

October 4, 2021

Mitsubishi Chemicals

Subject: October vibration report

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

QualiTest® uses a four-step rating system for defects.

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

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

<u>Class III:</u> 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.

<u>Class IV;</u> 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

Observations

ACN 07C ACH Product Feed Pump South

The vibration data still 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. There could be a little cavitation also. We will keep an eye on this unit in the future. No action is required at this time. **Rated a Class I Defect**

ACN 08 ACH Blend Tank

Motor shows a slight increase in shaft speed vibration. Inspect for loose fasteners and coupling or alignment issues. **Rated a Class I Defect.**

ACN 09 ACH Flash Tank Pump

Motor shows another increase in the shaft speed vibration. Inspect for loose fasteners and coupling or alignment issues. **Rated a Class II Defect.**

ACN 13A #2 Kettle Transfer Pump North

Vibration data still shows non-synchronous peaks in the spectrum for the motor bearings. We suspect outer race bearing defects are present since the frequencies match the overlay. Ensure adequate bearing lubrication if applicable. Prepare to change out the motor at some future time. **Rated a Class II Defect.**

ACN22 ACN Ref Booster Pump #2

The motor and pump axial vibrations are still elevated at 3x and 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 drive end vertical vibration is still elevated at shaft speed. Inspect for loose fasteners and coupling or alignment issues. **Rated a Class I Defect.**

ACN29A ACN Cooling Tower Pump North

Pump data continues to suggest cavitation. Check for proper pump operation. Rated a Class I 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.**

MON 32B ARC Reflux Pump South

Pump vibration data for the inboard bearing overall has risen again and consists of a few harmonics of which the 5th is dominant and could indicate slight wear or flow issue. Sub-synchronous sidebands seem to also be present and surround the 5th harmonic. There are also a few non-synchronous peaks. We suspect bearing defects, and wear in the pump, possible even a loose impeller. Inspect as time allows. **Rated a Class II Defect.**

MON 43B Amide Reactor Circulation Pump 2 South

The pump inboard horizontal vibrations are still elevated. We suspect an impeller vane pass vibration, or possibly a coupling issue. Check to make sure the pump flow and pressure are at design levels. Inspect the coupling also. **Rated a Class I Defect.**

MON 50 MMA Decanter Feed Pump

Pump vibration data for the inboard bearing overall has risen slightly and consists of a few harmonics and could indicate looseness in the bearing fits, or a flow issue. No immediate action required. **Rated a Class I Defect.**

MON 55 MM Hut Pump Mid

Pump vibration data shows what looks to be cavitation. Check for proper operation. **Rated a Class I Defect**.

MON 63E LBS Side Stream Pump East

Unit has a 4x vibration but is dominant in the pump. It could be a coupling issue, but most likely a flow issue due to possible impeller pass. Inspect the coupling and check the pump operational parameters. **Rated a Class I Defect.**

MON 63W LBS Side Stream Pump West

Vibration data still shows synchronous and non-synchronous peaks in the spectrum for the motor bearings. We suspect bearing defects are present; however the database does not have the bearing defect frequencies in the analysis parameter fault frequency sets. Ensure adequate bearing lubrication if applicable. Prepare to change out the motor in the future. **Rated a Class II Defect.**

MON 65 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.**

MON 73W Skim Tub Transfer Pump W

Motor shows early bearing distress. Lubricate if applicable. Rated a Class I Defect.

SAR 03 Turbine Compressor Main Blower

Vibration overall has not changed recently. Data still consists of a dominant shaft speed vibration and multiple harmonics for the compressor shaft measurements. **Rated a Class I 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 14 Combustion Air Fan West

The data still indicates distress in the inboard motor bearing. We only see about 1.6 g's RMS overall for the horizontal measurements. The fan bearings show a raised noise floor in the acceleration spectrum and impacting in the time domain as well as a few low amplitude harmonics of the fundamental speed. This could be distress in the bearings, lubrication, mechanical looseness, or some other anomaly. 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.**

SAR55A Neutralization Pump North

The data show a dramatic drop in motor vibrations. No further action is required.

SAR 63 EM Spent Acid Feed Pump E

The pump inboard bearing vibration data still indicates slight issues that are most like bearing defects. Ensure the bearings are lubricated. **Rated a Class I Defect.**

SAR 66 B, C, E Vertical Cooling Tower Pumps

These units still 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.**

SAR78A Cooling Tower Fan #1

The motor continues have an 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 increased significantly in the motor inboard vertical. Inspect the installation for issues in the structure, fasteners, coupling and alignment. We will watch carefully for changes going forward. **Rated a Class II Defect.**

SAR 137A Contain Pit Pump North

The 5x RPM vibration has increased somewhat in the motor. We suspect an impeller pass vibration due to wear or flow issues. Clean/inspect as time allows. **Rated a Class I Defect.**

Previously reported equipment but not running this survey

ACN 05B ACH Top Column Transfer Pump E

The vibration data shows an increase in what looks to be 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**

ACN 07B ACH Product Feed Pump Middle

Data shows possible pump vane pass and cavitation. Check for process variables. 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. 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 3 to 4 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 still elevated, especially at 4x shaft speed. We suspect an impeller vane pass vibration, or possibly a coupling issue. Check to make sure the pump flow and pressure are at design levels. Inspect the coupling also. **Rated a Class II 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.**

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 38 Drying Tower Pump-out

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

SAR 39C Boiler Feed Water Pump Northeast

We still see a slight shaft speed vibration in the motor outboard. Inspect the motor and drivetrain as time allows. Rated a Class I Defect.

SAR 50A Drying Tower Circulation Pump West

We see a slight increase of the shaft speed vibration in the motor. Inspect the motor and motor cooling fan, and drivetrain as time allows. **Rated a Class I Defect.**

SAR55B Neutralization Pump South

The data continues to show signs of early distress in the inboard motor bearing. The motor also has a 1xRPM vibration that has generally been increasing since December. 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 161A North SAR Cooling Tower Fan West (September data was of poor quality), previous data showed:

The motor still 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 still has multiple synchronous and non-synchronous vibration peaks. Overall acceleration is over 3g's RMS. The bearing is in distress. Ensure they are lubricated properly. We will watch carefully going forward. **Rated a Class II Defect.**

SAR231A Final Tower Circulation Pump North

Vibrations have dropped substantially. No further actions required.

September 2021 survey data

Database: Lucite Memphis MMA.rbm Area: MMA

Report Date: 09-Sep-21 08:13

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			
	MOA	.028 In/Sec	.045 G-s		
	MIH	.031 In/Sec	.396 G-s		
	MIP	.031 G-s			
	MIV	.022 In/Sec			
	MIA	.015 In/Sec	.123 G-s		
	IIH	.176 In/Sec			
	IIP	1.505 G-s			
	IIV	.160 In/Sec			
	IIA	.098 In/Sec			
	ООН	.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			
	СОН	.041 In/Sec .245 G-s			
	COP	.245 G-s .043 In/Sec			
	COV	.043 In/Sec .048 In/Sec			
	COA	.048 In/Sec			
ACN04	- Topping	Col Circ Pump OVERALL LEVEL	(20-Aug-21)		
			1K-20kHz		
	MOH	.033 In/Sec	.270 G-s	1175.0 RPM	
	MOP	.146 G-s			
	MOV	.035 In/Sec	.085 G-s		
	MOA	.034 In/Sec			
	MIH	.028 In/Sec	.426 G-s		
	MIP	.264 G-s			
	MIV	.028 In/Sec			
	MIA	.024 In/Sec			
		OVERALL LEVEL			
	PIH	.134 In/Sec	.394 G-s		
	PIP	.250 G-s			
	PIV	.060 In/Sec	.205 G-s		
	PIA	.062 In/Sec	.168 G-s		
	POH	.049 In/Sec	.562 G-s		

