G-s		
	PIV	.105 In/Sec	.188 G-s	
	PIA	.122 In/Sec	.189 G-s	
SAR59A	- Scrub Twr Circ Pmp W		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.030 In/Sec	.342 G-s	1775.0 RPM
	MOP	.122 G-s		
	MOV	.052 In/Sec	.082 G-s	
	MOA	.053 In/Sec	.124 G-s	
	MIH	.031 In/Sec	.491 G-s	
	MIP	.270 G-s		
	MIV	.034 In/Sec	.140 G-s	
	MIA	.034 In/Sec	.182 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.131 In/Sec	.525 G-s	
	PIP	.310 G-s		
	PIV	.086 In/Sec	.281 G-s	
	PIA	.092 In/Sec	.166 G-s	
	POH	.094 In/Sec	.304 G-s	
	POP	.184 G-s		
	POV	.111 In/Sec	.170 G-s	
	POA	.096 In/Sec	.083 G-s	
SAR59B	- Scrub Twr Circ Pmp M		(24-May-21)	
		OVERALL LEVEL	1K-20kHz	
	MOH	.048 In/Sec	.521 G-s	1775.0 RPM
	MOP	.175 G-s		
	MOV	.053 In/Sec	.218 G-s	
	MOA	.054 In/Sec	.091 G-s	
	MIH	.054 In/Sec	1.108 G-s	
	MIP	.774 G-s		
	MIV	.057 In/Sec	.521 G-s	
	MIA	.045 In/Sec	.434 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.258 In/Sec	.548 G-s	
	PIP	.360 G-s		
	PIV	.068 In/Sec	.527 G-s	
	PIA	.088 In/Sec	.267 G-s	
	POH	.208 In/Sec	.468 G-s	
	POP	.224 G-s		
	POV	.096 In/Sec	.238 G-s	
	POA	.092 In/Sec	.204 G-s	

SAR59C	- Scrub Twr Circ Pmp E	(24-May-21)		
		OVERALL LEVEL	1K-20kHz	
	MOH	.021 In/Sec	.166 G-s	1775.0 RPM
	MOP	.075 G-s		
	MOV	.042 In/Sec	.046 G-s	
	MOA	.041 In/Sec	.044 G-s	
	MIH	.028 In/Sec	.560 G-s	
	MIP	.249 G-s		
	MIV	.027 In/Sec	.179 G-s	
	MIA	.022 In/Sec	.106 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.113 In/Sec	.493 G-s	
	PIP	.267 G-s		
	PIV	.059 In/Sec	.400 G-s	
	PIA	.056 In/Sec	.201 G-s	
	POH	.136 In/Sec	.258 G-s	
	POP	.122 G-s		
	POV	.082 In/Sec	.104 G-s	
	POA	.094 In/Sec	.071 G-s	

SAR54C	- Weak Acid Xfer Pump S	(24-May-21)		
		OVERALL LEVEL	1K-20kHz	
	MOH	.140 In/Sec	.163 G-s	3575.0 RPM
	MOP	.022 G-s		
	MOV	.042 In/Sec	.057 G-s	
	MOA	.073 In/Sec	.045 G-s	
	MIH	.094 In/Sec	.179 G-s	
	MIP	.041 G-s		
	MIV	.147 In/Sec	.106 G-s	
	MIA	.049 In/Sec	.043 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.135 In/Sec	.473 G-s	
	PIP	.015 G-s		
	PIV	.060 In/Sec	.222 G-s	
	PIA	.061 In/Sec	.157 G-s	

SAR54B	- Weak Acid Xfer Pump N	(24-May-21)		
		OVERALL LEVEL	1K-20kHz	
	MOH	.152 In/Sec	.245 G-s	3575.0 RPM
	MOP	.070 G-s		
	MOV	.112 In/Sec	.215 G-s	
	MOA	.078 In/Sec	.119 G-s	
	MIH	.103 In/Sec	.339 G-s	
	MIP	.063 G-s		
	MIV	.110 In/Sec	.134 G-s	
	MIA	.091 In/Sec	.057 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	.163 In/Sec	.753 G-s	
	PIP	.175 G-s		
	PIV	.088 In/Sec	.903 G-s	
	PIA	.109 In/Sec	.683 G-s	

SAR 56A	- N Oleum Storage Tank Feed	(24-May-21)		
		OVERALL LEVEL	1K-20kHz	
	M1H	.071 In/Sec	.095 G-s	1775.0 RPM
	M1P	.0086 G-s		
	M1V	.056 In/Sec	.037 G-s	

