

Product Announcement

Date: July 8, 2022

Re: North American Electric Reliability Corporation Announcement – Power Transformers

Mitsubishi Electric Power Products, Inc. is aware of the advisory posted by NERC (the North American Electric Reliability Corporation) on July 8, 2022. We appreciate and respect the important role NERC provides in helping to ensure the reliability of the nation's bulk electric system.

We have been in regular contact with U.S. customers and regulatory authorities and continue to provide them with updates and information pertaining to this issue.

We remain committed to our customers and will continue to provide support and solutions to resolve these issues.

Mitsubishi Electric Power Products, Inc. provided maintenance, monitoring, and testing guidance with communications with each of our affected customers as follows:

Safety: Given the experience we and our customers have had with our transformers in the field, we continue to believe that safe continuous operation can be realized with standard transformer protection schemes and sensors commonly in place for power transformers, such as surge arresters, oil-testing for dissolved gas, online dissolved gas analyzers, Buchholz relay, temperature indicators and/or monitors, relay protection, and other protective measures. Please analyze the protections you have in place in this regard and supplement, as necessary, in light of the information we have provided, and ensure standard personnel access and PPE practices are followed. As part of our commitment to support you, we are willing to engage with your staff to discuss details of the present application of each transformer, including the system protections in place, to assist your evaluation of continued safe operation.

Reliability and Performance: We suggest a Dissolved Gas Analysis be performed. The results of this test can indicate if there is overheating or partial discharge taking place inside the transformer. No outage is necessary for this test, and data may be available now for our engineers to analyze. Our assessment so far is that a comparison of historic DGA results of your unit(s) and new transformer DGA values test results will be indicative of the transformer's fitness for continued, reliable and safe operation.