	POP		.347 G-s		
	POV			.208 G-s	
	POA			.170 G-s	
ACN05B	- 1	opp Colu		(20-Aug-21)	
			OVERALL LEVEL	1K-20kHz	
	MOH		.072 In/Sec	.729 G-s	3575.0 RPM
	MOP		.154 G-s		
	MOV		.042 In/Sec		
	MOA		.027 In/Sec	.097 G-s	
	MIH		.065 In/Sec	1.268 G-s	
	MIP		.146 G-s		
	MIV		.048 In/Sec	.111 G-s	
	MIA		.034 In/Sec	.055 G-s	
			OVERALL LEVEL	1K-20KHz	
	PIH		.106 In/Sec		
	PIP		.130 G-s		
	PIV		.124 In/Sec	.502 G-s	
	PIA		.085 In/Sec	.406 G-s	
ACN07A	- P	CH Prod	Feed Pump N	(02-Aug-21)	
			OVERALL LEVEL		
	MOH		.036 In/Sec	.104 G-s	3575.0 RPM
	MOP		.012 G-s		
	MOV		•	.047 G-s	
	MOA		.037 In/Sec		
	MIH		.060 In/Sec	.161 G-s	
	MIP		.075 G-s		
	MIV		.068 In/Sec		
	MIA		.031 In/Sec		
			OVERALL LEVEL		
	PIH		.108 In/Sec	.161 G-s	
	PIP		.029 G-s	170 0	
	PIV		.047 In/Sec .087 In/Sec	.178 G-s	
	PIA		.08/ In/Sec	.108 G-s	
ACMO7C	_ 7	CU Drod	Feed Pump S	(20-Aug-21)	
ACNO /C		ich Plou	OVERALL LEVEL		
	MOH			1.221 G-s	3575 0 DDM
	MOP		.461 G-s	1.221 G-S	3373.0 RPM
	MOV		.085 In/Sec	.600 G-s	
	MOA		.069 In/Sec	.342 G-s	
	MIH		.082 In/Sec	2.444 G-s	
	MIP		.639 G-s	2.444 0 5	
	MIV		.086 In/Sec	.689 G-s	
	MIA		.051 In/Sec		
			OVERALL LEVEL		
	PIH		.176 In/Sec	1.599 G-s	
	PIP		.190 G-s	1.033 0 0	
	PIV		.227 In/Sec	.952 G-s	
	PIA		.204 In/Sec		
			,	-	
ACN08	- A	CH Blend	Tank	(20-Aug-21)	
			OVERALL LEVEL		
	MOH		.047 In/Sec	.122 G-s	3575.0 RPM
	MOP		.0084 G-s		
	MOV		.233 In/Sec	.078 G-s	

```
.039 G-s
      MOA
                    .170 In/Sec
      MIH
                     .058 In/Sec
                                     .232 G-s
                     .033 G-s
      MIP
                                     .067 G-s
      MIV
                     .193 In/Sec
      MIA
                     .157 In/Sec
                                     .049 G-s
                                  1K-20KHz
                    OVERALL LEVEL
                     .113 In/Sec
                                     .465 G-s
      PIH
                     .159 G-s
      PIP
      PIV
                     .084 In/Sec
                                     .186 G-s
      PIA
                     .068 In/Sec
                                     .102 G-s
ACN09
       - ACH Flash Tank Pump
                                      (20-Aug-21)
                    OVERALL LEVEL 1K-20kHz
                     .128 In/Sec
                                                    3575.0 RPM
      MOH
                                    .516 G-s
                     .018 G-s
      MOP
                     .276 In/Sec
                                    .165 G-s
      MOV
                     .223 In/Sec
                                    .112 G-s
      MOA
    * MIV
                    .068 In/Sec
                                     .831 G-s
    * MIA
                     .108 In/Sec
                                    1.139 G-s
                    OVERALL LEVEL
                                    1K-20KHz
      PIH
                    .091 In/Sec
                                    .226 G-s
                     .040 G-s
      PIP
                                    .208 G-s
                     .152 In/Sec
      PIV
      PIA
                     .061 In/Sec
                                     .168 G-s
ACN10 - #1 Kettle Circ Pmp
                                     (20-Aug-21)
                    OVERALL LEVEL 1K-20kHz
      MOH
                     .023 In/Sec
                                    .326 G-s
                                                  1775.0 RPM
      MOP
                     .131 G-s
      MOV
                     .033 In/Sec
                                    .126 G-s
                                    .094 G-s
      MOA
                     .027 In/Sec
                     .026 In/Sec
      MIH
                                     .585 G-s
      MIP
                     .296 G-s
                                    .199 G-s
                     .026 In/Sec
      MIV
                     .017 In/Sec
      MIA
                                     .154 G-s
                                   1K-20KHz
                    OVERALL LEVEL
                     .041 In/Sec
      PIH
                                     .293 G-s
                     .188 G-s
      PIP
                     .044 In/Sec
      PIV
                                     .113 G-s
      PIA
                     .039 In/Sec
                                     .180 G-s
ACN11 - #2 Kettle Circ Pump
                                     (20-Aug-21)
                   OVERALL LEVEL 1K-20kHz
                                    .375 G-s
      MOH
                     .023 In/Sec
                                                    1775.0 RPM
                     .198 G-s
      MOP
                     .048 In/Sec
                                    .133 G-s
      MOV
                                     .120 G-s
      MOA
                     .043 In/Sec
                     .023 In/Sec
      MIH
                                     .733 G-s
      MIP
                     .423 G-s
                                   .111 G-s
                     .054 In/Sec
      MIV
                     .038 In/Sec
                                     .133 G-s
      MIA
                                   1K-20KHz
                    OVERALL LEVEL
      PIH
                    .050 In/Sec
                                    .210 G-s
      PIP
                     .114 G-s
                     .098 In/Sec
      PIV
                                    .252 G-s
      PIA
                    .038 In/Sec
                                    .142 G-s
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.104 In/Sec

.200 G-s

* POV

* POA	.038 In/Sec	.253 G-s	
ACN12	- #1 Kettle Xfer Pump OVERALL LEVEL	(20-Aug-21)	
мон	.048 In/Sec		3575.0 RPM
MOP	.014 G-s	.249 G-S	3373.0 RPM
MOV	.105 In/Sec	.136 G-s	
MOA	.062 In/Sec	.025 G-s	
MIH	.031 In/Sec	.270 G-s	
MIP	.029 G-s	.270 0 5	
MIV	.076 In/Sec	.416 G-s	
MIA	.055 In/Sec		
	OVERALL LEVEL		
PIH	.053 In/Sec		
PIP	.017 G-s		
PIV	.100 In/Sec	.142 G-s	
PIA	.059 In/Sec		
ACN13A	- #2 Kettle Xfer Pump N	_	
	OVERALL LEVEL	1K-20kHz	
MOH	.126 In/Sec	1.203 G-s	3575.0 RPM
MOP	.130 G-s		
MOV	.125 In/Sec		
MOA	.080 In/Sec	.388 G-s	
MIH	.159 In/Sec	3.687 G-s	
MIP	.265 G-s		
MIV	.111 In/Sec		
MIA	.098 In/Sec	.854 G-s	
	OVERALL LEVEL		
PIH	.096 In/Sec	.508 G-s	
PIP	.056 G-s	0.75	
PIV	.119 In/Sec		
PIA	.101 In/Sec	.811 G-s	
ACN13B	- #2 Kettle Xfer Pump S	(02-Aug-21)	
	OVERALL LEVEL	_	
MOH	.044 In/Sec	.843 G-s	3575.0 RPM
MOP	.048 G-s		
MOV	.056 In/Sec	.246 G-s	
MOA	.040 In/Sec	.200 G-s	
MIH	.068 In/Sec	2.913 G-s	
MIP	.645 G-s		
MIV	.060 In/Sec	.617 G-s	
MIA	.047 In/Sec		
	OVERALL LEVEL		
PIH	.060 In/Sec	.631 G-s	
PIP			
PIV	•		
PIA	.071 In/Sec	.131 G-s	
ACN16	- ACH Scrb Circ PumpN	(24-Mar- 21)	
ACNIO .	OVERALL LEVEL	(24-May-21)	
* POV		.412 G-s	1780.0 RPM
* POA		.412 G-s .396 G-s	1700.0 RFM
" FOA	.202 111/560	.370 G-S	
AC17 -	- Carrier Ref Unit	(20-Aug-21)	
	OVERALL LEVEL	_	
	0.2.0		

	МОН	.019 In/Sec	.116 G-s	1780.0 RPM
	MOP	.022 G-s	.110 0 0	1700.0 1411
	MOV	.019 In/Sec	.045 G-s	
	MOA	.014 In/Sec	.023 G-s	
	MIH	.024 In/Sec	.114 G-s	
	MIP	.024 G-s		
	MIV	.018 In/Sec	.085 G-s	
	MIA	.016 In/Sec	.047 G-s	
	IIH	.195 In/Sec		
	IIP	.969 G-s		
	IIV	.138 In/Sec		
	IIA	.184 In/Sec		
	OOH	.181 In/Sec		
	OOP	1.333 G-s		
	VOOV	.055 In/Sec		
	OOA	.132 In/Sec		
	CIH	.080 In/Sec		
	CIP	.785 G-s		
	CIV	.123 In/Sec		
	CIA	.196 In/Sec		
	СОН	.072 In/Sec		
	COP	.334 G-s		
	COA	.056 In/Sec		
	COA	.101 In/Sec		
			44.0 - 04.1	
ACN17DE	P - DP Comp		(19-Aug-21)	
	01	OVERALL LEVEL		1775 A DDV
	21 22	.026 Mils		1775.0 RPM
	27	.174 Mils .013 Mils		
	23			
	24	.057 Mils .036 Mils		
	24	.036 MIIS		
ACN22	- ACN Ref U	nit Booster #2	(30-Aug-21)	
			1K-20kHz	
	МОН	.117 In/Sec	.414 G-s	3575.0 RPM
	MOP	.013 G-s		
	MOV	.211 In/Sec	.143 G-s	
	MOA	.415 In/Sec	.064 G-s	
	MIH	.099 In/Sec	.277 G-s	
	MIP	.021 G-s		
	MIV	.156 In/Sec	.090 G-s	
	MIA	.313 In/Sec	.067 G-s	
		OVERALL LEVEL	1K-20KHz	
	PIH	0.00 - /-		
		.060 In/Sec	.435 G-s	
	PIP	.060 In/Sec .102 G-s	.435 G-s	
		•	.435 G-s .309 G-s	
	PIP	.102 G-s .134 In/Sec .148 In/Sec	.309 G-s .160 G-s	
	PIP PIV	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec	.309 G-s	
	PIP PIV PIA	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s	.309 G-s .160 G-s	
	PIP PIV PIA POH POP POV	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s .099 In/Sec	.309 G-s .160 G-s .401 G-s	
	PIP PIV PIA POH POP	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s	.309 G-s .160 G-s .401 G-s	
	PIP PIV PIA POH POP POV POA	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s .099 In/Sec .214 In/Sec	.309 G-s .160 G-s .401 G-s .364 G-s .202 G-s	
ACN23	PIP PIV PIA POH POP POV	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s .099 In/Sec .214 In/Sec	.309 G-s .160 G-s .401 G-s .364 G-s .202 G-s	
	PIP PIV PIA POH POP POV POA - ACH Scrb	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s .099 In/Sec .214 In/Sec Circ Pump S OVERALL LEVEL	.309 G-s .160 G-s .401 G-s .364 G-s .202 G-s (20-Aug-21) 1K-20kHz	1000 0 5000
	PIP PIV PIA POH POP POV POA	.102 G-s .134 In/Sec .148 In/Sec .359 In/Sec .056 G-s .099 In/Sec .214 In/Sec	.309 G-s .160 G-s .401 G-s .364 G-s .202 G-s	1780.0 RPM

MOV	.041 In/Sec	.173 G-s	
MOA	.034 In/Sec	.237 G-s	
MIH	.022 In/Sec	.546 G-s	
MIP	.314 G-s		
MIV	.047 In/Sec	.367 G-s	
MIA	.030 In/Sec	.207 G-s	
	OVERALL LEVEL		
PIH	.091 In/Sec	.309 G-s	
PIP	.225 G-s		
PIV	.114 In/Sec	.152 G-s	
PIA	.061 In/Sec	.111 G-s	
3 CNT 2 0 3	ACN For H	(22 T-1 21)	
ACNZ OA	- ACN Fan W OVERALL LEVEL	(22-Jul-21)	
мон	.124 In/Sec		1775.0 RPM
	.124 In/sec	.993 G-S	1775.0 RPM
MOP MOV	.221 G-S .188 In/Sec	.403 G-s	
	.100 IN/Sec	.403 G-s .098 G-s	
MOA	.195 In/Sec	.098 G-s 2.058 G-s	
MIH MIP	-	2.030 G-S	
		600 0 -	
MIV MIA	.178 In/Sec .179 In/Sec	.690 G-s .187 G-s	
MIA	.179 In/Sec	.167 G-S	
ACN28B	- ACN Fan E	(20-Aug-21)	
	OVERALL LEVEL		
MOH	2.815 In/Sec	.753 G-s	1775.0 RPM
MOP	.196 G-s		
MOV	.240 In/Sec		
MOA	.164 In/Sec		
MIH	1.540 In/Sec	.733 G-s	
MIP	.166 G-s		
MIV	•		
MIA	1.486 In/Sec	.159 G-s	
ACN28BDP	- Cooling Twr Fan E	(19-Aug-21)	
	OVERALL LEVEL	_	
26	.339 Mils		1775.0 RPM
-		(20-70-21)	1775.0 RPM
_	- ACN Cool Twr Pump N		1775.0 RPM
ACN29A	- ACN Cool Twr Pump N OVERALL LEVEL	1K-20kHz	
