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November 20, 2024

Terry Glover USG-Greenville Greenville, MS

Terry,

The following is a summary of findings from the September 2024 monthly vibration survey at the USG Greenville, MS Plant.

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.

Class IV; Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs

Hi-Speed **Industrial Service** tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

Defects

Perlite

#5 Combustion Blower

A high sub-synchronous vibration remains in the motor axial. Amplitude was lower this survey but still remains high at .75 ips-pk. Check belts and sheaves for wear and misalignment soon. DE fan bearing data is also showing signs of bearing defects/wear in the higher frequency range of the spectrum. Check fan bearings also. Rated as a **CLASS II** defect.

#8 Combustion Blower

Machine was not in service during survey; however, the following most likely still applies: 1/3 rpm harmonics are present in the fan spectra. This signifies looseness of the fits I(likely shaft or bearing fit wear). Check fan bearings/shaft for looseness and wear as scheduling allows. Rated as a **CLASS II** defect.

#5 Expander Dust Collector

Motor and fan both have high vibration at fan speed. This may be due to fan imbalance but could also be a sheave or base issue. Check sheave alignment ensuring sheaves are aligned properly for offset and angularity. Check face runout on motor sheave. There should not be no more than .003" face run-out. Check all fasteners and ensure motor base is not defective. Inspect fan wheel for build-up and signs of damage. Rated as a **CLASS II** defect.

#7 Expander Dust Collector

Fan has high vibration. The fan shaft is bent at the ODE fan bearing. The fan also has warped bladed and a warped backplate. Fan needs attention very soon. Rated as a **HIGH CLASS III** defect.

Hydropulper

Machine was not in service during survey; however, the following most likely still applies: Gearbox and motor have elevated vibration. Gearbox spectral data shows gear mesh harmonics with sidebands of output rpm indicating wear in the gearbox. There may also be an issue with the fluid coupling assembly. Gearbox and coupling assembly should be inspected as scheduling allows. Rated as a CLASS II defect.

Mix-up/Reclaim

#1 White Water Loop Pump

Motor data shows signs of bearing defects. Motor will need attention in the next few months. Rated as a **CLASS II** defect.

Beater Tank Transfer Pump

Motor was not running this survey; however, the following likely still applies: The motor data shows motor to have bearing defects. There are two pumps by the beater. This motor is the newer looking motor with the newer pump. Motor needs to swapped out as time allows. Rated as a **CLASS II** defect.

Fiberglass

#1 Oven Circ. Fan

The motor and fan inboard side has high vibration at fan speed. This may be due to some type of sheave issue and/or structural flexibility. Inspect sheaves and belts soon. Ensure sheaves do not have face run-out and offset and angularity alignment is good. Ensure belts are tensioned properly. Rated as **CLASS II** defect.

#2 Oven Circ Fan

NEW SHAFT GUARD NEEDS TO BE MODIFIED TO GAIN ACCESS TO FAN BEARINGS. Data shows some 1, 2, and 3 x rpm vibrations present in the fan. The motor also has high vibration at 1 x fan rpm. Fan bearing fits may be bad and fan shaft may be bent and or worn. Fan may also have some imbalance due to build-up on fan blades. Rated as a **CLASS II** defect.

Board Line 3

Vacuum Pump MOTORS (2, and 3)

We are still seeing some mid to high frequency noise floor in the motor spectra on the vac pump motors. This issue appears to be stable; however, we suspect possible fluting of the motor bearings may be starting to develop. This is a common issue with AC motors being operated by VFD's that do not having grounding protection. We recommend installing an Aegis Grounding ring inside the motor at the drive end and installing an insulated bearing on the outboard end of the motor. **Rated as CLASS I defect.**

Wet End Combustion Blower

Blower bearings are trending upward on defect frequency vibration. Acceleration has had a steady increase in amplitude. These are signs of bearing defects/wear. Bearings should be scheduled for replacement as soon as scheduling allows. Rated as a **CLASS II** defect.

Wet End Circulation Fan

Fan has some slight 1 x rpm vibration likely due to fan imbalance or shaft run out. A trim balance may be needed at some point; however, amplitudes are low at this time. Rated as a **CLASS I** defect.

Finishing

Finishing Grinder #1

Motor and grinder IB bearing has elevated vibration. Spectral data shows looseness likely present in grinder. Check drive end grinder bearing and bearing housing for looseness. Ensure all fasteners are tight. Rated as a **CLASS II** defect.

Blue Oven 1 Zone 1 Circulation Fan 1

Fan end fan bearing (outboard) data is showing signs of defects/wear. Motor and fan also have some 1 x rpm vibrations. Fan bearings will need attention soon. Also, ensure sheaves are aligned properly and belts are in good shape and properly tightened. Rated as a **CLASS II** defect.

Blue Oven 1 Zone 1 Circulation Fan 2

Fan end fan bearing (outboard) data is showing signs of defects/wear. Motor and fan also have some 1 x rpm vibrations. Fan bearings will need attention soon. Also, ensure sheaves are aligned properly and belts are in good shape and properly tightened. Rated as a **CLASS II** defect.

Blue Oven 1 Zone 2 Circulation Fan 1 and 2

Motor and fan vibrations remain high at well over 1.2 inches/second peak velocity. Vibration is at fan speed in the motor and fan. This may be due to build-up on the fan. Inspect fan wheel for build-up and damage ASAP. Inspect sheaves and belts as well. Ensure fan bearings have adequate grease. Rated as a **CLASS III** defect.

#1 Finishing Baghouse Dust Collector

Fan data still shows some 1 x rpm vibration with a small 2 and 3 x rpm vibration. Fan bearing fits and or shaft may have some wear. Fan likely has imbalance as well. Rated as a **CLASS II** defect.

#3 Finishing Baghouse Dust Collector

Vertical data of the motor and fan also indicate some possible drivetrain issues such as sheave misalignment and or belt issues. For now, inspect, sheaves and belts as scheduling allows. Ensure sheaves do not have face run-out and are aligned to spec. Check base springs to ensure they are in good shape and set properly. Rated as a **CLASS II** defect.