M1A	.068 In/Sec	.031 G-s	
M2H	.073 In/Sec	.304 G-s	
M2P	.088 G-s		
M2V	.044 In/Sec	.104 G-s	
M2A	.045 In/Sec	.047 G-s	
	OVERALL LEVEL	1K-20KHz	
P1H	.060 In/Sec	.099 G-s	
P1P	.062 G-s		
P1V	.042 In/Sec	.055 G-s	
P1A	.045 In/Sec	.044 G-s	
P2H	.046 In/Sec	.078 G-s	
P2P	.042 G-s		
P2V	.046 In/Sec	.057 G-s	
P2A	.046 In/Sec	.031 G-s	

SAR 56B - M Oleum Storage Tank Feed (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1H	.149 In/Sec	.245 G-s	1775.0 RPM
M1P	.115 G-s		
M1V	.160 In/Sec	.065 G-s	
M1A	.074 In/Sec	.089 G-s	
M2H	.108 In/Sec	.365 G-s	
M2P	.076 G-s		
M2V	.102 In/Sec	.067 G-s	
M2A	.121 In/Sec	.064 G-s	
	OVERALL LEVEL	1K-20KHz	
P1H	.136 In/Sec	.059 G-s	
P1P	.028 G-s		
P1V	.068 In/Sec	.038 G-s	
P1A	.088 In/Sec	.035 G-s	
P2H	.081 In/Sec	.111 G-s	
P2P	.057 G-s		
P2V	.053 In/Sec	.041 G-s	
P2A	.065 In/Sec	.023 G-s	

SAR 56C - S Oleum Storage Tank Feed (24-May-21)

	OVERALL LEVEL	1K-20kHz	
M1H	.020 In/Sec	.212 G-s	1775.0 RPM
M1P	.096 G-s		
M1V	.034 In/Sec	.179 G-s	
M1A	.026 In/Sec	.059 G-s	
M2H	.091 In/Sec	.244 G-s	
M2P	.249 G-s		
M2V	.046 In/Sec	.211 G-s	
M2A	.061 In/Sec	.119 G-s	
	OVERALL LEVEL	1K-20KHz	
P1H	.197 In/Sec	.080 G-s	
P1P	.042 G-s		
P1V	.062 In/Sec	.059 G-s	
P1A	.043 In/Sec	.020 G-s	
P2H	.039 In/Sec	.164 G-s	
P2P	.100 G-s		
P2V	.038 In/Sec	.117 G-s	
P2A	.032 In/Sec	.069 G-s	

SAR57B - Oleum Twr Circ Pump E (24-May-21)

	OVERALL LEVEL	1K-20kHz

MOH	.066 In/Sec	.343 G-s	1775.0 RPM
MOP	.096 G-s		
MOV	.070 In/Sec	.169 G-s	
MOA	.076 In/Sec	.087 G-s	
MIH	.048 In/Sec	.494 G-s	
MIP	.252 G-s		
MIV	.055 In/Sec	.156 G-s	
MIA	.064 In/Sec	.089 G-s	

SAR61NM - Spent Acid Circ Pmp N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MIH	.012 In/Sec	.446 G-s	1775.0 RPM
MIP	.249 G-s		
MIV	.023 In/Sec	.161 G-s	
MIA	.049 In/Sec	.115 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.016 In/Sec	.131 G-s	
PIP	.082 G-s		
PIV	.018 In/Sec	.104 G-s	
PIA	.021 In/Sec	.152 G-s	

SAR63EM - Spent Acid Feed Pmp E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.041 In/Sec	.303 G-s	3575.0 RPM
MOP	.129 G-s		
MOV	.053 In/Sec	.127 G-s	
MOA	.080 In/Sec	.053 G-s	
MIH	.048 In/Sec	.440 G-s	
MIP	.183 G-s		
MIV	.050 In/Sec	.103 G-s	
MIA	.088 In/Sec	.059 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.076 In/Sec	.832 G-s	
PIP	.033 G-s		
PIV	.084 In/Sec	.534 G-s	
PIA	.070 In/Sec	.463 G-s	
POH	.057 In/Sec	.924 G-s	
POP	.068 G-s		
POV	.076 In/Sec	.691 G-s	
POA	.069 In/Sec	.326 G-s	

SAR63WM - Spent Acid Feed Pmp W (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.049 In/Sec	.170 G-s	3575.0 RPM
MOP	.012 G-s		
MOV	.043 In/Sec	.041 G-s	
MOA	.039 In/Sec	.061 G-s	
MIH	.063 In/Sec	.401 G-s	
MIP	.061 G-s		
MIV	.029 In/Sec	.092 G-s	
MIA	.028 In/Sec	.068 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.069 In/Sec	.466 G-s	
PIP	.076 G-s		
PIV	.072 In/Sec	.229 G-s	
PIA	.060 In/Sec	.183 G-s	

