Sound/Vibration Best Practices

Pumps

• Specify concrete inertia bases in MERs above grade
• Support pump elbows and suction diffusers on bases and not the floor
• Open springs are preferred over housed spring isolators
• Inertia base mass should be minimum 1 ½ times the weight of the supported pump
• Utilize molded neoprene pipe flexes
• Vibration isolation hangers for 50’ of piping connected to isolated pumps
• Properly anchor and support pipe columns independent of the pump
• Acoustic treatment rarely needed