Abbreviated Last Measurement Summary

Database: USG.rbm Area: PERLITE

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
B2EXD02FAN - #5 COMBUSTION	BLOWER	(19-Nov-24)
	OVERALL LEVE	L 1K-20KHz
MOH	.259 In/Sec	.261 G-s
MOV	.648 In/Sec	.062 G-s
MIH	.186 In/Sec	.192 G-s
MIV	.430 In/Sec	.042 G-s
MIA	.752 In/Sec	.030 G-s
BIH	.683 In/Sec	1.410 G-s
BIV	.375 In/Sec	.346 G-s
BIA	.409 In/Sec	.172 G-s
вон	.547 In/Sec	1.327 G-s
BOV	.572 In/Sec	.381 G-s
B2EXD06FAN - #6 COMBUSTION	BLOWER	(19-Nov-24)
		L 1K-20KHz
MOH	.068 In/Sec	.253 G-s
MOV	.174 In/Sec	.141 G-s
MIH		.306 G-s
MIV	.186 In/Sec	.065 G-s
MIA	.136 In/Sec	.084 G-s
він	.240 In/Sec	1.103 G-s
BIV	.117 In/Sec	.130 G-s
BIA	.241 In/Sec	.117 G-s
вон	.195 In/Sec	.968 G-s
BOV	.086 In/Sec	.137 G-s

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B2EXD02-5 - #5 EXPANDER DUST COLLECTOR (19-Nov-24)
                            OVERALL LEVEL 1K-20KHz
                                             .638 G-s
                             .433 In/Sec
      MOH
                             .437 In/Sec
                                              .167 G-s
      MOV
                             .403 In/Sec 1.022 G-s
.353 In/Sec .233 G-s
      MTH
                                            .233 G-s
      MIV
                             .063 In/Sec
      MIA
                                              .219 G-s
                             .336 In/Sec
                                            1.615 G-s
      FIH
                                             .787 G-s
      FIV
                             .169 In/Sec
                             .155 In/Sec
      FIA
                                              .241 G-s
B2EXD0306 - #6 EXPANDER DUST COLLECTOR (19-Nov-24)
                            OVERALL LEVEL 1K-20KHz
                             .056 In/Sec 1.280 G-s
      MOH
                             .066 In/Sec .474 G-s
.074 In/Sec 1.322 G-s
.051 In/Sec .403 G-s
      MOV
      MIH
                                             .403 G-s
      MIV
                             .059 In/Sec
                                               .565 G-s
      MIA
                             .121 In/Sec
                                            2.235 G-s
      FIH
                                             .491 G-s
                             .191 In/Sec
      FIV
                             .104 In/Sec .287 G-s
.161 In/Sec .661 G-c
                             .177 In/Sec
      FIA
      FOH
      FOV
        Area: MIX UP/RECLAIM
MEASUREMENT POINT
                           OVERALL LEVEL HFD / VHFD
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                            -----
1WWLOOPPMP - #1 WHITE WATER LOOP PUMP (19-Nov-24)
                            OVERALL LEVEL 1K-20KHz
      MOH
                             .510 In/Sec
                                             1.581 G-s
      MOV
                             .527 In/Sec
                                             .579 G-s
      MIH
                             .574 In/Sec
                                             2.740 G-s
                                             .479 G-s
.495 G-s
                             .554 In/Sec
      VIM
      MIA
                             .219 In/Sec
                             .153 In/Sec
                                             .215 G-s
      PIH
                             .093 In/Sec
                                             .070 G-s
      PIV
                                             .084 G-s
                             .204 In/Sec
      PIA
      POH
                             .160 In/Sec .176 G-s
                                              .062 G-s
      POV
                             .164 In/Sec
2WWLOOPPMP - #2 WHITE WATER LOOP PUMP (19-Nov-24)
                            OVERALL LEVEL 1K-20KHz
      MOH
                             .176 In/Sec
                                              .575 G-s
                             .238 In/Sec
                                              .324 G-s
      MOV
                             .121 In/Sec
                                              .656 G-s
      MTH
                             .147 In/Sec
      MIV
                                              .044 G-s
                             .143 In/Sec
      MIA
                                              .024 G-s
WWMIXUPPMP - WHITE WATER MIX-UP PUMP (08-Oct-24)
                            OVERALL LEVEL 1K-20KHz
                             .364 In/Sec
                                             .694 G-s
      MOH
                                              .212 G-s
                             .224 In/Sec
      MOV
                             .246 In/Sec
                                             .771 G-s
      MIH
                             .303 In/Sec
                                             .226 G-s
      MIV
                                             .184 G-s
                             .329 In/Sec
      MIA
                                             .302 G-s
.072 G-s
.064 G-s
.234 G-s
      PIH
                             .100 In/Sec
                             .145 In/Sec
      PIV
                             .102 In/Sec
      PIA
                             .100 In/Sec
      POH
                                           .231
.078 G-s
      POV
                             .117 In/Sec
B2WEL1PMP1 - #1 EAST WELL WATER PUMP (08-Oct-24)
                            OVERALL LEVEL 1K-20KHz
                                             .301 G-s
                             .190 In/Sec
      MOH
                             .160 In/Sec .125 G-s
.291 In/Sec 1.338 G-s
.426 In/Sec .311 G-s
      MOV
      MTH
      MTV
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MIA	.280 In/Sec	.377 G-s
PIH	.055 In/Sec	.815 G-s
PIV	.046 In/Sec	.241 G-s
PIA	.164 In/Sec	.191 G-s
POH	.143 In/Sec	1.302 G-s
POV	.105 In/Sec	.177 G-s

Area: FIBERGLASS

Area: F	IBERGLASS	
MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
F1T1DCRFAN - FIBERGLAS	SS DC FAN NEW LINE (1	
	OVERALL LEVEL	
MOH	.078 In/Sec	
MOV	.073 In/Sec	
MIH	.081 In/Sec	.312 G-s
MIV	.074 In/Sec	.078 G-s
MIA	.090 In/Sec .050 In/Sec .074 In/Sec	.055 G-s
FIH	.050 In/Sec	.273 G-s
FIV	.074 In/Sec	
FIA	.120 In/Sec	.057 G-s .239 G-s
FOH FOV	.060 In/Sec .084 In/Sec	.239 G-s .115 G-s
1PPDEF - 1ST PASS	PAINT DRY EXH FAN (1	
	OVERALL LEVEL	1K-20KHz
MOH	.064 In/Sec	
MOV	.048 In/Sec	.034 G-s
MIH	.048 In/Sec .058 In/Sec .050 In/Sec	.115 G-s .035 G-s
MIV	.050 In/Sec	.035 G-s
MIA	.046 In/Sec	.020 G-s
FIH	.072 In/Sec	.365 G-s
FIV	.059 In/Sec	.135 G-S
FIA	.226 In/Sec	
FOH	.053 In/Sec	
FOV	.082 In/Sec	.100 G-s
F1T1EDG41M - 2ND PASS	PAINT DRYING EX FAN (1	
	OVERALL LEVEL .111 In/Sec	1K-20KHz
MOH		
MOV	.175 In/Sec	.067 G-s
MIH	.126 In/Sec	.123 G-s
MIV	.244 In/Sec	.059 G-s
MIA	.065 In/Sec	
FIH	.065 In/Sec	.415 G-s
FIV	.075 In/Sec	.155 G-s
FIA	.258 In/Sec	.138 G-s
FOH	.065 In/Sec	
FOV	.073 In/Sec	.162 G-s
1FOCF - #1 OVEN C	-	9-Nov-24)
	OVERALL LEVEL	1K-20KHz
MOH	.153 In/Sec	.155 G-s
MOV	.979 In/Sec	.053 G-s
MIH	.352 In/Sec	.347 G-s
MIV	1.461 In/Sec	.107 G-s
MIA	.414 In/Sec	.062 G-s
FIH	.254 In/Sec 1.213 In/Sec	.586 G-s
FIV		.109 G-s
FIA	.553 In/Sec	.088 G-s
FOH	.148 In/Sec .560 In/Sec	1.396 G-s
FOV	.500 In/Sec	.206 G-s
1FOEF - #1 OVEN F	•	17 00777
	OVERALL LEVEL	1K-20KHz
MOH	.085 In/Sec	.134 G-s
MOV	.046 In/Sec	.037 G-s
MIH	.079 In/Sec	.252 G-s