SAR66A - Vertical Cool Twr Pump #1 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.629 In/Sec	.168 G-s	1195.0 RPM
MOP	.078 G-s		
MOV	.282 In/Sec	.114 G-s	
MOA	.496 In/Sec	.064 G-s	
MIH	.249 In/Sec	.137 G-s	
MIP	.112 G-s		
MIV	.249 In/Sec	.109 G-s	
MIA	.287 In/Sec	.063 G-s	

SAR66B - Vertical Cool Twr Pump #2 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.273 In/Sec	.120 G-s	1195.0 RPM
MOP	.061 G-s		
MOV	.148 In/Sec	.168 G-s	
MOA	.459 In/Sec	.071 G-s	
MIH	.133 In/Sec	.188 G-s	
MIP	.098 G-s		
MIV	.182 In/Sec	.103 G-s	
MIA	.183 In/Sec	.116 G-s	

SAR66C - Vertical Cool Twr Pump #3 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.394 In/Sec	.084 G-s	1195.0 RPM
MOP	.043 G-s		
MOV	.083 In/Sec	.051 G-s	
MOA	.268 In/Sec	.050 G-s	
MIH	.172 In/Sec	.069 G-s	
MIP	.037 G-s		
MIV	.120 In/Sec	.059 G-s	
MIA	.084 In/Sec	.042 G-s	

SAR66D - Vertical Cool Twr Pump #4 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.156 In/Sec	.092 G-s	1195.0 RPM
MOP	.051 G-s		
MOV	.075 In/Sec	.065 G-s	
MOA	.146 In/Sec	.046 G-s	
MIH	.071 In/Sec	.058 G-s	
MIP	.034 G-s		
MIV	.081 In/Sec	.042 G-s	
MIA	.058 In/Sec	.031 G-s	

SAR78A - Cooling Tower Fan #1 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.181 In/Sec	.327 G-s	1775.0 RPM
MOP	.121 G-s		
MOV	.337 In/Sec	.385 G-s	
MOA	.377 In/Sec	.230 G-s	
MIH	.130 In/Sec	.408 G-s	
MIP	.186 G-s		
MIV	.330 In/Sec	.318 G-s	
MIA	.390 In/Sec	.200 G-s	

SAR78B - Cooling Tower Fan #2 (24-May-21)

	OVERALL LEVEL	1K-20kHz

MOH	.065 In/Sec	.481 G-s	1775.0 RPM
MOP	.156 G-s		
MOV	.059 In/Sec	.150 G-s	
MOA	.166 In/Sec	.147 G-s	
MIH	.133 In/Sec	1.880 G-s	
MIP	.110 G-s		
MIV	.148 In/Sec	.930 G-s	
MIA	.205 In/Sec	.122 G-s	

SAR78C - Cooling Tower Fan #3 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.092 In/Sec	.801 G-s	1775.0 RPM
MOP	.247 G-s		
MOV	.087 In/Sec	.398 G-s	
MOA	.135 In/Sec	.161 G-s	
MIH	.088 In/Sec	1.336 G-s	
MIP	.364 G-s		
MIV	.157 In/Sec	.413 G-s	
MIA	.201 In/Sec	.302 G-s	

SAR78D - Cooling Tower Fan #4 (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.209 In/Sec	.457 G-s	1775.0 RPM
MOP	.314 G-s		
MOV	.328 In/Sec	.189 G-s	
MOA	.620 In/Sec	.163 G-s	
MIH	.219 In/Sec	.346 G-s	
MIP	.167 G-s		
MIV	.696 In/Sec	.251 G-s	
MIA	.632 In/Sec	.171 G-s	

SAR127 - Final Twr Pumpout Drain Pmp (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.018 In/Sec	.396 G-s	1775.0 RPM
MOP	.163 G-s		
MOV	.029 In/Sec	.342 G-s	
MOA	.027 In/Sec	.203 G-s	
MIH	.019 In/Sec	.282 G-s	
MIP	.125 G-s		
MIV	.023 In/Sec	.158 G-s	
MIA	.024 In/Sec	.165 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.043 In/Sec	.032 G-s	
PIP	.016 G-s		
PIV	.032 In/Sec	.061 G-s	
PIA	.033 In/Sec	.050 G-s	

