

Environmental Qualification and Training

GLSEQ world class experience in Environmental Qualification introduces new on-line EQ training.

EQ The Beginning 50th Anniversary of IEEE 323

Earthquake Magnitude Scale and Seismic Qualification

NRC Regulatory Guide 1.100 Rev 4, Seismic Qualification

10 CFR 50.44 Combustible Gas Control

Non-Safety Severe Accident Information Systems

Strengthens capabilities for assessing risks from Beyond-Design-Basis Events (BDBA).

Improves hydrogen sensing range to 100% to overcome over range.

Costs less to install than annual maintenance on legacy hydrogen Combustible Gas systems.

Follows BWR Owners Group recommendation to increase reliability with commercial grade Combustible Gas systems.

Always on feature enhances ability to detect when DBA becomes BDBA and EOP needs to go to

SAMG, necessary since time between Loss of Coolant and BDBA was 2, 4, 6, and 8 hours at TMI, Fukushima Units 1, 2 and 3, respectively.

Provides unambiguous evidence of fuel damage, reactor breach, and MCCI.

Adds enhanced monitoring of reactor building and FLEX options.

Improves accuracy to 0.6% and response time to changes to less than 60 seconds.

Follows National Research Council recommended improvements for BDBA.

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GLSEQ, LLC has been serving the nuclear industry for 28 years.



VPICM™

GLSEQ, LLC
Increasing Equipment Reliability and Safety

Voltage Performance Integrity Condition Monitoring (VPICM™) has been a solution waiting on a problem.

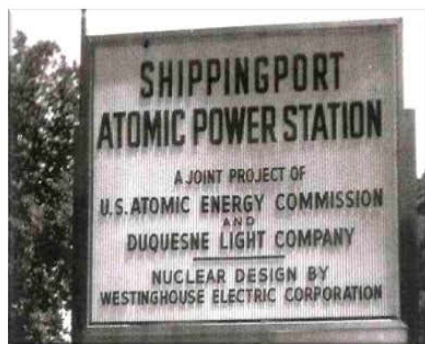
The problem has arrived: Aging Management Programs (AMP) of cable for Subsequent License Renewal (SLR).

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Non-Safety Severe Accident Information Systems

New paradigm non-intrusive cable condition monitoring method for Cable Aging Management Programs

GLSEQ introduces its patent pending Voltage Performance Integrity Condition Monitoring (VPICM™) which is a new paradigm non-intrusive cable condition monitoring method used to verify cable insulation integrity and to detect insulation degradation in insulated cables and associated splice, connector, and EPA in an electrical circuit.

VPICM™ has been a solution waiting on a problem.

The problem has arrived: Aging Management Programs (AMP) of cable for Subsequent License Renewal (SLR).

AMPs are required for Electrical Insulation for Electrical Cables and Connections in 10 CFR 50.49 Environmental Qualification and cables and connections not in 10 CFR 50.49, including I&C, Low Voltage, and Medium voltage cables.

VPICM™ is a solution that will save nuclear power plants significant costs over traditional cable tests since it is non-intrusive and non-invasive.

Most cable aging management processes rely on visual inspection,

which is great when the cable is visible, however, miles of cables are not only not visible they are also inaccessible.

VPICM™ monitors the whole cable end-to-end including each splice, connector and EPA in an electrical circuit and captures events that demonstrate insulation integrity or detectable degradation.

VPICM™ metrics are compared to the metrics generated during the environmental qualification programs on the cables or on common industry requirements.

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