MTS	7	.057 In/Sec	OFF C a
ZIM.	/	.05/ In/Sec	.055 G-s
MIZ	A	.053 In/Sec	.040 G-s
FI	I	.166 In/Sec	.015 G-s
FIV			
		.007 III/Sec	.011 G-s
FIZ	A.	.110 In/Sec	.011 G-s
FO	Ŧ	.173 In/Sec	.011 G-s .020 G-s
FO	7		.044 G-s
10	•	.110 111, 566	.044 6 5
2FOCF	- #2 OVEN CIRC F		(19-Nov-24)
		OVERALL LEVEL .221 In/Sec .586 In/Sec	1K-20KHz
MOI	4	221 In/Sec	.145 G-s
MOV		E96 Tm/Sec	.048 G-s
		.566 In/sec	.046 G-S
MI	Ŧ	.237 In/Sec	.325 G-s
MIX	7	.729 In/Sec	.134 G-s
MIZ	Δ	322 In/Sec	.078 G-s
1111	•	.322 111, 566	.070 6 5
			
2FOEF	- #2 OVEN EXH FA		(19-Nov-24)
		OVERALL LEVEL .046 In/Sec	1K-20KHz
MOI	3	046 Tn/Sec	.123 G-s
7OM	/	.04/ In/Sec	.037 G-s
MI	Ŧ	.045 In/Sec	.169 G-s .028 G-s
MIV	7	.048 In/Sec	.028 G-s
MIZ	Δ.	027 Tn/Sog	.033 G-s
	=		
FI	H	.079 In/Sec	.014 G-s
FIV	7	.044 In/Sec	.068 G-s
FIZ	Δ	069 Tn/Sec	.017 G-s
FOI			.062 G-s
FO7	J	.073 In/Sec	.133 G-s
	DOIND I	TNE 2	
4	Area: BOARD L	INE 3	
MEASUREMEN	NT POINT	OVERALL LEVEL	HFD / VHFD
B3TFM05PM	P - #3 MACHINE WHI		
B3TFM05PMI	P - #3 MACHINE WHI		1 W_20 WU-
B3TFM05PMI		OVERALL LEVEL	1K-20KHz
MOI	H	OVERALL LEVEL	1K-20KHz
HOM POM	i 7	OVERALL LEVEL .339 In/Sec .288 In/Sec	1K-20KHz 1.067 G-s .287 G-s
MOI	i 7	OVERALL LEVEL .339 In/Sec .288 In/Sec	1K-20KHz 1.067 G-s .287 G-s
HOM POM	H 7 H	OVERALL LEVEL .339 In/Sec .288 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s
MOM VIM VIM	i 7 i 7	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s
MOM VIM VIM VIM	H 7 H 7 A	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s
MOI MIN MIN PII	H 7 H 7 A	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s
MOM VIM VIM VIM	H 7 H 7 A	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s
MOI MIN MIN PII	H 7 H 7 A H	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s
MOI MIN MIN PII PIV	H / H / A H /	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s
MOI MOY MII MIZ PII PIX PIZ POI	H / H / A H /	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s
MOI MOY MII MIZ PII PIX PIX	H / H / A H /	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s
MOI MII MII PII PII POI POI	H 7 H 7 A H 7	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s
MOI MII MII PII PII POI POI	H / H / A H /	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s
MOI MII MII PII PII POI POI	H 7 H 7 A H 7	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s
MOI MOY MII MIX PII PIX POI POY B3TFM3PMPA	H J A H J A H J A H J A H J A H J A H J	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz
MOI MOY MIA MIA PIA PIA POI POY B3TFM3PMPA	H J A H J A H J A H J A H J A H J A H J A H J	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s
MOI MOY MIA MIA PIA PIA POI POY B3TFM3PMPA MOI MOY	H J A A A H A A A B B	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s
MOI MOY MIA MIA PIA PIA POI POY B3TFM3PMPA	H J A A A H A A A B B	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s
MOI MOY MIA MIA PIA PIA POI POY B3TFM3PMPA MOI MOY	H J A A A A B A A B A A B B	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s
MOI MOY MIN MIX PIN PIN POI POY B3TFM3PMPA MOI MOY MIN	H J A H J H J H J H J	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s
MOI MOY MIH MIX PIH PIY POI POY B3TFM3PMPA MOI MOY MIH MIX MIX	H J A H J A H J A H J A H J A H J A H J A H J A H J A H J A H J A H J A H J A H J A	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .078 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s
MOI MOY MIH MIX PIH POI POY B3TFM3PMPA MOI MOY MIH MIX PIH	H J A H J A H J A H J A H J A H J A H J H J H J H J	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec	1K-20KHz 1.067 G-s .287 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s
MOI MOY MIH MIX PIH PIY POI POY B3TFM3PMPA MOI MOY MIH MIX MIX	H J A H J A H J A H J A H J A H J A H J H J H J H J	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s
MOI MOY MIH MIX PIH POI POY B3TFM3PMPA MOI MOY MIH MIX PIH	H J A H J A H J A H J A H J A H J A H J H J H J H J A	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec	1K-20KHz 1.067 G-s .287 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s
MOI MOY MII MIX PII PIX POI POY B3TFM3PMPA MOI MIX MIX PIX PIX PIX	H J A H J A H J A H J A H J A H J A H J A H J A	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .028 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s
MOI MOY MIN MIX PIN PIN POI B3TFM3PMPA MOI MOY MIN MIX PIN PIN POI POI	H J A H J A H J A H J A H J A H J A H J A H J A H	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .096 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .028 In/Sec .039 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .085 G-s
MOI MOY MII MIX PII PIX POI POY B3TFM3PMPA MOI MIX MIX PIX PIX PIX	H J A H J A H J A H J A H J A H J A H J A H J A H	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .028 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s
MOI MOY MII MIX PII POI POY B3TFM3PMPA MOI MOY MII MIX PII POI POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .085 G-s
MOI MOY MII MIX PII POI POY B3TFM3PMPA MOI MOY MII MIX PII POI POY	H J A H J A H J A H J A H J A H J A H J A H J A H	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .153 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .085 G-s
MOI MOY MII MIX PII POI POY B3TFM3PMPA MOI MOY MII MIX PII POI POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .085 G-s .028 G-s
MOI MOY MIN MIN PIN PIN POI B3TFM3PMPA MOI MOY MIN MIN PIN PIN POI POI POI POI POI POI POI B3-VAC-01	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .085 G-s .028 G-s
MOI MOY MII MIX PII PIX POI POY MOY MIX PIX POI POY POY POY POY POY POY POY POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .037 In/Sec .037 In/Sec .038 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .085 G-s .028 G-s (18-Nov-24) 1K-20KHz .886 G-s
MOI MOY MIN MIN PIN PIN POI B3TFM3PMPA MOI MOY MIN MIN PIN PIN POI POI POI POI POI POI POI B3-VAC-01	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .037 In/Sec .038 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .037 In/Sec .038 In/Sec	1K-20KHz 1.067 G-s .287 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .021 G-s .085 G-s .028 G-s (18-Nov-24) 1K-20KHz .886 G-s .267 G-s
MOI MOY MII MIX PII PIX POI POY MOY MIX PIX POI POY POY POY POY POY POY POY POY	H	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .037 In/Sec .037 In/Sec .038 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .021 G-s .025 G-s .021 G-s .028 G-s .028 G-s
MOI MOY MIN MIN PIN PIN POI POY B3TFM3PMPA MOI MIN MIN PIN POI POY POY POY POY POY POY POY POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .037 In/Sec .037 In/Sec .038 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec	1K-20KHz 1.067 G-s .287 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .021 G-s .085 G-s .028 G-s (18-Nov-24) 1K-20KHz .886 G-s .267 G-s 1.729 G-s
MOI MOY MIN MIN PIN PIN POI POY B3TFM3PMPA MOI MIN MIN PIN POI POY POY POY POY POY POY POY POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .034 In/Sec .034 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .035 In/Sec .036 In/Sec .037 In/Sec .082 In/Sec .073 In/Sec .073 In/Sec .079 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .021 G-s .085 G-s .028 G-s (18-Nov-24) 1K-20KHz .886 G-s .267 G-s 1.729 G-s .289 G-s
MOI MOY MIN MIN PIN PIN POI POY B3TFM3PMPA MOI MIN MIN PIN POI POY POY POY POY POY POY POY POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .035 In/Sec .036 In/Sec .037 In/Sec .037 In/Sec .082 In/Sec .073 In/Sec .079 In/Sec .079 In/Sec .040 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .025 G-s .027 G-s .028 G-s .028 G-s .028 G-s .029 G-s .289 G-s .354 G-s
MOI MOY MIN MIN PIN PIN POI POY B3TFM3PMPA MOI MIN MIN PIN POI POY POY POY POY POY POY POY POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .034 In/Sec .034 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .035 In/Sec .036 In/Sec .037 In/Sec .082 In/Sec .073 In/Sec .073 In/Sec .079 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .021 G-s .085 G-s .028 G-s (18-Nov-24) 1K-20KHz .886 G-s .267 G-s 1.729 G-s .289 G-s
MOI MOY MIN MIN PIN PIN POI POY B3TFM3PMPA MOI MIN MIN PIN POI POY POY POY POY POY POY POY POY	H I I I I I I I I I I I I I	OVERALL LEVEL .339 In/Sec .288 In/Sec .603 In/Sec .711 In/Sec .450 In/Sec .145 In/Sec .145 In/Sec .190 In/Sec .148 In/Sec .196 In/Sec .107 In/Sec PUMP 3A OVERALL LEVEL .138 In/Sec .063 In/Sec .103 In/Sec .103 In/Sec .078 In/Sec .038 In/Sec .034 In/Sec .039 In/Sec .039 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .035 In/Sec .036 In/Sec .037 In/Sec .037 In/Sec .082 In/Sec .073 In/Sec .079 In/Sec .079 In/Sec .040 In/Sec	1K-20KHz 1.067 G-s .287 G-s .747 G-s .145 G-s .261 G-s .555 G-s .104 G-s .084 G-s .282 G-s .069 G-s (18-Nov-24) 1K-20KHz .960 G-s .500 G-s 1.215 G-s .379 G-s .274 G-s .148 G-s .025 G-s .021 G-s .025 G-s .027 G-s .028 G-s .028 G-s .028 G-s .029 G-s .289 G-s .354 G-s