SAR128 - Oleum Fume Scrub Blwr (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MIH	.044 In/Sec	.302 G-s	3575.0 RPM
MIP	.030 G-s		
MIV	.050 In/Sec	.094 G-s	
MIA	.039 In/Sec	.077 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.055 In/Sec	.345 G-s	
FIP	.030 G-s		
FIV	.045 In/Sec	.372 G-s	

FIA	.063 In/Sec	.128 G-s	
FOH	.075 In/Sec	.665 G-s	
FOP	.061 G-s		
FOV	.077 In/Sec	.315 G-s	
FOA	.087 In/Sec	.168 G-s	

SAR135 - Spent Acid Circ Pmp E (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.024 In/Sec	.190 G-s	1775.0 RPM
MOP	.057 G-s		
MOV	.043 In/Sec	.102 G-s	
MOA	.068 In/Sec	.029 G-s	
MIH	.038 In/Sec	.147 G-s	
MIP	.072 G-s		
MIV	.046 In/Sec	.049 G-s	
MIA	.052 In/Sec	.025 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.026 In/Sec	.128 G-s	
PIP	.089 G-s		
PIV	.024 In/Sec	.085 G-s	
PIA	.022 In/Sec	.069 G-s	
POH	.021 In/Sec	.107 G-s	
POP	.029 G-s		
POV	.027 In/Sec	.109 G-s	
POA	.025 In/Sec	.060 G-s	

SAR137A - Contain Pit Pump N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.086 In/Sec	.277 G-s	1775.0 RPM
MOP	.133 G-s		
MOV	.394 In/Sec	.134 G-s	
MOA	.095 In/Sec	.152 G-s	

SAR156 - Spent Acid Feed Booster N (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MIH	.031 In/Sec	.208 G-s	1100.0 RPM
MIP	.116 G-s		
MIV	.032 In/Sec	.101 G-s	
MIA	.036 In/Sec	.091 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.169 In/Sec	.068 G-s	
PIP	.050 G-s		
PIV	.045 In/Sec	.056 G-s	
PIA	.095 In/Sec	.056 G-s	

SAR161A - N SAR Cool Twr Fan W (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.110 In/Sec	.627 G-s	1775.0 RPM
MOP	.278 G-s		
MOV	.240 In/Sec	.245 G-s	
MOA	.303 In/Sec	.274 G-s	
MIH	.201 In/Sec	.841 G-s	
MIP	.490 G-s		
MIV	.161 In/Sec	.642 G-s	
MIA	.312 In/Sec	.287 G-s	

SAR161C - N SAR Cool Twr Fan E (25-May-21) Bad Data

	OVERALL LEVEL	1K-20kHz	
MOH	1.076 In/Sec	.331 G-s	1775.0 RPM
MOP	.100 G-s		
MOV	2.479 In/Sec	.101 G-s	
MOA	1.112 In/Sec	.060 G-s	
MIH	.258 In/Sec	.425 G-s	
MIP	.139 G-s		
MIV	.177 In/Sec	.143 G-s	
MIA	.229 In/Sec	.080 G-s	

SAR222 - Oleum Twr Drain Pmp (25-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.060 In/Sec	.469 G-s	3575.0 RPM
MOP	.0044 G-s		
MOV	.087 In/Sec	.639 G-s	
MOA	.085 In/Sec	.414 G-s	
MIH	.053 In/Sec	.384 G-s	
MIP	.017 G-s		
MIV	.096 In/Sec	.903 G-s	
MIA	.069 In/Sec	.357 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.238 In/Sec	4.050 G-s	
PIP	.015 G-s		
PIV	.169 In/Sec	1.872 G-s	
* POH	.157 In/Sec	2.925 G-s	
* POP	.018 G-s		
* POV	.150 In/Sec	2.260 G-s	

SAR231B - Final Twr Circ Pump S (24-May-21)

	OVERALL LEVEL	1K-20kHz	
MOH	.066 In/Sec	.499 G-s	1775.0 RPM
MOP	.230 G-s		
MOV	.031 In/Sec	.177 G-s	
MOA	.063 In/Sec	.181 G-s	
MIH	.050 In/Sec	.459 G-s	
MIP	.261 G-s		
MIV	.035 In/Sec	.330 G-s	
MIA	.060 In/Sec	.189 G-s	

SAR233 - InterpassTwr Drain Pmp1 (08-Mar-21)

	OVERALL LEVEL	1K-20KHz	
* POH	.034 In/Sec	.181 G-s	3575.0 RPM
* POP	.015 G-s		
* POV	.030 In/Sec	.202 G-s	

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