ACN29A MOH	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec	1K-20kHz	1775.0 RPM
ACN29A MOH MOP	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s	1K-20kHz .971 G-s	
ACN29A MOH MOP MOV	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec	1K-20kHz .971 G-s .404 G-s	
ACN29A MOH MOP MOV MOA	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s	
ACN29A MOH MOP MOV MOA MIH	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec	1K-20kHz .971 G-s .404 G-s	
ACN29A MOH MOP MOV MOA MIH MIP	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s	
ACN29A MOH MOP MOV MOA MIH MIP	- ACN Cool Twr Pump N	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA PIH PIP	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec .480 G-s	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz .679 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA PIH PIP PIV	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec .480 G-s .143 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz .679 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA PIH PIP PIV PIA	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec .480 G-s .143 In/Sec .158 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz .679 G-s .372 G-s .273 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA PIH PIP PIV PIA POH	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec .480 G-s .143 In/Sec .158 In/Sec .122 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz .679 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA PIH PIP PIV PIA POH POP	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec .480 G-s .143 In/Sec .158 In/Sec .122 In/Sec 1.084 G-s	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz .679 G-s .372 G-s .273 G-s 1.567 G-s	
ACN29A MOH MOP MOV MOA MIH MIP MIV MIA PIH PIP PIV PIA POH	- ACN Cool Twr Pump N OVERALL LEVEL .063 In/Sec .191 G-s .052 In/Sec .043 In/Sec .052 In/Sec .184 G-s .094 In/Sec .074 In/Sec OVERALL LEVEL .226 In/Sec .480 G-s .143 In/Sec .158 In/Sec .122 In/Sec	1K-20kHz .971 G-s .404 G-s .252 G-s .768 G-s 1.353 G-s .700 G-s 1K-20KHz .679 G-s .372 G-s .273 G-s	

ACN28ADP	- Cooling Twr Fan W	(19-Aug-21)	
28	OVERALL LEVEL .247 Mils		1775.0 RPM
ACN29B	- ACN Cool Twr Pump M	(20-Aug-21)	
	OVERALL LEVEL		
MOH		.775 G-s	1775.0 RPM
MOP	.260 G-s		
MOV	.068 In/Sec	.430 G-s	
MOA	.068 In/Sec	.203 G-s	
MIH	.057 In/Sec	1.448 G-s	
MIP	.492 G-s		
MIV	.062 In/Sec		
MIA	.058 In/Sec	.927 G-s	
	OVERALL LEVEL		
PIH	.123 In/Sec	.817 G-s	
PIP	.537 G-s		
PIV	.091 In/Sec		
PIA	.153 In/Sec		
POH	.080 In/Sec	1.261 G-s	
POP	.643 G-s		
POV	.086 In/Sec		
POA	.093 In/Sec		
ACN29C	- ACN Cool Twr Pump S		
	OVERALL LEVEL	1K-20kHz	
MOH	.047 In/Sec	.557 G-s	1775.0 RPM
MOP	.208 G-s		
VOM	.071 In/Sec		
MOA	.051 In/Sec		
MIH	.040 In/Sec	.534 G-s	
MIP	.258 G-s		
MIV	.069 In/Sec		
MIA	.050 In/Sec		
	OVERALL LEVEL		
PIH	.149 In/Sec	1.182 G-s	
PIP	.646 G-s		
PIV	.126 In/Sec		
PIA	.116 In/Sec		
POH	.109 In/Sec	2.931 G-s	
POP	.778 G-s		
POV	.082 In/Sec		
POA	.098 In/Sec	.467 G-s	
ACN30	- ACH Scrubber Xfer Pmp	(20-Aug-21)	
	OVERALL LEVEL	1K-20kHz	
MOH	.051 In/Sec	.274 G-s	1780.0 RPM
MOP	.157 G-s		
VOM	.068 In/Sec	.290 G-s	
MOA	.128 In/Sec	.111 G-s	
MIH	.066 In/Sec	.537 G-s	
MIP	.370 G-s		
MIV	.095 In/Sec	.254 G-s	
MIA	.114 In/Sec	.102 G-s	
	OVERALL LEVEL		
PIH	.062 In/Sec	.146 G-s	

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.108 G-s
      PIP
                     .074 In/Sec
                                     .117 G-s
      PIV
                     .047 In/Sec
                                      .057 G-s
      PIA
      POH
                      .046 In/Sec
                                      .113 G-s
      POP
                      .041 G-s
                      .048 In/Sec
      POV
                                      .111 G-s
                      .048 In/Sec
                                      .023 G-s
      POA
ACN36 - ACH Neut Tank Circ Pmp
                                      (02-Aug-21)
                    OVERALL LEVEL 1K-20kHz
                     .077 In/Sec
                                     .308 G-s
                                                     3575.0 RPM
      MIP
                     .068 G-s
                                     .130 G-s
      MIV
                     .102 In/Sec
                     .107 In/Sec
                                      .081 G-s
      MIA
                     OVERALL LEVEL 1K-20KHz
                                     .179 G-s
                     .472 In/Sec
      PIH
                     .032 G-s
      PIP
                                     .276 G-s
      PIV
                     .164 In/Sec
      PIA
                      .154 In/Sec
                                     .068 G-s
                    Jnit Booster #3 (20-Aug-
OVERALL LEVEL 1K-20kHz
2.883 G-s
ACN44 - ACN Ref Unit Booster #3
                                      (20-Aug-21)
                                                   3575.0 RPM
      MOH
                     .049 G-s
      MOP
      MOV
                     .133 In/Sec
                                    1.108 G-s
      MOA
                     .100 In/Sec
                                     .472 G-s
      MIH
                     .143 In/Sec
                                      .701 G-s
                     .044 G-s
      MIP
                     .139 In/Sec
                                     .352 G-s
      MIV
                                      .301 G-s
      MIA
                      .135 In/Sec
                     OVERALL LEVEL 1K-20KHz
                     .113 In/Sec
                                     .829 G-s
      PIH
      PIP
                     .258 G-s
      PIV
                     .173 In/Sec
                                    1.121 G-s
                      .179 In/Sec
      PIA
                                     .715 G-s
                      .095 In/Sec
                                      .541 G-s
      POH
      POP
                      .061 G-s
      POV
                      .154 In/Sec
                                      .755 G-s
      POA
                      .135 In/Sec
                                      .361 G-s
MON 32A - ARC Reflux Pmp N
                                       (19-Aug-21)
                     OVERALL LEVEL 1K-20kHz
                                                     3520.0 RPM
      M1V
                     .173 In/Sec .271 G-s
      M1A
                     .082 In/Sec
                                     .056 G-s
                                      .324 G-s
      м2н
                     .056 In/Sec
                     .049 G-s
      M2P
                                     .200 G-s
                     .147 In/Sec
      M2V
      M2A
                      .092 In/Sec
                                      .067 G-s
                     OVERALL LEVEL
                                     1K-20KHz
      P1H
                     .070 In/Sec
                                     .666 G-s
      P1P
                     .121 G-s
                                    .252 G-s
                     .078 In/Sec
      P1V
      P1A
                     .094 In/Sec
                                      .212 G-s
      P2H
                     .092 In/Sec
                                    1.190 G-s
      P2P
                     .135 G-s
      P2V
                     .095 In/Sec
                                     .298 G-s
      P2A
                     .091 In/Sec
                                     .145 G-s
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	OVERALL LEVEL	1K-20kHz	
м1н	.075 In/Sec		
M1P	.053 G-s		
MON 32B	- ARC Reflux Pmp S	(19-Aug-21)	
	OVERALL LEVEL		
M1H	.063 In/Sec	.231 G-s	3520.0 RPM
M1P	.064 G-s		
M1V	.080 In/Sec		
M1A	.070 In/Sec	.060 G-s	
M2H	.038 In/Sec	.348 G-s	
M2P M2V	.092 G-s .092 In/Sec	.137 G-s	
M2A	.052 In/Sec	.137 G-s .035 G-s	
MZA	OVERALL LEVEL		
P1H	.338 In/Sec		
P1P	.025 G-s		
P1V	.278 In/Sec	.324 G-s	
P1A	.289 In/Sec	.791 G-s	
P2H	.218 In/Sec	.724 G-s	
P2P	.054 G-s		
P2V	.193 In/Sec	.488 G-s	
P2A	.261 In/Sec	1.222 G-s	
MON36	- Irganox Mix/Feed Pump		
	OVERALL LEVEL		4550 0 550
MOH MOP	.055 In/Sec	.217 G-s	1750.0 RPM
MOP	.047 G-s .038 In/Sec	.104 G-s	
MOA	.038 In/Sec	.104 G-s .083 G-s	
* MIH	.059 In/Sec	.263 G-s	
* MIP	.185 G-s	.203 0 5	
* MIV	.050 In/Sec	.388 G-s	
* MIA	.053 In/Sec	.378 G-s	
IIH	.049 In/Sec		
IIP	.179 G-s		
IIV	.057 In/Sec		
IIA	.041 In/Sec		
	OVERALL LEVEL	1K-20KHz	
POH	.087 In/Sec	.384 G-s	
POP	.283 G-s	041.0	
POV	.080 In/Sec .096 In/Sec		
POA	.096 In/Sec	.640 G-s	
MON38A	- LBS Reflux Pmp S	(19-Aug-21)	
	OVERALL LEVEL	1K-20kHz	
MOH	.039 In/Sec	.352 G-s	3575.0 RPM
MOP	.031 G-s		
MOV	.035 In/Sec	.138 G-s	
MOA	.038 In/Sec	.078 G-s	
MIH	.038 In/Sec	.780 G-s	
MIP	.094 G-s	400 -	
MIV	.074 In/Sec	.129 G-s	
MIA	.047 In/Sec	.165 G-s	
DT	OVERALL LEVEL .075 In/Sec	1K-20KHz	
PIH PIP	.075 In/Sec .081 G-s	.818 G-s	
PIP	.voi G-s		

PIV	.066 In/Sec	564 G-s	
PIA		.339 G-s	
	.070 111, 500	.555 6 5	
MON38B	- LBS Reflux Pmp N	(19-Aug-21)	
11011302	OVERALL LEVEL	1K-20kHz	
мон	.139 In/Sec		3575.0 RPM
MOP	.127 G-s	.320 0 5	3373.0 KIM
MOV	.102 In/Sec	148 G-s	
MOA	.119 In/Sec	.167 G-s	
MIH	.098 In/Sec	.493 G-s	
MIP	.084 G-s	.433 G S	
MIV	.192 In/Sec	065 G-s	
MIA	.104 In/Sec	.059 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.126 In/Sec		
PIP	.095 G-s	.021 0 5	
PIV	.138 In/Sec	465 G-s	
PIA	.112 In/Sec		
1 111	.112 111, 560	.547 0 5	
MON38CNM	- LBS Tails Pump N	(20-Aug-21)	
HONSOCHH	OVERALL LEVEL		
мон		.297 G-s	3575 0 RPM
MOP	.024 G-s	.23. 6 5	337310 14211
MOV	.131 In/Sec	136 G-s	
MOA	.114 In/Sec		
MIH	.107 In/Sec		
MIP	.072 G-s	.550 0 5	
MIV	.124 In/Sec	.185 G-s	
MIA	.104 In/Sec	.118 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH		1 218 G-s	
PIP	-		
PIV	104 In/Sec	.930 G-s	
PIA	.116 In/Sec	.512 G-s	
	,,,		
MON38CSM	- LBS Tails Pump S	(20-Aug-21)	
	OVERALL LEVEL		
МОН	.037 In/Sec		3575.0 RPM
MOP	.034 G-s		
MOV	.044 In/Sec	.079 G-s	
MOA	.052 In/Sec		
MIH	.046 In/Sec	.523 G-s	
MIP	.066 G-s		
MIV	.053 In/Sec	.174 G-s	
MIA	.054 In/Sec		
	OVERALL LEVEL		
PIH	.101 In/Sec	.429 G-s	
PIP	.069 G-s		
PIV	.087 In/Sec	.373 G-s	
PIA	.063 In/Sec	.219 G-s	
MON40	- Acetone Pump	(20-Aug-21)	
	OVERALL LEVEL	1K-20kHz	
MOH	.028 In/Sec	.748 G-s	3575.0 RPM
MOP	.068 G-s		
MOV	.039 In/Sec	.287 G-s	
MOA	.031 In/Sec	.142 G-s	