PIA	.073 In/S	Sec .013 G-s
POH	.106 In/s	Sec .051 G-s
POV	091 Tn/s	Sec .017 G-s
101	.031 111/1	.017 0 5
		(10 04)
B3-VAC-02 -	LINE 3 VACUUM PUMP #2	
	OVERALL LI	EVEL 1K-20KHz
MOH	.135 In/s	Sec 4.017 G-s
MOV	.070 In/s	Sec .571 G-s
	•	Sec 1.130 G-s
MIH		
MIV	.104 In/s	
MIA	.056 In/s	Sec .432 G-s
PIH	.095 In/s	Sec .082 G-s
PIV	.069 In/s	Sec .020 G-s
	.009 In/s	
PIA	•	
POH	.156 In/s	
POV	.095 In/s	Sec .015 G-s
B3-VAC-03 -	LINE 3 VACUUM PUMP #3	(18-Nov-24)
25 1110 05	OVERALL LI	
MOH	.069 In/s	Sec 1.399 G-s
VOM	.083 In/s	
MIH	.073 In/s	Sec 1.810 G-s
MIV	.074 In/s	
MIA	.050 In/s	
	.064 In/s	
PIH	•	
PIV	.066 In/s	
PIA	.071 In/s	Sec .101 G-s
POH	.108 In/s	Sec .111 G-s
POV	.098 In/s	
101	.050 111/1	
LOWVACFAN -	LOW VACUUM FAN	(18-Nov-24)
	OVERALL LI	
MOH	.243 In/s	Sec .923 G-s
MOV	.557 In/s	Sec .358 G-s
	.163 In/s	1 914 C a
MIH	.103 11/3	Sec 1.814 G-s
MIV	.221 In/s	
MIA	.224 In/s	Sec .618 G-s
FIH	.146 In/s	Sec 2.489 G-s
FIV	.228 In/s	
	•	
FIA	.076 In/s	
FOH	.068 In/S	
FOV	.121 In/s	Sec .202 G-s
B3-VAC-06B -	#1 FORMER WHITE WTR PIT PM	(07-0ct-24)
DS VIIC COD		EVEL 1K-20KHz
MOH	.147 In/S	Sec .354 G-s
VOM	.208 In/8 .140 In/8	Sec .071 G-s
MIH	.140 In/s	Sec .474 G-s
MIV		Sec .214 G-s
	140 Tm/s	Sec .153 G-s
MIA	.140 In/S .036 In/S	.133 G-S
PIH	.036 In/S	Sec .067 G-s
PIV		Sec .017 G-s
PIA	.151 In/s	Sec .020 G-s
POH	.090 In/s	Sec .062 G-s
POV	076 Tp/s	Sec .062 G-s Sec .048 G-s
POV	.076 111/3	sec .046 G-S
B3-VAC-06A -	#2 FORMER WHITE WTR PIT PM	P (18-Nov-24)
		EVEL 1K-20KHz
MOH	.307 In/s	Sec .741 G-s
MOV		
	.813 In/S .511 In/S	
MIH	.511 1n/8	
MIV	.334 In/s	
MIA	.499 In/s	Sec .355 G-s
PIH	.150 In/s	Sec .081 G-s
PIV	.472 Tn/s	Sec .081 G-s Sec .018 G-s
PIA		
	.203 In/s	Sec .023 G-s
POH	100 - 7	040 0
	.189 In/s	Sec .048 G-s
POV	.189 In/s .168 In/s	Sec .048 G-s Sec .011 G-s
	.189 In/S .168 In/S SEAL WATER RETURN PUMP	

