

To Whom It May Concern, regarding:

**Armstrong OSHPD Pre-approved Design Envelope Pumping Units**

Armstrong Intelligent Variable Speed Controls (IVS102) have Special Seismic Certification Pre-approval OSP-0422-10 under the Industrial Control Panels / Variable Frequency Drives section.

The electronics were tested in a rigid and flexible mounted configuration. This testing enabled OSHPD to approve the following statement as a component of the OSHPD OSP-0422-10 documentation:

*"The listed drives are certified for any intermediate surface-mounted attachment, including Armstrong Intelligent Variable Speed (or Design Envelope) Pumps. These pumps include: DE 4300 IVS, DE 4380 IVS, DE 4302 IVS, DE 4382 IVS, DE 4312 IVS, DE 4392 IVS, DE 4030 IVS, DE 4280 IVS, DE 4360 IVS and DE 4600 IVS"*

The Design Envelope (DE) pumping units are to be installed in accordance with Armstrong recommendations and seismically restrained accordingly to the specifications of the Seismic Engineer on the project.

Documentation of the OSHPD Pre-Approval is available to all at <http://oshpd.ca.gov/FDD/Pre-Approval/OSP-0422-10.pdf>

Signatories to the OSHPD Pre-Approval document include:

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OSHPD Approval (approval expires December 31st, 2019)

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