```
MIH
                       .034 In/Sec
                                       1.930 G-s
                       .175 G-s
      MIP
      MIV
                       .038 In/Sec
                                        .131 G-s
      MIA
                       .027 In/Sec
                                         .127 G-s
                       OVERALL LEVEL
                                        1K-20KHz
                        .118 In/Sec
      PIH
                                         .755 G-s
                        .123 G-s
      PIP
                       .110 In/Sec
       PIV
                                         .611 G-s
                       .074 In/Sec
      PIA
                                         .384 G-s
MON43A
          - Amide Reactor Circ Pmp #1N
                                         (19-Aug-21)
                      OVERALL LEVEL
                                        1K-20kHz
                                                         1785.0 RPM
      MOH
                       .075 In/Sec
                                         .224 G-s
      MOP
                       .022 G-s
                                         .129 G-s
      MOV
                       .065 In/Sec
                                         .114 G-s
      MOA
                       .121 In/Sec
      MIH
                       .076 In/Sec
                                         .329 G-s
      MIP
                       .131 G-s
      MIV
                       .085 In/Sec
                                         .294 G-s
                       .108 In/Sec
      MIA
                                         .406 G-s
                      OVERALL LEVEL
                                        1K-20KHz
                       .210 In/Sec
      PIH
                                         .433 G-s
                       .189 G-s
      PIP
      PIV
                       .162 In/Sec
                                         .164 G-s
      PIA
                       .175 In/Sec
                                         .131 G-s
MON43B
          - Amide Reactor Circ Pmp #2S
                                          (19-Aug-21)
                                       1K-20kHz
                      OVERALL LEVEL
      MOH
                       .176 In/Sec
                                        .123 G-s
                                                         1785.0 RPM
      MOP
                       .014 G-s
      MOV
                       .143 In/Sec
                                         .114 G-s
                       .126 In/Sec
                                         .080 G-s
      MOA
      MIH
                       .110 In/Sec
                                         .038 G-s
      MIP
                      .0052 G-s
                       .213 In/Sec
                                         .010 G-s
      MIV
                       .089 In/Sec
                                        .0076 G-s
      MIA
                      OVERALL LEVEL
                                        1K-20KHz
      PIH
                       .354 In/Sec
                                         .267 G-s
                       .144 G-s
      PIP
       PIV
                       .202 In/Sec
                                         .404 G-s
       PIA
                       .239 In/Sec
                                         .093 G-s
MON45EM - ACH Ref Brine Pump E
                                          (20-Aug-21)
                      OVERALL LEVEL
                                        1K-20kHz
      MOH
                       .059 In/Sec
                                        .922 G-s
                                                         1750.0 RPM
      MOP
                       .472 G-s
      MOV
                       .110 In/Sec
                                        1.394 G-s
      MOA
                       .076 In/Sec
                                         .511 G-s
      MIH
                       .054 In/Sec
                                        1.256 G-s
                       .684 G-s
      MIP
                       .084 In/Sec
      MIV
                                         .996 G-s
                       .081 In/Sec
                                         .537 G-s
      MIA
                      OVERALL LEVEL
                                        1K-20KHz
      PIH
                       .067 In/Sec
                                         .818 G-s
       PIP
                       .591 G-s
       PIV
                       .103 In/Sec
                                        .802 G-s
      PIA
                       .067 In/Sec
                                         .687 G-s
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I	POH	.056	In/Sec	1.044 G-s	
I	POP	.564	G-s		
I	POV	.075	In/Sec	.551 G-s	
I	POA	.049	In/Sec	.224 G-s	
MON45WM	- ACH Ref B	rine Pu	ump W LL LEVEL	(22-Jul-21)	
_	***				1850 0 554
	MOH		•	1.826 G-s	1750.0 RPM
	MOP	.616		700 -	
	4OV			.723 G-s	
	AOA		In/Sec		
	AIH		In/Sec	1.091 G-s	
	MIP	. 635			
	IIV		In/Sec		
N	AIA		In/Sec	.326 G-s	
_			LL LEVEL	1K-20KHz	
	PIH		In/Sec	.748 G-s	
	PIP	. 446			
	PIV		In/Sec	.439 G-s .360 G-s	
	PIA		In/Sec		
	POH		In/Sec	1.302 G-s	
	POP	.736			
	POV		In/Sec	.570 G-s	
E	POA	.079	In/Sec	.324 G-s	
MON50	- Decanter	Food D		(19-Aug-21)	
MONSO	- Decanter .	OVEDA	ump LL LEVEL	(19-Aug-21)	
N	1 OH			.430 G-s	3575.0 RPM
	MOP	.103	•	.450 G 5	3373.0 REM
	10V		In/Sec	.337 G-s	
	1OA		In/Sec	.114 G-s	
	AIH		In/Sec	.562 G-s	
	MIP	.144	•	.302 0 5	
	1IV		In/Sec	282 G-s	
	II V		In/Sec	.116 G-s	
-			LL LEVEL	1K-20KHz	
т	PIH		In/Sec	.588 G-s	
	PIP	.085	•	.500 0 5	
	PIV			.320 G-s	
	PIA		In/Sec	.620 G-s	
-			211, 500	.020 0 0	
MON 51	- WCM Tails	Swing	/Spare Pmp	(19-Aug-21)	
		OVERA	LL LEVEL	1K-20kHz	
N	11 H	.078	In/Sec	.811 G-s	3530.0 RPM
N	11 P	.412	G-s		
N	11V	.090	In/Sec	.205 G-s	
N	11A	.066	In/Sec	.074 G-s	
M	12H	.072	In/Sec	.700 G-s	
M	12P	.307	G-s		
N	12V	.098	In/Sec	.128 G-s	
N	12A	.081	In/Sec	.076 G-s	
		OVERA	LL LEVEL	1K-20KHz	
I	P1H	.056	In/Sec	.179 G-s	
I	?1P	.016	G-s		
I	?1V	.124	In/Sec	.151 G-s	
I	?1A	.159	In/Sec	.124 G-s	
I	?2Н	.069	In/Sec	.153 G-s	