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OVERALL LEVEL 1K-20KHz
                             .041 In/Sec .495 G-s
.033 In/Sec .104 G-s
      MOH
      MOV
                             .040 In/Sec
                                              .791 G-s
      MIH
                                             .75-
.235 G-s
                             .056 In/Sec
      MIV
      MIA
                             .087 In/Sec
                                             .142 G-s
                             .047 In/Sec
      PIH
                                             .340 G-s
      PIV
                             .031 In/Sec
                                             .241 G-s
      PIA
                             .042 In/Sec
                                             .149 G-s
                             .039 In/Sec
      POH
                                             .426 G-s
                             .033 In/Sec
                                             .144 G-s
      POV
B3FRM7SHW - HIGH PRESSURE SHOWER PUMP (18-Nov-24)
                            OVERALL LEVEL 1K-20KHz
                                            .510 G-s
                             .063 In/Sec
      MOH
      MOV
                             .158 In/Sec
                                              .222 G-s
                                             .222
.828 G-s
                             .117 In/Sec
      MIH
                                             .134 G-s
                             .189 In/Sec
      MIV
                             .137 In/Sec
                                              .217 G-s
      MIA
                             .136 In/Sec
                                            1.567 G-s
      PIH
                                            .477 G-s
                             .178 In/Sec
      PIV
      PIA
                             .098 In/Sec
                                              .306 G-s
      POH
                             .126 In/Sec
                                            1.488 G-s
      POV
                             .181 In/Sec
                                             .304 G-s
    - #3 TOP PRESS ROLL DRIVE (18-Nov-24)
3
                            OVERALL LEVEL 1K-20KHz
                             .046 In/Sec
                                            .200 G-s
      MOH
                             .128 In/Sec .064 G-s
.063 In/Sec 1.138 G-s
.173 In/Sec .227 G-s
      MOV
      MIH
                                           .227 G-s
.260 G-s
      MIV
                             .168 In/Sec
      MIA
                                             .059 G-s
                             .060 In/Sec
      GIH
                                             .016 G-s
                             .160 In/Sec
      GIV
                                           .0090 G-s
                             .024 In/Sec
      GIA
                             .037 In/Sec
                                             .018 G-s
      GOH
                                           .018 G-s
      GOV
                             .101 In/Sec
      GOA
                             .034 In/Sec
                                            .0049 G-s
      - #3 BOTTOM PRESS ROLL DRIVE (18-Nov-24)
3b
                            OVERALL LEVEL 1K-20KHz
                             .048 In/Sec
                                            .535 G-s
      MOH
                                             .118 G-s
                             .119 In/Sec
      MOV
      MIH
                             .069 In/Sec
                                              .552 G-s
                             .102 In/Sec
                                              .136 G-s
      MIV
                                             .130
.148 G-s
                             .059 In/Sec
      MIA
                                             .016 G-s
                             .026 In/Sec
      GIH
                             .022 In/Sec
                                             .0066 G-s
      GIV
                             .013 In/Sec
                                             .0052 G-s
      GIA
                             .023 In/Sec
      GOH
                                             .015 G-s
      GOV
                             .019 In/Sec
                                            .0059 G-s
      GOA
                             .014 In/Sec
                                             .0041 G-s
B3FRM8ROLA - #2 TOP PRESS ROLL DRIVE (18-Nov-24)
                            OVERALL LEVEL 1K-20KHz
                             .080 In/Sec
                                            .236 G-s
      MOH
                             .071 In/Sec
                                             .048 G-s
      MOV
                                            .265 G-s
.091 G-s
                             .068 In/Sec
      MIH
                             .067 In/Sec
      MIV
                                            .052 G-s
.090 G-s
.012 G-s
                             .072 In/Sec
      MIA
                             .044 In/Sec
      GIH
                             .049 In/Sec
      GIV
                                            .021 G-s
                             .023 In/Sec
      GIA
                             .030 In/Sec
                                             .045 G-s
      GOH
                                          .0068 G-s
                             .039 In/Sec
      GOV
      GOA
                             .026 In/Sec
                                            .0067 G-s
```