P2P	.018 (2-a		
P2V		In/Sec .228	G-s	
P2A		In/Sec .088		
MON55NM -	HUT Pump N		-Aug-21)	
		L LEVEL 1K-20		
MOH		In/Sec .362	G-s 1	775.0 RPM
MOP	.169 (_	
MOV		In/Sec .283		
MOA		In/Sec .185		
MIH		In/Sec .505	G-s	
MIP MIV	.337 (s-s In/Sec .290	C ~	
MIV MIA		In/Sec .290 In/Sec .310		
MIA		L LEVEL 1K-20		
PIH		In/Sec .435		
PIP	.274 (•	G-5	
PIV		In/Sec .304	G-8	
PIA		In/Sec .159		
POH		In/Sec .956		
POP	.569 (·		
POV		In/Sec .344	G-s	
POA	.109	In/Sec .195		
MON55MM -	HUT Pump Mid	(19	-Aug-21)	
	OVERALI	L LEVEL 1K-20	kHz	
MOH	.053	In/Sec .655	G-s 17	775.0 RPM
MOP	.420 (G-s		
MOV		In/Sec .213		
MOA		In/Sec .228		
MIH		In/Sec .982	G-s	
MIP	.609 (
MIV		In/Sec .460		
MIA		In/Sec .575		
		L LEVEL 1K-20		
PIH		In/Sec 1.029	G-s	
PIP	. 644 (0 -	
PIV PIA		In/Sec .664 In/Sec .483		
POH		In/Sec .483 In/Sec 2.366		
POP	1.298 (•	G-S	
POV			G-s	
POA		In/Sec .553		
2011	.100	, 500	0.5	
MON56 -	Inhibited Mon Xfe	er Pump E (20	-Aug-21)	
	OVERALI	L LEVEL 1K-20	kHz	
MOH	.057	In/Sec .408	G-s 35	575.0 RPM
MOP	.038 (G-s		
MOV		In/Sec .077		
MOA		In/Sec .091	G-s	
MIH			G-s	
MIP	.076			
MIV		In/Sec .192		
MIA		In/Sec .118		
		L LEVEL 1K-20		
PIH			G-s	
PIP	.091 (3-s		

PIV	078 т	n/Sec .259	C-e
PIA		n/Sec .406	
LIN	.000 1	.17566 .400	G 5
MON 63E -	- LBS Side Stream P	11mm E (19-	Aug-21)
MON USE	OVERALI		
M1H		n/Sec .577	
M1P	.029 G		G 5 5515.0 RFM
M1V	.087 I		G-s
M1A		n/Sec .117	
M2H	.069 I		
M2P	.045 G	*	
M2V	.083 I		G-s
M2A		n/Sec .209	
	OVERALI		
P1H	.227 I	n/Sec .773	
P1P	.168 G		
P1V	.137 I	n/Sec .537	G-s
P1A		n/Sec .451	
P2H	.153 I	n/Sec .543	G-s
P2P	.035 G	-s	
P2V	.117 I	n/Sec .281	G-s
P2A	.168 I	n/Sec .228	G-s
MON 63W -	- LBS Side Stream P	ump W (19-	Aug-21)
	OVERALI		
M1H	.076 I	n/Sec 1.250	G-s 3515.0 RPM
M1P	.031 G	-s	
M1V	.108 I	n/Sec 1.212	G-s
M1A	.086 I	n/Sec .607	G-s
M2H	.092 I	n/Sec 2.276	G-s
M2P	.093 G		
M2V	.124 I	n/Sec .609	G-s
M2A	.075 I	n/Sec .356	G-s
	OVERALI		
P1H	.211 I		G-s
P1P	.1 4 7 G		
P1V		n/Sec .855	
P1A	.153 I	· .	
P2H	.220 I	•	G-s
P2P	.156 G		_
P2V		in/Sec .926	
P2A	.157 I	in/Sec .899	G-s
		- : (10	- 01)
MON65 -	- Amide Reactor Cir		Aug-21)
MOTT	OVERALI		
МОН	.217 I .236 G	n/Sec .416	G-s 1180.0 RPM
MOP			C-a
MOV	.351 I .105 I		
MOA MIH	.105 I		
MIP	.332 G		G 3
MIV			_
MIA	292 т	n/Sec 126	C-8
	.282 I 097 T		
	.097 I	n/Sec .124	G-s
	.097 I OVERALI	n/Sec .124 LEVEL 1K-20K	G-s Hz
PIH	.097 I OVERALI .132 I	n/Sec .124 LEVEL 1K-20K n/Sec .163	G-s Hz
	.097 I OVERALI	n/Sec .124 LEVEL 1K-20K n/Sec .163	G-s Hz G-s

.068 G-s PIA .079 In/Sec MON67SM - PTZ Xfer Pump S (02-Aug-21) 1K-20kHz OVERALL LEVEL MOH .145 In/Sec .677 G-s 3575.0 RPM MOP .0043 G-s MOV .162 G-s .153 In/Sec .139 In/Sec .084 G-s MOA .155 In/Sec MIH .394 G-s .065 G-s MIP MIV .153 In/Sec .055 G-s MIA .153 In/Sec .037 G-s OVERALL LEVEL 1K-20KHz .056 In/Sec PIH .497 G-s PIP .044 G-s .336 G-s PIV .044 In/Sec .042 In/Sec PIA .263 G-s MON68A - #1 Reactor H2O Circ Pump (19-Aug-21) 1K-20kHz OVERALL LEVEL .053 In/Sec .332 G-s MOH 1180.0 RPM .087 G-s MOP .108 G-s MOV .038 In/Sec .063 G-s MOA .054 In/Sec MIH .049 In/Sec .151 G-s MIP .080 G-s .047 G-s MIV .049 In/Sec .049 In/Sec MIA .023 G-s OVERALL LEVEL 1K-20KHz .186 G-s PIH .034 In/Sec .109 G-s PIP .038 In/Sec .288 G-s PIV PIA .040 In/Sec .192 G-s MON73W - Skim Tub Xfer Pmp W (20-Aug-21) OVERALL LEVEL 1K-20kHz .036 In/Sec MOH .349 G-s 1010.0 RPM .120 G-s MOP MOV .335 In/Sec .577 G-s MOA .052 In/Sec .202 G-s MIH .047 In/Sec .448 G-s MIP .213 G-s 3.026 In/Sec .175 G-s MIV MIA .077 In/Sec .418 G-s 1K-20KHz OVERALL LEVEL .054 In/Sec .101 G-s PIH .092 G-s PIP .064 G-s PIV .037 In/Sec PIA .036 In/Sec .042 G-s MON81 - Uninhibited Mon Tank Pump S (20-Aug-21) OVERALL LEVEL 1K-20kHz MOH .038 In/Sec .181 G-s 3575.0 RPM MOP .013 G-s MOV .025 In/Sec .081 G-s .037 G-s MOA .026 In/Sec .044 In/Sec MIH .197 G-s