```
OVERALL LEVEL 1K-20KHz
                             .044 In/Sec .311 G-s
.122 In/Sec .112 G-s
      MOH
      MOV
                                             .520 G-s
                             .054 In/Sec
      MIH
                                             .097 G-s
.101 G-s
                             .110 In/Sec
      MIV
                             .052 In/Sec
      MIA
                             .037 In/Sec
                                              .021 G-s
      GIH
                                           .0082 G-s
.0084 G-s
.026 G-s
      GIV
                             .040 In/Sec
      GIA
                             .017 In/Sec
      GOH
                             .044 In/Sec
                                             .026 G-s
      GOV
                             .032 In/Sec
                                            .0072 G-s
      GOA
                             .017 In/Sec
                                             .0059 G-s
1
       - #1 TOP PRESS ROLL DRIVE (18-Nov-24)
                            OVERALL LEVEL 1K-20KHz
      MOH
                             .067 In/Sec
                                              .392 G-s
      MOV
                             .150 In/Sec
                                              .089 G-s
                                             .592 G-s
.115 G-s
                             .070 In/Sec
      MIH
                             .077 In/Sec
      MIV
                             .150 In/Sec
                                              .113 G-s
      MIA
                             .052 In/Sec
      GIH
                                              .040 G-s
      GIV
                             .033 In/Sec
                                             .012 G-s
      GIA
                             .023 In/Sec
                                             .013 G-s
                             .028 In/Sec
      GOH
                                              .021 G-s
                                            .0077 G-s
      GOV
                             .028 In/Sec
      GOA
                             .026 In/Sec
                                             .010 G-s
     - #1 BOTTOM PRESS ROLL DRIVE (18-Nov-24)
1b
                            OVERALL LEVEL 1K-20KHz
                                             .406 G-s
      MOH
                             .128 In/Sec
                                            .156 G-s
.351 G-s
.141 G-s
.079 G-s
                             .101 In/Sec
      MOV
                             .072 In/Sec
      MIH
                             .089 In/Sec
      MIV
                             .170 In/Sec
      MTA
                             .026 In/Sec
      GIH
                             .047 In/Sec
                                             .025 G-s
      GIV
                                             .014 G-s
                             .014 In/Sec
      GIA
                             .028 In/Sec
      GOH
                                             .020 G-s
                                             .018 G-s
      GOV
                             .032 In/Sec
                                             .018 G-s
                             .019 In/Sec
      GOA
                                 (18-Nov-24)
B3-FRM-11 - #3 BOARD LINE DRIVE
                            OVERALL LEVEL 1K-20KHz
                             .050 In/Sec
                                             .893 G-s
      MOH
                             .099 In/Sec
      MOV
                                              .205 G-s
                                              .411 G-s
                             .046 In/Sec
      MIH
                             .144 In/Sec
                                              .284 G-s
      MIV
                             .057 In/Sec
                                              .269 G-s
      MIA
      G1I
                            .0095 In/Sec
                                              .072 G-s
                             .015 In/Sec
      GIV
                                              .059 G-s
      G1A
                             .015 In/Sec
                                             .042 G-s
                                             .043 G-s
      G10
                             .010 In/Sec
                             .011 In/Sec
      G20
                                             .035 G-s
                             .027 In/Sec
                                             .066 G-s
      GOV
                                             .052 G-s
                             .014 In/Sec
      G2I
                                              .024 G-s
      G2A
                             .019 In/Sec
B3-KBS-02 - WET END CIRCULATION FAN (18-Nov-24)
                            OVERALL LEVEL 1K-20KHz
                                             .594 G-s
      MOH
                             .115 In/Sec
                                             .073 G-s
.351 G-s
.065 G-s
                             .024 In/Sec
      MOV
      MTH
                             .098 In/Sec
      MTV
                             .031 In/Sec
                                             .005 C
.098 G-s
      MIA
                             .037 In/Sec
                                             .053 G-s
                             .102 In/Sec
      FIH
      FIV
                             .030 In/Sec
                                             .052 G-s
                             .100 In/Sec
                                             .033 G-s
      FIA
                                             .025 G-s
                             .091 In/Sec
      FOH
                             .044 In/Sec .011 G-s
.057 In/Sec .0066 G-s
      FOV
      FOA
```

B3KBS01BLW - WE	T END COMBUSTION BLOWER	(18-Nov-24)
	OVERALL LEVEL	
MOH		
	.056 In/Sec	
VOM	.067 In/Sec	.084 G-s
MIH	.082 In/Sec	.789 G-s
MIV	.250 In/Sec	.165 G-s
	066 77/500	126 C c
MIA	.066 In/Sec	.126 G-s 1.332 G-s
BIH	.098 In/Sec	1.332 G-s
BIV	.078 In/Sec	.468 G-s
BIA	092 Tn/Soc	264 C-s
	.092 III/Sec	.264 G-s 1.998 G-s
вон		
BOV	.085 In/Sec	.618 G-s
B3_KBC_UE _ DI	Y END CIRCULATION FAN	(19-Norr-24)
B3-KB3-U3 - DE		
	OVERALL LEVEL	
MOH	.077 In/Sec	.697 G-s
MOV	123 In/Sec	.088 G-s
	.123 In/Sec .074 In/Sec	.000 G S
MIH	.0/4 In/Sec	.503 G-s
MIV	.090 In/Sec	.122 G-s
MIA	.089 In/Sec .062 In/Sec	.109 G-s
FIH	062 Tn/Soc	.210 G-s
FIV	.024 In/Sec	.158 G-s
FIA	.045 In/Sec	.197 G-s
FOH	.024 In/Sec .045 In/Sec .059 In/Sec	.062 G-s
		.050 G-s
FOV		
FOA	.033 In/Sec	.028 G-s
B3KBGU/BIM - DE	Y END COMBUSTION BLOWER	(19-Nov-24)
BOKBOU4BLW - DE		
	OVERALL LEVEL	
MOH	.053 In/Sec .116 In/Sec	.445 G-s
MOV	116 Tn/Sec	.074 G-s
	040 7-/0	.074 G B
MIH	.049 In/Sec	.455 G-s
MIV	.090 In/Sec .054 In/Sec	.104 G-s
MIA	.054 In/Sec	.083 G-s
він	117 Tn/Soc	.770 G-s
BIV	.040 In/Sec	.105 G-s
BIA	.176 In/Sec	.117 G-s
вон	.088 In/Sec	.417 G-s
		.120 G-s
BOV	.139 In/Sec	.120 G-S
B3-KBS-07 - L1	NE 3 KILN EXHAUST FAN	(18-Nov-24)
	OVERALL LEVEL	1K-20KHz
MOH	.029 In/Sec	.866 G-s
	.029 IN/Sec	.000 G-S
MOV	.067 In/Sec	.212 G-s
MIH	.044 In/Sec	.852 G-s
MIV	.057 In/Sec	.262 G-s
	021 7- /0-	.202 G 5
MIA	.031 In/Sec	.291 G-s
FIH		.0090 G-s
FIV	.015 In/Sec	.0071 G-s
FIA	020 Tn/Sec	0049 G-s
	.020 111/566	.0049 G-s .0018 G-s
FOH		
FOV	.015 In/Sec	.0029 G-s
FOA	.027 In/Sec	.0025 G-s
	·	
Area:	LINE 3 FINISHING	
MEASUREMENT POI	NT OVERALL LEVEL	HFD / VHFD
HIPRSWTRP - HI	-PRESSURE WATER PUMP	(19-Nov-24)
		1K-20KHz
MOTT		
MOH	.139 In/Sec	1.445 G-s
MOV	.278 In/Sec	.288 G-s
MIH	.099 In/Sec	1.460 G-s
MIV		
	.234 111/300	.326 G-s
MIA	.103 In/Sec	.423 G-s
P1H	.513 In/Sec	.927 G-s
P1V		.272 G-s
	.525 211, 560	,_ 0 0

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.232 In/Sec .271 G-s
.223 In/Sec 1.349 G-s
.641 In/Sec .480 G-s
      P1A
      P2H
                                             .480 G-s
      P2V
                              .242 In/Sec
                                               .423 G-s
      P2A
                                        (19-Nov-24)
FINSHSHRD - FINISHING SHEDDER
                             OVERALL LEVEL 1K-20KHz
                                              .337 G-s
      MOH
                              .115 In/Sec
      VOM
                              .135 In/Sec
                                              .107 G-s
                                              .697 G-s
                              .184 In/Sec
      MIH
                              .131 In/Sec
                                              .154 G-s
      MIV
                                              .090 G-s
                              .063 In/Sec
      MIA
                                              .192 G-s
      GH
                              .154 In/Sec
                              .099 In/Sec
                                              .031 G-s
      GV
                              .063 In/Sec
                                              .036 G-s
      GA
      SH
                              .070 In/Sec
                                               .105 G-s
                              .068 In/Sec
                                               .022 G-s
      sv
                              .054 In/Sec
                                               .041 G-s
      SA
F3-GRD-01 - LINE 3 FINISH GRINDER #1 (19-Nov-24)
                             OVERALL LEVEL 1K-20KHz
                                               .452 G-s
      MOH
                              .431 In/Sec
      VOM
                              .327 In/Sec
                                              .123 G-s
                              .178 In/Sec
                                              .226 G-s
      MIH
                                              .076 G-s
                              .245 In/Sec
      MIV
                                              .130 G-s
      MIA
                              .139 In/Sec
                                              .175 G-s
                              .154 In/Sec
      GIH
                              .160 In/Sec
                                              .046 G-s
      GIV
      GIA
                              .110 In/Sec
                                               .052 G-s
F3-GRD-02 - LINE 3 FINISH GRINDER #2 (19-Nov-24)
                             OVERALL LEVEL 1K-20KHz
                                              .908 G-s
.267 G-s
                              .261 In/Sec
      MOH
      MOV
                              .187 In/Sec
                              .148 In/Sec
      MIH
                                               .447 G-s
                              .134 In/Sec
                                              .094 G-s
      MIV
      MIA
                              .096 In/Sec
                                              .178 G-s
                              .078 In/Sec
                                            .215 G-s
.082 G-s
      GIH
                              .096 In/Sec
      GIV
                                              .059 G-s
                              .082 In/Sec
      GIA
F3-GRD-03 - LINE 3 FINISH GRINDER #3 (08-Oct-24)
                             OVERALL LEVEL 1K-20KHz
                              .221 In/Sec
                                              1.555 G-s
      MOH
                                              .479 G-s
                              .237 In/Sec
      MOV
                              .225 In/Sec
                                               .466 G-s
      MIH
                              .133 In/Sec
                                               .182 G-s
      MIV
                              .156 In/Sec
                                               .193 G-s
      MIA
                                               .166 G-s
      GIH
                              .053 In/Sec
                              .053 In/Sec
      GIV
                                               .071 G-s
      GIA
                              .087 In/Sec
                                               .053 G-s
F3-GRD-04 - LINE 3 FINISH GRINDER #4 (19-Nov-24)
                             OVERALL LEVEL 1K-20KHz
                              .378 In/Sec
                                               .014 G-s
      MOH
                              .379 In/Sec .0079 G-s
.207 In/Sec .041 G-s
.217 In/Sec .0067 G-s
.097 In/Sec .0056 G-s
      MOV
      MIH
      MIV
                                             .0056 G-s
      MIA
                                              .047 G-s
                              .074 In/Sec
      GIH
                              .067 In/Sec
      GIV
                                               .012 G-s
                                               .013 G-s
                              .068 In/Sec
      GIA
F3-GRD-05 - LINE 3 GRINDER DRIVE
                                     (19-Nov-24)
                             OVERALL LEVEL 1K-20KHz
                              .075 In/Sec
                                             .762 G-s
.313 G-s
      MOH
                              .126 In/Sec
      MOV
                              .082 In/Sec 1.035 G-s
.124 In/Sec .265 G-s
.100 In/Sec .169 G-s
      MIH
      MIV
      MIA
```