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MIP
                       .030 G-s
                                       .045 G-s
                       .029 In/Sec
      MIV
      MIA
                       .022 In/Sec
                                        .056 G-s
                      OVERALL LEVEL
                                       1K-20KHz
      PIH
                       .106 In/Sec
                                        .574 G-s
                       .041 G-s
      PIP
                                        .404 G-s
      PIV
                       .074 In/Sec
                       .076 In/Sec
      PIA
                                        .294 G-s
      POH
                       .101 In/Sec
                                        .590 G-s
      POP
                       .062 G-s
      POV
                       .073 In/Sec
                                        .514 G-s
      POA
                       .079 In/Sec
                                        .250 G-s
      - Uninhibited Mon Tank Pump N
MON80
                                        (20-Aug-21)
                      OVERALL LEVEL 1K-20kHz
                       .107 In/Sec
                                       .230 G-s
                                                        3575.0 RPM
      MOH
      MOP
                       .013 G-s
      MOV
                       .076 In/Sec
                                        .529 G-s
      MOA
                       .201 In/Sec
                                        .151 G-s
                       .183 In/Sec
      MIH
                                        .282 G-s
      MIP
                       .016 G-s
                       .181 In/Sec
      MIV
                                        .169 G-s
                       .222 In/Sec
                                        .027 G-s
      MIA
                      OVERALL LEVEL
                                      1K-20KHz
      PIH
                      .217 In/Sec
                                        .104 G-s
      PIP
                      .0074 G-s
      PIV
                      .041 In/Sec
                                        .182 G-s
      PIA
                      .066 In/Sec
                                        .051 G-s
                       .164 In/Sec
                                        .075 G-s
      POH
      POP
                      .0043 G-s
      POV
                      .050 In/Sec
                                        .156 G-s
                       .066 In/Sec
      POA
                                        .094 G-s
MON85E - Water Treatment Pmp E
                                         (20-Aug-21)
                      OVERALL LEVEL
                                       1K-20kHz
                       .127 In/Sec
                                                        1775.0 RPM
      MOH
                                        .225 G-s
                       .096 G-s
      MOP
                                        .104 G-s
      MOV
                       .080 In/Sec
                       .110 In/Sec
                                        .039 G-s
      MOA
      MIH
                      .095 In/Sec
                                        .484 G-s
      MIP
                      .267 G-s
      MIV
                      .132 In/Sec
                                        .361 G-s
                       .046 In/Sec
                                        .200 G-s
      MIA
                      OVERALL LEVEL
                                       1K-20KHz
                      .174 In/Sec
      PIH
                                       .405 G-s
                       .283 G-s
      PIP
      PIV
                       .080 In/Sec
                                        .341 G-s
      PIA
                       .098 In/Sec
                                        .237 G-s
      POH
                       .126 In/Sec
                                        .342 G-s
      POP
                       .203 G-s
                       .111 In/Sec
      POV
                                        .369 G-s
                       .105 In/Sec
                                        .172 G-s
      POA
MON85W
          - Water Treatment Pmp W
                                         (20-Aug-21)
                      OVERALL LEVEL
                                       1K-20kHz
      MOH
                      .071 In/Sec
                                        .540 G-s
                                                        1775.0 RPM
      MOP
                      .283 G-s
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.157 G-s
      MOV
                       .106 In/Sec
                       .095 In/Sec
                                        .120 G-s
      MOA
                       .055 In/Sec
      MIH
                                        .662 G-s
      MIP
                       .394 G-s
                                       .430 G-s
      MIV
                       .083 In/Sec
                       .074 In/Sec
      MIA
                                        .335 G-s
                      OVERALL LEVEL
                                       1K-20KHz
      PIH
                       .101 In/Sec
                                        .654 G-s
                       .573 G-s
      PIP
                       .128 In/Sec
      PIV
                                        .468 G-s
                       .096 In/Sec
                                        .253 G-s
      PIA
      POH
                       .063 In/Sec
                                        .693 G-s
      POP
                       .487 G-s
                       .103 In/Sec
      POV
                                        .334 G-s
      POA
                       .125 In/Sec
                                        .100 G-s
MON118
          - Tempered H20 Pmp
                                         (19-Aug-21)
                      OVERALL LEVEL
                                      1K-20kHz
      MOH
                       .046 In/Sec
                                       .212 G-s
                                                         865.0 RPM
      MOP
                       .142 G-s
                       .043 In/Sec
      MOV
                                        .043 G-s
                       .041 In/Sec
                                        .029 G-s
      MOA
      MIH
                       .050 In/Sec
                                        .164 G-s
      MIP
                      .090 G-s
      MIV
                      .031 In/Sec
                                        .206 G-s
      MIA
                       .037 In/Sec
                                        .063 G-s
                      OVERALL LEVEL
                                       1K-20KHz
      PIH
                      .047 In/Sec
                                        .054 G-s
                      .035 G-s
      PIP
      PIV
                       .029 In/Sec
                                        .032 G-s
                                        .081 G-s
      PIA
                       .030 In/Sec
                                        .064 G-s
      POH
                       .037 In/Sec
      POP
                       .032 G-s
      POV
                       .023 In/Sec
                                        .086 G-s
                       .030 In/Sec
      POA
                                        .048 G-s
MON168
       - A/B Booster Pump E
                                         (22-Jul-21)
                                      1K-20kHz
                     OVERALL LEVEL
                       .076 In/Sec
                                        .374 G-s
                                                        1020.0 RPM
      MOH
      MOP
                       .159 G-s
      MOV
                      .028 In/Sec
                                        .103 G-s
      MOA
                      .043 In/Sec
                                        .083 G-s
      MIH
                      .060 In/Sec
                                        .174 G-s
      MIP
                       .077 G-s
                                        .091 G-s
      MIV
                      .036 In/Sec
      MIA
                       .047 In/Sec
                                        .034 G-s
                      OVERALL LEVEL
                                       1K-20KHz
      PIH
                      .063 In/Sec
                                       .173 G-s
      PIP
                       .077 G-s
                       .035 In/Sec
      PIV
                                        .099 G-s
      PIA
                       .046 In/Sec
                                        .042 G-s
MON169 - A/B Booster Pump W
                                         (20-Aug-21)
                      OVERALL LEVEL
                                      1K-20kHz
      MOH
                       .038 In/Sec
                                        .346 G-s
                                                        1200.0 RPM
      MOP
                       .131 G-s
```

.028 In/Sec

.138 G-s

MOV

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MOA
                      .032 In/Sec
                                       .119 G-s
                       .032 In/Sec
      MIH
                                        .308 G-s
      MIP
                       .228 G-s
      MIV
                       .052 In/Sec
                                        .149 G-s
      MIA
                       .047 In/Sec
                                        .073 G-s
                      OVERALL LEVEL
                                       1K-20KHz
      PIH
                       .036 In/Sec
                                        .070 G-s
                       .047 G-s
      PIP
      PIV
                       .034 In/Sec
                                        .068 G-s
      PIA
                       .038 In/Sec
                                        .067 G-s
SAR03
        - Turb Comp Main Blower
                                         (19-Aug-21)
                      OVERALL LEVEL
      5
                                                        4836.0 RPM
                       .224 Mils
                       .218 Mils
      6
                       .236 Mils
      7
                       .302 Mils
      8
      9
                       .560 Mils
      10
                       .524 Mils
                       .522 Mils
      11
      12
                       .566 Mils
                       .020 Mils
      15
                       .025 Mils
      16
SAR10
          - Process Air Fan E
                                         (19-Aug-21)
                      OVERALL LEVEL
                                      1K-20kHz
      MOH
                       .312 In/Sec
                                        .303 G-s
                                                        1775.0 RPM
      MOP
                       .164 G-s
      MOV
                      .065 In/Sec
                                        .316 G-s
                                        .149 G-s
      MOA
                      .160 In/Sec
                                        .986 G-s
      MIH
                      .205 In/Sec
                       .590 G-s
      MIP
                                        .233 G-s
      MIV
                       .144 In/Sec
      MIA
                       .141 In/Sec
                                        .237 G-s
                      OVERALL LEVEL
                                       1K-20KHz
                      .373 In/Sec
      FIH
                                       3.697 G-s
                      2.016 G-s
      FIP
                      .209 In/Sec
      FIV
                                       2.131 G-s
                      .234 In/Sec
                                       1.020 G-s
      FIA
      FOH
                       .335 In/Sec
                                       2.279 G-s
      FOP
                      1.223 G-s
      FOV
                      .184 In/Sec
                                      1.467 G-s
      FOA
                       .251 In/Sec
                                       .810 G-s
SAR11
      - Recycle Fan W
                                         (19-Aug-21)
                                      1K-20kHz
                      OVERALL LEVEL
      MOH
                       .039 In/Sec
                                       .244 G-s
                                                        1775.0 RPM
      MOP
                       .103 G-s
                       .043 In/Sec
      MOV
                                        .167 G-s
                       .047 In/Sec
                                        .116 G-s
      MOA
      MIH
                       .023 In/Sec
                                        .742 G-s
                       .437 G-s
      MIP
                                        .288 G-s
      MIV
                      .044 In/Sec
      MIA
                       .045 In/Sec
                                        .160 G-s
                      OVERALL LEVEL
                                       1K-20KHz
      FIH
                      .014 In/Sec
                                        .130 G-s
                      .082 G-s
      FIP
```

```
.015 G-s
      FIV
                     .016 In/Sec
                     .018 In/Sec
                                      .015 G-s
      FIA
                      .386 In/Sec
      FOH
                                      .066 G-s
      FOP
                      .038 G-s
      FOV
                      .061 In/Sec
                                      .018 G-s
      FOA
                      .438 In/Sec
                                      .010 G-s
SAR12 - Recycle Fan E
                                       (19-Aug-21)
                     OVERALL LEVEL 1K-20kHz
      MOH
                     .032 In/Sec
                                      .117 G-s
                                                     1775.0 RPM
      MOP
                      .029 G-s
      MOV
                     .048 In/Sec
                                      .153 G-s
      MOA
                     .034 In/Sec
                                      .063 G-s
                     .032 In/Sec
      MIH
                                      .810 G-s
                     .460 G-s
      MIP
                     .041 In/Sec
      MIV
                                     .510 G-s
                                      .214 G-s
      MIA
                      .042 In/Sec
                     OVERALL LEVEL
                                    1K-20KHz
                     .022 In/Sec
      FIH
                                     .074 G-s
      FIP
                      .032 G-s
                     .015 In/Sec
                                     .069 G-s
      FIV
                      .022 In/Sec
                                      .055 G-s
      FIA
                     .026 In/Sec
                                      .152 G-s
      FOH
                     .045 G-s
      FOP
      FOV
                     .018 In/Sec
                                      .115 G-s
      FOA
                      .029 In/Sec
                                      .121 G-s
SAR13 - Combustion Air Fan E
                                       (19-Aug-21)
                    OVERALL LEVEL 1K-20kHz
      MOH
                     .071 In/Sec
                                      .612 G-s
                                                     1020.0 RPM
                      .408 G-s
      MOP
                     .040 In/Sec
                                      .761 G-s
      MOV
      MOA
                     .043 In/Sec
                                      .173 G-s
      MIH
                     .070 In/Sec
                                      .706 G-s
      MIP
                      .392 G-s
                      .058 In/Sec
                                      .509 G-s
      MIV
      MIA
                      .049 In/Sec
                                      .288 G-s
                     OVERALL LEVEL
                                    1K-20KHz
      FIH
                     .083 In/Sec
                                      .562 G-s
      FIP
                     .297 G-s
      FIV
                     .097 In/Sec
                                      .351 G-s
      FIA
                     .067 In/Sec
                                      .284 G-s
                     .093 In/Sec
                                      .567 G-s
      FOH
      FOP
                      .315 G-s
                                      .349 G-s
      FOV
                      .098 In/Sec
                      .074 In/Sec
      FOA
                                      .369 G-s
SAR14

    Combustion Air Fan W

                                      (19-Aug-21)
                                    1K-20kHz
                     OVERALL LEVEL
                                                     1020.0 RPM
      MOH
                      .113 In/Sec
                                     .813 G-s
                      .278 G-s
      MOP
                                     .452 G-s
      MOV
                      .070 In/Sec
      MOA
                     .054 In/Sec
                                      .230 G-s
      MIH
                     .108 In/Sec
                                     1.688 G-s
      MIP
                     .895 G-s
      MIV
                     .065 In/Sec
                                     .963 G-s
      MIA
                     .052 In/Sec
                                      .741 G-s
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OVERALL LEVEL 1K-20KHz
      FIH
                     .113 In/Sec
                                     .842 G-s
                     .484 G-s
      FIP
      FIV
                     .041 In/Sec
                                      .891 G-s
      FIA
                     .071 In/Sec
                                      .345 G-s
                     .126 In/Sec
      FOH
                                      .766 G-s
                     .552 G-s
      FOP
                     .059 In/Sec
      FOV
                                      .516 G-s
      FOA
                     .055 In/Sec
                                      .320 G-s
SAR15
       - Process Air Fan W
                                      (19-Aug-21)
                   OVERALL LEVEL 1K-20kHz
                                                     1180.0 RPM
      MOH
                     .066 In/Sec
                                     .392 G-s
                     .139 G-s
      MOP
                                     .453 G-s
      MOV
                     .051 In/Sec
                                     .241 G-s
                     .047 In/Sec
      MOA
                     .055 In/Sec
      MIH
                                     1.258 G-s
                     .409 G-s
      MIP
                                    .454 G-s
                     .051 In/Sec
      MIV
                     .045 In/Sec
      MIA
                                      .287 G-s
                                    1K-20KHz
                    OVERALL LEVEL
      FIH
                     .060 In/Sec
                                     .354 G-s
                     .209 G-s
      FIP
                                    .505 G-s
.737 G-s
      FIV
                     .033 In/Sec
                     .061 In/Sec
      FIA
      FOH
                     .065 In/Sec
                                    1.094 G-s
      FOP
                     .634 G-s
      FOV
                     .057 In/Sec
                                     .696 G-s
                     .030 In/Sec
      FOA
                                     .240 G-s
SAR37B - Interpass Twr Circ Pump S
                                      (20-Aug-21)
                   OVERALL LEVEL
                                     1K-20kHz
      MOH
                     .072 In/Sec
                                     1.635 G-s
                                                     1775.0 RPM
      MOP
                     .738 G-s
                                     .362 G-s
      MOV
                     .112 In/Sec
     MOA
                     .085 In/Sec
                                      .445 G-s
    * MIH
                     .078 In/Sec
                                    1.823 G-s
    * MIP
                     .832 G-s
                     .078 In/Sec
                                     .733 G-s
    * MIV
    * MIA
                     .069 In/Sec
                                     .242 G-s
SAR38
       - Drying Tower Pumpout
                                      (30-Aug-21)
                   OVERALL LEVEL 1K-20kHz
                     .072 In/Sec
                                     .214 G-s
                                                     3575.0 RPM
      MOH
                     .063 G-s
      MOP
      MOV
                     .177 In/Sec
                                     .085 G-s
                                     .086 G-s
      MOA
                     .155 In/Sec
                     .084 In/Sec
      MIH
                                      .257 G-s
      MIP
                     .059 G-s
                                    .035 G-s
                     .171 In/Sec
      MIV
      MIA
                     .150 In/Sec
                                      .043 G-s
                    OVERALL LEVEL
                                   1K-20KHz
                     .351 In/Sec
                                     .201 G-s
      PIH
      PIP
                     .059 G-s
                                    .181 G-s
      PIV
                     .125 In/Sec
      PIA
                     .239 In/Sec
                                     .064 G-s
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SAR39A	- Boiler	Feed H2O Pmp NW	(19-Aug-21)	
			1K-20kHz	
MOH		.029 In/Sec	.567 G-s	3575.0 RPM
MOP		.015 G-s		
MOV		.054 In/Sec	.174 G-s	
MOA		.079 In/Sec	.086 G-s	
MIH		.070 In/Sec	.360 G-s	
MIP		.059 G-s		
MIV		.055 In/Sec	.229 G-s	
MIA		.076 In/Sec	.177 G-s	
		OVERALL LEVEL		
PIH		.136 In/Sec	.665 G-s	
PIP		.174 G-s		
PIV		.102 In/Sec		
PIA		.083 In/Sec	.277 G-s	
POH		.144 In/Sec	.829 G-s	
POP		.152 G-s		
POV		.167 In/Sec	.347 G-s	
POA		.133 In/Sec	.338 G-s	
SAR39B	- Boiler	Feed H2O Pmp SW	(20-Jul-21)	
		OVERALL LEVEL	1K-20kHz	
MOH		.046 In/Sec		3575.0 RPM
MOP		.112 G-s		
MOV		.057 In/Sec	.543 G-s	
MOA		.038 In/Sec .053 In/Sec	2E0 C ~	
MIH		.053 In/Sec	1.491 G-s	
MIP		.135 G-s		
MIV		.031 In/Sec	.413 G-s 1.174 G-s	
MIA		.041 In/Sec	1.174 G-s	
		OVERALL LEVEL	1K-20KHz	
PIH		.057 In/Sec	.350 G-s	
PIP		.055 G-s		
PIV		.086 In/Sec		
PIA		.064 In/Sec	.200 G-s	
POH		.033 In/Sec	.347 G-s	
POP		.108 G-s		
POV		.058 In/Sec	.356 G-s	
POA		.068 In/Sec	.121 G-s	
SAR39C	- Boiler	Feed H2O Pmp NE	(03-Aug-21)	
		OVERALL LEVEL	1K-20kHz	
MOH		.246 In/Sec	.693 G-s	3575.0 RPM
MOP		.018 G-s		
MOV		.071 In/Sec	.298 G-s	
MOA		.054 In/Sec	.787 G-s	
MIH		.182 In/Sec	.560 G-s	
MIP		.021 G-s		
MIV		.095 In/Sec	.366 G-s	
MIA		.056 In/Sec	.077 G-s	
		OVERALL LEVEL	1K-20KHz	
PIH		.125 In/Sec	.372 G-s	
PIP		.025 G-s		
PIV		.112 In/Sec	.166 G-s	
PIA		.115 In/Sec	.176 G-s	
POH		.221 In/Sec	.992 G-s	
POP		.133 G-s		

POV	.103 In/Sec	.342 G-s	
POA	.069 In/Sec	.154 G-s	
SAR39D - Boi	iler Feed H2O Pmp SE	(19-Aug-21)	
	OVERALL LEVEL	1K-20kHz	
MOH	.080 In/Sec	1.954 G-s	3575.0 RPM
MOP	.074 G-s	224	
MOV	.074 G-s .061 In/Sec .034 In/Sec	.984 G-s	
MOA MIH	.034 In/Sec .045 In/Sec		
MIP	.045 In/sec	1.002 G-S	
MIV	.040 In/Sec	.437 G-s	
MIA	.052 In/Sec	.975 G-s	
	OVERALL LEVEL		
PIH	.024 In/Sec		
PIP	.080 G-s		
PIV	.033 In/Sec		
PIA	.024 In/Sec	.278 G-s	
POH	.026 In/Sec	.331 G-s	
POP	.107 G-s		
POV	.030 In/Sec	.283 G-s	
POA	.025 In/Sec	.153 G-s	
CADEOA _ D***	ring Town Cing Dump W	/02-3u _{~-} 21\	
SAKSUA - DI	ying Tower Circ Pump W OVERALL LEVEL	1K-20kHz	
МОН	.205 In/Sec	.762 G-s	1775.0 RPM
MOP	·		1770.0 14211
MOV	.072 G-s .295 In/Sec .099 In/Sec	.114 G-s	
MOA	.099 In/Sec	.067 G-s	
MIH	.116 In/Sec	.994 G-s	
MIP	.151 G-s		
MIV	.158 In/Sec		
MIA	.107 In/Sec	.238 G-s	
	OVERALL LEVEL	1K-20KHz	
* PIV	.129 In/Sec OVERALL LEVEL	.0021 G-s	
4 573			
* PIA	.783 In/Sec	.0024 G-S	
SARSOR - Drs	ying Tower Circ Pump E	(20T111-21)	
DIMOUD DI	OVERALL LEVEL		
MOH		1.016 G-s	1775.0 RPM
MOP	.539 G-s		
MOV	.107 In/Sec	.398 G-s	
MOA	.061 In/Sec	.170 G-s	
MIH	.038 In/Sec	.607 G-s	
MIP	.310 G-s		
MIV	.083 In/Sec	.135 G-s	
MIA	.069 In/Sec	.123 G-s	
+ 7077	OVERALL LEVEL	1K-20KHz	
* POV * POA	.108 In/Sec .192 In/Sec	.283 G-s .208 G-s	
" FOA	.192 111/ 500	.200 G-S	
SAR55A - Neu	tralization Pump N	(19-Aug-21)	
	OVERALL LEVEL	_	
MOH	.050 In/Sec	.770 G-s	3575.0 RPM
MOP	.354 G-s		
VOM	.187 In/Sec	.137 G-s	

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MOA
                     .117 In/Sec
                                       .261 G-s
                      .121 In/Sec
      MIH
                                       3.834 G-s
      MIP
                     2.761 G-s
      MIV
                      .118 In/Sec
                                       .812 G-s
      MIA
                       .115 In/Sec
                                        .648 G-s
                                       1K-20KHz
                     OVERALL LEVEL
                      .111 In/Sec
                                       .272 G-s
      PIH
                      .031 G-s
      PIP
      PIV
                      .067 In/Sec
                                       .118 G-s
      PIA
                      .055 In/Sec
                                       .101 G-s
SAR59A - Scrub Twr Circ Pmp W
                                        (19-Aug-21)
                                     1K-20kHz
                     OVERALL LEVEL
                      .033 In/Sec
                                       .337 G-s
                                                       1775.0 RPM
      MOH
      MOP
                      .175 G-s
                                       .126 G-s
      MOV
                      .045 In/Sec
                                       .246 G-s
      MOA
                      .030 In/Sec
      MIH
                      .029 In/Sec
                                       .392 G-s
      MIP
                      .276 G-s
                      .032 In/Sec
      MIV
                                       .146 G-s
      MIA
                      .027 In/Sec
                                       .175 G-s
                     OVERALL LEVEL
                                       1K-20KHz
                      .101 In/Sec
      PIH
                                       .491 G-s
      PIP
                      .287 G-s
      PIV
                      .073 In/Sec
                                       .361 G-s
      PIA
                      .092 In/Sec
                                       .233 G-s
      POH
                      .077 In/Sec
                                       .385 G-s
      POP
                      .203 G-s
                      .103 In/Sec
      POV
                                       .152 G-s
                      .114 In/Sec
                                       .112 G-s
      POA
SAR59B - Scrub Twr Circ Pmp M
                                        (19-Aug-21)
                     OVERALL LEVEL
                                     1K-20kHz
      MOH
                       .047 In/Sec
                                       .541 G-s
                                                       1775.0 RPM
      MOP
                       .179 G-s
      MOV
                       .060 In/Sec
                                       .261 G-s
      MOA
                      .067 In/Sec
                                       .101 G-s
                                       1.117 G-s
                      .055 In/Sec
      MTH
                      .946 G-s
      MIP
                                       .677 G-s
      MIV
                      .068 In/Sec
      MIA
                      .047 In/Sec
                                       .505 G-s
                     OVERALL LEVEL
                                       1K-20KHz
      PIH
                      .230 In/Sec
                                       .653 G-s
      PIP
                      .388 G-s
                                       .359 G-s
      PIV
                      .075 In/Sec
      PIA
                      .095 In/Sec
                                       .220 G-s
      POH
                      .171 In/Sec
                                       .451 G-s
      POP
                       .272 G-s
      POV
                       .101 In/Sec
                                       .241 G-s
                       .109 In/Sec
                                       .216 G-s
      POA
SAR59C - Scrub Twr Circ Pmp E
                                        (19-Aug-21)
                     OVERALL LEVEL
                                     1K-20kHz
      MOH
                      .021 In/Sec
                                       .197 G-s
                                                       1775.0 RPM
      MOP
                      .054 G-s
      MOV
                      .034 In/Sec
                                       .043 G-s
      MOA
                      .034 In/Sec
                                       .034 G-s
```