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G1I
                            .100 In/Sec 1.112 G-s
                                          .391 G-s
.561 G-s
      GIV
                            .079 In/Sec
                            .058 In/Sec
      G1A
                            .057 In/Sec
                                           .571 G-s
      G20
      GOV
                           .082 In/Sec
                                           .141 G-s
      G2A
                            .066 In/Sec
                                            .227 G-s
B3-KFS-04 - LINE 3 KILN DRIVE
                                     (19-Nov-24)
                           OVERALL LEVEL 1K-20KHz
                            .028 In/Sec
                                          .186 G-s
      MOH
                            .027 In/Sec
                                          .104 G-s
      MIH
                                           .090 G-s
                            .031 In/Sec
      MIA
                                           .157 G-s
                            .073 In/Sec
    * G1I
                           .059 In/Sec
                                           .057 G-s
      GIV
                           .050 In/Sec
      G1A
                                            .045 G-s
                           .055 In/Sec
                                          .0045 G-s
      G20
                           .075 In/Sec
                                            .229 G-s
    * G2A
B3KFS4LUBP - L3 KILN GEARBOX LUBE OIL PMP (19-Nov-24)
                          OVERALL LEVEL 1K-20KHz
                            .108 In/Sec
                                           .264 G-s
                                           .213 G-s
      MOV
                           .086 In/Sec
                           .065 In/Sec
                                           .684 G-s
      MIH
                                           .145 G-s
                           .093 In/Sec
      MIV
                           .072 In/Sec
                                           .201 G-s
      MIA
                                           .504 G-s
      GH
                           .069 In/Sec
                                          .135 G-s
                           .068 In/Sec
      GV
                           .048 In/Sec
                                          .168 G-s
      GΑ
                            .217 In/Sec
.168 In/Sec
                                           .192 G-s
      PH
      ΡV
                                            .097 G-s
                            .275 In/Sec
      PA
                                            .208 G-s
F3-PAD-06 - BLUE OVEN 1 ZONE1 CIRC FAN 1 (19-Nov-24)
                           OVERALL LEVEL 1K-20KHz
                                          .579 G-s
      MOH
                           .309 In/Sec
                            .273 In/Sec
      MOV
                                           .155 G-s
      MIH
                           .714 In/Sec
                                           .605 G-s
                           .356 In/Sec
      VIM
                                           .186 G-s
                                           .288 G-s
                           .578 In/Sec
      MIA
                                         1.008 G-s
      FIH
                           .647 In/Sec
                                          .268 G-s
      FIV
                           .443 In/Sec
                           .227 In/Sec
      FIA
                                            .240 G-s
                           .213 In/Sec
                                         1.960 G-s
      FOH
      FOV
                            .315 In/Sec
                                            .678 G-s
OVN1ZNE1F2 - BLUE OVEN 1 ZONE1 CIRC FAN 2 (19-Nov-24)
                          OVERALL LEVEL 1K-20KHz
                                           .660 G-s
                            .144 In/Sec
      MOH
                                           .153 G-s
      MOV
                            .179 In/Sec
                           .174 In/Sec
      MIH
                                           .657 G-s
      MIV
                           .329 In/Sec
                                           .072 G-s
                           .290 In/Sec
      MIA
                                           .067 G-s
                           .162 In/Sec
      FIH
                                           .891 G-s
                           .297 In/Sec
                                           .218 G-s
      FIV
                                           .116 G-s
                           .301 In/Sec
      FIA
                                          .624 G-s
      FOH
                            .121 In/Sec
                                           .191 G-s
      FOV
                            .189 In/Sec
F3PAD06EX - BLUE OVEN 1 EXHAUST FAN (19-Nov-24)
                           OVERALL LEVEL
                                          1K-20KHz
                            .200 In/Sec
      MOH
                                           .204 G-s
      MOV
                            .227 In/Sec
                                            .043 G-s
                           .229 In/Sec
      MIH
                                           .306 G-s
                           .235 In/Sec
                                           .093 G-s
      MIV
                                           .071 G-s
                           .144 In/Sec
      MIA
                           .102 In/Sec
                                           .045 G-s
      FIH
                           .151 In/Sec
      FIV
                                           .242 G-s
                           .126 In/Sec
                                           .193 G-s
      FIA
                                           .027 G-s
      FOH
                           .068 In/Sec
                            .169 In/Sec
                                            .190 G-s
      FOV
```

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OVN1ZNE2F1 - BLUE OVEN 1 ZONE2 CIRC FAN 1 (19-Nov-24)
                                                                          OVERALL LEVEL 1K-20KHz
                                                                            .305 In/Sec
                                                                                                                     1.312 G-s
                 MOH
                                                                                                                    .321 G-s
.523 G-s
                 MOV
                                                                            .561 In/Sec
                                                                          1.098 In/Sec
                 MIH
                 MIV
                                                                          1.125 In/Sec
                                                                                                                       .407 G-s
                 MIA
                                                                         1.892 In/Sec
                                                                                                                      .156 G-s
                 FIH
                                                                            .762 In/Sec
                                                                                                                      .947 G-s
                                                                                                                      .210 G-s
                                                                         1.322 In/Sec
                 FIV
                                                                            .786 In/Sec
                                                                                                                     .151 G-s
                 FIA
                                                                            .252 In/Sec
                                                                                                                      .851 G-s
                 FOH
                                                                            .181 In/Sec
                                                                                                                       .130 G-s
                 FOV
OVN1ZNE2F2 - BLUE OVEN 1 ZONE2 CIRC FAN 2 (19-Nov-24)
                                                                          OVERALL LEVEL 1K-20KHz
                                                                                                                     .878 G-s
                                                                             .505 In/Sec
                 MOH
                                                                                                                     .179 G-s
.982 G-s
.268 G-s
                 MOV
                                                                          1.098 In/Sec
                 MIH
                                                                            .755 In/Sec
                 MIV
                                                                          2.042 In/Sec
                                                                           .427 In/Sec
                                                                                                                        .334 G-s
                 MIA
                                                                                                                       .837 G-s
                 FIH
                                                                            .876 In/Sec
                 FIV
                                                                          1.774 In/Sec
                                                                                                                      .094 G-s
                                                                            .785 In/Sec .118 G-s .311 In/Sec .3.404 G-s .185 In/Sec .185 In/Se
                 FIA
                 FOH
                 FOV
                                                                             .185 In/Sec
                                                                                                                    .929 G-s
D1DCR02EXH - #1 GRINDER BAGHOUSE DC FAN (19-Nov-24)
                                                                          OVERALL LEVEL 1K-20KHz
                                                                                                                     .497 G-s
                                                                            .172 In/Sec
.312 In/Sec
.133 In/Sec
                 MOH
                                                                           .1/2 In/Sec .49/ G-s

.312 In/Sec .276 G-s

.133 In/Sec .697 G-s

.344 In/Sec .099 G-s

.247 In/Sec .082 G-s

.396 In/Sec .401 G-s

.361 In/Sec 1.492 G-s

.838 In/Sec .316 G-s

.391 In/Sec .367 G-s
                 VOM
                 MIH
                 MIV
                 MIA
                 FIH
                 FIV
                 FIA
                 FOH
                                                                             .391 In/Sec
                                                                                                                       .367 G-s
                                                                             .290 In/Sec 1.775 G-s
                 FOV
D1DCR03EXH - #2 FINISHING DUST COLLECTOR (19-Nov-24)
                                                                         OVERALL LEVEL 1K-20KHz
                                                                                                                   .832 G-s
                                                                            .265 In/Sec .832 G-s
.191 In/Sec .345 G-s
.163 In/Sec 3.240 G-s
.289 In/Sec .865 G-s
                 MOH
                 MOV
                 MIH
                                                                                                                    .865 G-s
                 MIV
                                                                            .314 In/Sec
                 MIA
                                                                                                                          .544 G-s
                                                                            .230 In/Sec
                                                                                                                   3.774 G-s
                 FIH
                                                                                                                    .570 G-s
                                                                            .259 In/Sec
                 FIV
                                                                            .379 In/Sec
                 FIA
                                                                                                                         .426 G-s
                                                                            .208 In/Sec 1.316 G-s
                 FOH
                                                                                                                       .440 G-s
                 FOV
                                                                            .148 In/Sec
D1DCR01EXH - #3 FINISHING DUST COLLECTOR (19-Nov-24)
                                                                         OVERALL LEVEL 1K-20KHz
                                                                             .285 In/Sec
                 MOH
                                                                                                                      1.318 G-s
                                                                                                                    .411 G-s
                                                                             .808 In/Sec
                 MOV
                                                                            .119 In/Sec
                                                                                                                      .953 G-s
                 MIH
                                                                                                                      .227 G-s
                                                                            .837 In/Sec
                 MIV
                                                                          .182 In/Sec .413 G-s
.442 In/Sec .530 G-s
.231 In/Sec .265 G-s
.396 In/Sec .167 G-s
.357 In/Sec 1.079 G-s
.160 In/Sec .262 C
                 MIA
                 FIH
                 FIV
                 FIA
                 FOH
                 FOV
```

Clarification Of Vibration Units:

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

As always, it has been a pleasure to serve USG Greenville, MS. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

Senior Reliability Specialist

ISO Certified Vibration Analyst, Category III

Kevin W. Mozewell



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