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MIH
                       .026 In/Sec
                                        .816 G-s
                       .305 G-s
      MIP
      MIV
                       .027 In/Sec
                                         .231 G-s
      MIA
                       .021 In/Sec
                                         .088 G-s
                      OVERALL LEVEL
                                        1K-20KHz
                       .087 In/Sec
      PIH
                                         .512 G-s
                       .290 G-s
      PIP
      PIV
                       .054 In/Sec
                                         .300 G-s
                                         .178 G-s
      PIA
                       .054 In/Sec
      POH
                       .082 In/Sec
                                         .448 G-s
                       .288 G-s
      POP
      POV
                       .063 In/Sec
                                         .226 G-s
      POA
                       .053 In/Sec
                                         .125 G-s
SAR54C
          - Weak Acid Xfer Pump S
                                         (19-Aug-21)
                     OVERALL LEVEL
                                        1K-20kHz
      MOH
                       .060 In/Sec
                                        .143 G-s
                                                         3575.0 RPM
      MOP
                       .025 G-s
      MOV
                       .045 In/Sec
                                         .124 G-s
      MOA
                       .083 In/Sec
                                         .066 G-s
      MIH
                       .081 In/Sec
                                         .157 G-s
                       .035 G-s
      MIP
                                        .088 G-s
                       .061 In/Sec
      MIV
      MIA
                       .088 In/Sec
                                         .064 G-s
                      OVERALL LEVEL
                                        1K-20KHz
      PIH
                       .149 In/Sec
                                        .809 G-s
      PIP
                       .027 G-s
      PIV
                       .109 In/Sec
                                        .295 G-s
                       .113 In/Sec
                                         .208 G-s
      PIA
SAR54B - Weak Acid Xfer Pump N
                                          (19-Aug-21)
                      OVERALL LEVEL
                                       1K-20kHz
      MOH
                       .390 In/Sec
                                         .311 G-s
                                                         3575.0 RPM
      MOP
                       .052 G-s
                       .357 In/Sec
                                         .262 G-s
      MOV
      MOA
                       .161 In/Sec
                                         .101 G-s
      MIH
                       .202 In/Sec
                                         .414 G-s
      MIP
                       .069 G-s
                       .141 In/Sec
                                         .298 G-s
      MIV
      MIA
                       .165 In/Sec
                                         .063 G-s
                      OVERALL LEVEL
                                        1K-20KHz
      PIH
                       .186 In/Sec
                                        .963 G-s
                       .219 G-s
      PIP
      PIV
                       .127 In/Sec
                                        1.404 G-s
      PIA
                       .132 In/Sec
                                        .699 G-s
SAR 56A - N Oleum Storage Tank Feed
                                         (20-Aug-21)
                      OVERALL LEVEL
                                        1K-20kHz
      M1H
                       .056 In/Sec
                                        .088 G-s
                                                         1775.0 RPM
                       .016 G-s
      M1P
                                         .035 G-s
      M1V
                       .055 In/Sec
                       .055 In/Sec
      M1A
                                         .028 G-s
      M2H
                       .065 In/Sec
                                         .298 G-s
      M2P
                       .151 G-s
      M2V
                       .036 In/Sec
                                         .070 G-s
      M2A
                       .052 In/Sec
                                        .046 G-s
                      OVERALL LEVEL
                                        1K-20KHz
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P1H
                        .070 In/Sec
                                          .105 G-s
                        .064 G-s
      P1P
      P1V
                        .043 In/Sec
                                          .058 G-s
      P1A
                        .050 In/Sec
                                          .041 G-s
      P2H
                        .056 In/Sec
                                          .067 G-s
                        .032 G-s
      P2P
      P2V
                        .048 In/Sec
                                          .059 G-s
      P2A
                        .054 In/Sec
                                          .040 G-s
SAR 56B
          - M Oleum Storage Tank Feed
                                          (20-Aug-21)
                      OVERALL LEVEL
                                         1K-20kHz
      M1H
                        .115 In/Sec
                                         .383 G-s
                                                          1775.0 RPM
      M1P
                       .072 G-s
      M1V
                       .156 In/Sec
                                          .054 G-s
      M1A
                        .101 In/Sec
                                          .077 G-s
                                          .275 G-s
      M2H
                       .092 In/Sec
                        .133 G-s
      M2P
      M2V
                        .100 In/Sec
                                          .101 G-s
      M2A
                        .080 In/Sec
                                          .064 G-s
                      OVERALL LEVEL
                                         1K-20KHz
      P1H
                       .119 In/Sec
                                         .218 G-s
                       .178 G-s
      P1P
                       .046 In/Sec
      P1V
                                         .136 G-s
      P1A
                       .083 In/Sec
                                         .067 G-s
      P2H
                       .051 In/Sec
                                          .121 G-s
      P2P
                       .050 G-s
      P2V
                       .055 In/Sec
                                          .077 G-s
      P2A
                        .049 In/Sec
                                          .026 G-s
SAR 56C - S Oleum Storage Tank Feed
                                           (20-Aug-21)
                      OVERALL LEVEL
                                        1K-20kHz
                        .034 In/Sec
                                         .192 G-s
                                                          1775.0 RPM
      M1H
      M1P
                        .082 G-s
      M1V
                        .043 In/Sec
                                          .467 G-s
                        .022 In/Sec
                                          .066 G-s
      M1A
                        .126 In/Sec
      M2H
                                          .224 G-s
                        .179 G-s
      M2P
                       .056 In/Sec
                                         .234 G-s
      M2V
                                         .104 G-s
      M2A
                       .085 In/Sec
                       OVERALL LEVEL
                                         1K-20KHz
      P1H
                       .108 In/Sec
                                         .118 G-s
      P1P
                       .057 G-s
                       .041 In/Sec
                                         .072 G-s
      P1V
      P1A
                       .027 In/Sec
                                          .066 G-s
      P2H
                        .059 In/Sec
                                          .218 G-s
                        .173 G-s
      P2P
      P2V
                        .028 In/Sec
                                          .189 G-s
      P2A
                        .026 In/Sec
                                          .042 G-s
                                          (30-Aug-21)
SAR57A
           - Oleum Twr Circ Pump W
                      OVERALL LEVEL
                                         1K-20kHz
                        .102 In/Sec
                                         .817 G-s
                                                          1775.0 RPM
      MOH
                        .247 G-s
      MOP
      MOV
                       .072 In/Sec
                                         .216 G-s
      MOA
                       .111 In/Sec
                                         .264 G-s
      MIH
                       .081 In/Sec
                                         1.304 G-s
```

.338 G-s

MIP

MIV		.140 In/Sec	2.133 G-s	
MIA		.100 In/Sec	1.025 G-s	
SAR57B	- Oleum	Twr Circ Pump E	(20-Aug-21)	
		OVERALL LEVEL	1K-20kHz	
MOH		.208 In/Sec	.286 G-s	1775.0 RPM
MOP		.125 G-s	.200 0 5	1773.0 RIH
MOV		.059 In/Sec	.107 G-s	
MOA		.226 In/Sec	.087 G-s	
MIH		.054 In/Sec	.397 G-s	
MIP		.223 G-s		
MIV		.058 In/Sec	.095 G-s	
MIA		.069 In/Sec	.160 G-s	
SAR61NM	- Spent	Acid Circ Pmp N	(21-Jul-21)	
		OVERALL LEVEL	1K-20kHz	
MIH		.013 In/Sec	.545 G-s	1775.0 RPM
MIP		.261 G-s		
MIV		.022 In/Sec	205 G-s	
MIA		.036 In/Sec	.116 G-s	
MIA	•			
		OVERALL LEVEL	1K-20KHz	
PIH		.018 In/Sec	.128 G-s	
PIP		.027 G-s		
PIV	•	.032 In/Sec	.087 G-s	
PIA		.086 In/Sec	.127 G-s	
SAR63EM	- Spent	Acid Feed Pmp E	(20-Aug-21)	
		OVERALL LEVEL		
MOH		.041 In/Sec	.258 G-s	3575.0 RPM
MOP		.087 G-s		
MOV		.040 In/Sec	.148 G-s	
MOA		.109 In/Sec	.075 G-s	
MIH		.046 In/Sec	.360 G-s	
			.300 G-S	
MIP		.103 G-s	110 0	
MIV		.053 In/Sec	.110 G-s	
MIA	•	.104 In/Sec	.060 G-s	
		OVERALL LEVEL	1K-20KHz	
PIH	•	.087 In/Sec	1.181 G-s	
PIP	1	.032 G-s		
PIV		.109 In/Sec	.593 G-s	
PIA		.089 In/Sec	.676 G-s	
POH		.079 In/Sec	.944 G-s	
POP		.054 G-s		
POV		.088 In/Sec	.712 G-s	
POA		.080 In/Sec	.384 G-s	
2 02.	-	.000 111, 500	.501 0 5	
CADCAM	Cmant	Acid Feed Pmp W	(20-Aug-21)	
SAR63WM	- spent	•	_	
		OVERALL LEVEL	1K-20kHz	2575 0 55%
			.210 G-s	3575.0 RPM
MOH		.053 In/Sec		
MOP	1	.0049 G-s		
MOP MOV		.0049 G-s .039 In/Sec	.043 G-s	
MOP		.0049 G-s .039 In/Sec .033 In/Sec	.043 G-s .109 G-s	
MOP MOV	•	.0049 G-s .039 In/Sec	.043 G-s	
MOP MOV MOA	•	.0049 G-s .039 In/Sec .033 In/Sec	.043 G-s .109 G-s	
MOP MOV MOA MIH	•	.0049 G-s .039 In/Sec .033 In/Sec .068 In/Sec	.043 G-s .109 G-s	
MOP MOV MOA MIH MIP MIV		.0049 G-s .039 In/Sec .033 In/Sec .068 In/Sec .015 G-s .032 In/Sec	.043 G-s .109 G-s .909 G-s	
MOP MOV MOA MIH MIP		.0049 G-s .039 In/Sec .033 In/Sec .068 In/Sec .015 G-s	.043 G-s .109 G-s .909 G-s	

	PIH		.054 I	n/Sec	.289	G-s		
	PIP		.039 G	-s				
	PIV		.055 I	n/Sec	.287	G-s		
	PIA		.043 T	n/Sec	.107	G-s		
				,				
SAR66A		- Vertical	Cool Twr	Dump #1	(02-	-Aug-21)		
SAROUA		- Vertical	COOT IWI	rump mr	112-201	-Aug-21) cHz G-s		
	MOIT		OVERALL	- /C	171	C -	110F 0 D	D14
					.1/1	G-S	1195.0 K	ЬM
	MOP		.076 G					
	MOV		.135 I	n/Sec n/Sec	.212 .207	G-s		
	MOA		.183 I	n/Sec	.207	G-s		
	MIH		.055 I	n/Sec	.719	G-s		
	MIP		.395 G					
	MIV		.425 I	n/Sec n/Sec	.371	G-s		
	MIA		.052 I	n/Sec	.303	G-s		
SAR66B		- Vertical	Cool Twr	Pump #2	(02-	-Αυσ-21)		
5121002			OVERALL.	T.EVET.	1K-201	5, :H2		
	мон					G-s	1195 N D	DΜ
	MOP		.067 G		.133	G-5	1195.0 K	E IM
					405	~		
	MOV		.457 1	n/Sec	.137	G-s		
	MOA			n/Sec				
	MIH			n/Sec	.092	G-s		
	MIP		.049 G					
	MIV		.211 I	n/Sec	.094	G-s		
	MIA		.195 I	n/Sec	.048	G-s		
SAR66C		- Vertical	Cool Twr	Pump #3	(02-	-Aug-21)		
			OVERALL	LEVEL	1K-201	rHz		
	мон					G-s	1195 N D	DΜ
	MOP		.052 G		.100	G 5	1133.0 K	- 1-1
					071	0 -		
	MOV		.262 1	n/Sec	.071	G-s		
	MOA		.178 1	n/Sec	.039			
	MIH		.183 I		.047	G-s		
	MIP		.028 G					
	MIV		.090 I	n/Sec	.053	G-s		
	MIA		.139 I	n/Sec	.026			
SAR66D		- Vertical	Cool Twr	Pump #4	(02-	-Aug-21)		
			OVERALL	LEVEL	1K-201	cHz		
	MOH		.209 I	n/Sec	.109	G-s	1195.0 R	РМ
	MOP		.056 G	•				
	MOV			n/Sec	152	C-2		
	MOA		.150 1	n/Sec n/Sec	.044	G-S		
	MIH				.065	G-s		
	MIP		.033 G					
	MIV		.078 I	n/Sec	.071			
	MIA		.111 I	n/Sec	.037	G-s		
CADCCE		_ Wortical	Cool Twr	Pump #5	(02-	-Aug-21)		
SAKOOL		- verticar			177 001	_77_		
SAROGE		- Verticar	OVERALL	LEVEL	TV-501	CHZ		
SAROGE	мон	- Verticar					1195.0 R	PM
SAROOL	мон	- Verticar	.103 I	n/Sec		G-s	1195.0 R	PM
SAROGE	MOH MOP	- Verticar	.103 I	n/Sec -s	.289	G-s	1195.0 R	PM
SAROGE	MOH MOP MOV	- Verticar	.103 I: .110 G .246 I:	n/Sec -s n/Sec	.289 1.393	G-s G-s	1195.0 R	P M
SAROGE	MOH MOP MOV MOA	- Vertical	.103 I: .110 G .246 I: .244 I:	n/Sec -s n/Sec n/Sec	.289 1.393 .419	G-s G-s G-s	1195.0 R	PM
SAROGE	MOH MOP MOV	- Vertical	.103 I: .110 G .246 I: .244 I:	n/Sec -s n/Sec n/Sec n/Sec	.289 1.393	G-s G-s G-s	1195.0 R	P M

MTS		125 T-/G	255 0 -	
MIV		.125 In/Sec .189 In/Sec		
MIA		.189 In/Sec	.253 G-S	
SAR78A	- Cod	oling Tower Fan #1	(02-Aug-21)	
		OVERALL LEVEL		
MOH	ı	.196 In/Sec		1775.0 RPM
MOP		.165 G-s	.570 0 5	1773.0 11211
MOV		.367 In/Sec	.320 G-s	
MOA		.386 In/Sec		
MIH		.097 In/Sec	.540 G-s	
MIP		.364 G-s	.510 5 5	
MIV		.299 In/Sec	247 G-s	
MIA		.412 In/Sec		
	-			
SAR78B	- Cod	oling Tower Fan #2	(02-Aug-21)	
		OVERALL LEVEL	1K-20kHz	
MOH	i	.076 In/Sec	.754 G-s	1775.0 RPM
MOP	•	.463 G-s		
MOV	•	.061 In/Sec	.206 G-s	
MOA		.177 In/Sec	.115 G-s	
MIH	i	.093 In/Sec	1.335 G-s	
MIP	•	.153 G-s		
MIV	•	.107 In/Sec	.160 G-s	
MIA		.165 In/Sec	.203 G-s	
SAR78C	- Cod	oling Tower Fan #3	(02-Aug-21)	
		OVERALL LEVEL	1K-20kHz	
MOH	Ī	.091 In/Sec	.627 G-s	1775.0 RPM
MOP	•	.387 G-s		
MOV	,	.103 In/Sec	.416 G-s	
MOA		.218 In/Sec	.196 G-s	
MIH	I	.099 In/Sec	1.406 G-s	
MIP	•	.264 G-s		
MIV	,	.153 In/Sec	.598 G-s	
MIA		.169 In/Sec	.260 G-s	
SAR78D	- Cod	oling Tower Fan #4	(02-Aug-21)	
		OVERALL LEVEL		
MOH		.110 In/Sec	.540 G-s	1775.0 RPM
MOP		.359 G-s		
MOV		.151 In/Sec	.254 G-s	
MOA		.289 In/Sec		
MIH		.093 In/Sec	.548 G-s	
MIP		.381 G-s		
MIV		.379 In/Sec		
MIA		.288 In/Sec	.220 G-s	
SAR127	_ Fi	nal Twr Pumpout Drain P	mp (30-Aug-21)	
		OVERALL LEVEL	1K-20kHz	
MOH	i	.127 In/Sec	.398 G-s	1775.0 RPM
MOP		.066 G-s		= 7
MOV		.019 In/Sec	.150 G-s	
MOA		.129 In/Sec	.120 G-s	
MIH		.018 In/Sec	.448 G-s	
MIP		.148 G-s	• •	
MIV		.029 In/Sec	.114 G-s	
MIA		.019 In/Sec	.175 G-s	
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	OVERALL LEVEL	1K-20KHz	
PIH	.054 In/Sec	.060 G-s	
PIP	.034 G-s		
PIV	.023 In/Sec	.123 G-s	
PIA	.032 In/Sec	.052 G-s	
	,		
SAR128 -	Oleum Fume Scrub Blwr	(20-Aug-21)	
DIMITEO	OVERALL LEVEL	1K-20kHz	
MIH	.045 In/Sec	.484 G-s	3575.0 RPM
	-	.404 G-S	3575.0 RPM
MIP	.053 G-s	440 -	
MIV	.048 In/Sec	.148 G-s	
MIA	.056 In/Sec	.045 G-s	
	OVERALL LEVEL	1K-20KHz	
FIH	.046 In/Sec	.318 G-s	
FIP	.022 G-s		
FIV	.037 In/Sec	.308 G-s	
FIA	.042 In/Sec	.127 G-s	
FOH	.074 In/Sec	.693 G-s	
FOP	.103 G-s		
FOV	.072 In/Sec	.386 G-s	
FOA	.104 In/Sec	.189 G-s	
FOA	.104 III/ Sec	.109 G-S	
CAD12E	Court Baid Cina Down E	(20 3 21)	
SARI35 -	- Spent Acid Circ Pmp E	(20-Aug-21)	
	OVERALL LEVEL		4888 4 888
MOH	.033 In/Sec	.158 G-s	1775.0 RPM
MOP	.083 G-s		
VOM	.037 In/Sec	.142 G-s	
MOA	.069 In/Sec	.040 G-s	
MIH	.047 In/Sec	.205 G-s	
MIP	.109 G-s		
MIV	.054 In/Sec	.045 G-s	
MIA	.057 In/Sec	.043 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.039 In/Sec	.176 G-s	
PIP	.126 G-s	.1.0 0 0	
PIV	.030 In/Sec	.121 G-s	
	·		
PIA	.024 In/Sec	.079 G-s	
POH	.039 In/Sec	.203 G-s	
POP	.130 G-s		
POV	.030 In/Sec	.122 G-s	
POA	.024 In/Sec	.085 G-s	
SAR137A -	- Contain Pit Pump N	(20-Aug-21)	
	OVERALL LEVEL	1K-20kHz	
MOH	.080 In/Sec	.297 G-s	1775.0 RPM
MOP	.078 G-s		
MOV	.259 In/Sec	.156 G-s	
MOA	.211 In/Sec	.114 G-s	
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SAR156 -	- Spent Acid Feed Booster N	(20-Aug-21)	
	OVERALL LEVEL	1K-20kHz	
MIH	.045 In/Sec	.248 G-s	1180.0 RPM
	.120 G-s	.240 G-S	IIOO.O REM
MIP		006 0 -	
MIV	.063 In/Sec	.086 G-s	
MIA	.044 In/Sec	.120 G-s	
	OVERALL LEVEL	1K-20KHz	
PIH	.228 In/Sec	.058 G-s	

	PIP		.028	G-s						
	PIV		.036	In/Sec		.039	G-s			
	PIA		.106	In/Sec In/Sec		.069	G-s			
SAR157		- Spent Ac	id Feed	Booster	s	(21-	-Jul-21)			
	MIH		.054	In/Sec		.194	G-s		1020.0	RPM
	MIP			G-s						
	MIV			In/Sec						
	MIA			In/Sec						
			OVERAI	LL LEVEL						
	PIH			In/Sec		.118	G-s			
	PIP			G-s			_			
	PIV		.036	In/Sec		.078	G-s			
	PIA		.062	In/Sec		.102	G-s			
CAD161A		- N SAR Co	ol Twr I	Tan W		(03-	- X 1107-21 \			
SHILOTH	•	N DAK CC	OVERAI	LL LEVEL		1K-20k	Hug 21)			
	мон		096	In/Sec		621	G-s		1775 0	RPM
	MOP		.196			.021	0 0	•	1773.0	11111
	MOV			In/Sec		485	G-s			
	MOA		313	In/Sec		.139	G-8			
	MIH		157	In/Sec		1 174	G-8			
	MIP			G-s		_,_,_	0 0			
	MIV		185	In/Sec		515	G-8			
	MIA		316	In/Sec In/Sec		259	G-s			
			.510	211, 500		.200				
SAR161B	3	- N SAR Co	ol Twr E	an Middl	Le	(03-	-Aug-21)			
		- N SAR Co	OVERAI	LL LEVEL		1K-20k	cHz			
	MOH		.126	In/Sec		1.000	G-s	:	1775.0	RPM
	MOP		.297	G-s						
	MOV		.160	In/Sec		.393	G-s			
	MOA		.127	In/Sec		.171	G-s			
	MIH		.130	In/Sec		.992	G-s			
	MIP		.143							
	MIV		.152	In/Sec		.332	G-s			
	MIA		.156	In/Sec		.226	G-s			
	_			_						
SAR161C	;	- N SAR Co	ol Twr I	fan E		-03	-Aug-21)			
				LL LEVEL					1775 0	D D14
	MOH			In/Sec		.348	G-s	•	1//5.0	RPM
	MOP		.117			110	a -			
	MOV			In/Sec						
	MOA			In/Sec In/Sec		.061 .412				
	MIH MIP		.179			.412	G-S			
	MIV			G-S In/Sec		155	C-0			
	MIA			In/Sec In/Sec		.155 .150				
	MIA		.240	III/ Sec		.150	G-S			
SAR222		- Oleum Tw	r Drain	Pmp		(30-	-Aug-21)			
				LL LEVEL		1K-20k				
	мон			In/Sec		. 473		:	3575.0	RPM
	MOP		.013	-		_			•	
	MOV			In/Sec		. 951	G-s			
	MOA			In/Sec		. 693				
	MIH		.048	In/Sec		.514				
	MIP		.017	G-s						

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.101 In/Sec
                                   .560 G-s
      MIV
                     .064 In/Sec
      MIA
                                     .253 G-s
                   OVERALL LEVEL 1K-20KHz
      PIH
                     .203 In/Sec
                                    3.247 G-s
      PIP
                     .014 G-s
                                    1.417 G-s
                     .181 In/Sec
      PIV
     * POH
                     .157 In/Sec
                                   2.925 G-s
     * POP
                     .018 G-s
                     .150 In/Sec
     * POV
                                   2.260 G-s
                     .140 In/Sec
                                   1.249 G-s
      POA
SAR231A - Final Twr Circ Pump N
                                     (20-Jul-21)
                    OVERALL LEVEL 1K-20kHz
.157 In/Sec .820 G-s
      MOH
                                   .820 G-s
                                                   1775.0 RPM
                     .366 G-s
      MOP
                                   .105 G-s
.271 G-s
                     .155 In/Sec
      MOV
                     .042 In/Sec
      MOA
      MIH
                     .109 In/Sec
                                    .442 G-s
      MIP
                     .268 G-s
                                   .152 G-s
                     .106 In/Sec
.040 In/Sec
      MIV
      MIA
                                    .112 G-s
SAR233 - InterpassTwr Drain Pmp1 (08-Mar
OVERALL LEVEL 1K-20KHz
                                     (08-Mar-21)
     * POH
                     .034 In/Sec
                                    .181 G-s
                                                   3575.0 RPM
     * POP
                     .015 G-s
     * POV
                     .030 In/Sec
                                    .202 G-s
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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