

September 21, 1990

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20545

Subject: Seismic Qualification Utility Group (SQUG) - Revision 2 of
Generic Implementation Procedure for Use in USI A-46 Program

Dear Dr. Murley:

Enclosed is a copy of Revision 2 of the Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment. The GIP was developed by the Seismic Qualification Utility Group (SQUG) as a generic procedure for addressing Unresolved Safety Issue (USI) A-46, "Seismic Qualification of Equipment in Operating Plants." The GIP provides the technical approach, generic procedures, and documentation requirements which can be used by owners of currently operating nuclear power plants that are subject to USI A-46 to evaluate the seismic adequacy of active mechanical and electrical equipment needed to safely shut down their plants following a safe shutdown earthquake.

Revision 2 of the GIP adheres to previously approved positions and incorporates several changes based, in part, on resolution of comments and issues from the following documents:

- ° NRC Supplemental Safety Evaluation Report (SSER) No. 1, dated 06/29/90,
- ° Senior Seismic Review and Advisory Panel (SSRAP) comments on GIP, Revision 1, dated 2/8/89,
- ° SQUG Checklist of Open/Unresolved Issues in USI A-46 Program [A copy of this checklist is included with this letter as Enclosure 3], and
- ° Revisions to the reference documents listed in Section 10 of Part II of the GIP.

The significant changes and additions to this revision of the GIP, compared to Revision 1, are summarized in Enclosure 1 to this letter. To further assist reviewers, a "Road Map" to changes in Part I of the GIP is included as Enclosure 2 to this letter. Also note that the "Status" column in the "Checklist of Open/Unresolved Issues in USI A-46 Program" (Enclosure 3) identifies the sections of the GIP where each issue is addressed.

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use The Attached Listed Docket Numbers

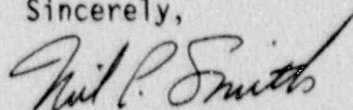
Dr. Thomas E. Murley

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It is our understanding that the NRC will publish a Supplemental Safety Evaluation Report on Revision 2 of the SQUG Generic Implementation Procedure within sixty (60) days following receipt of this document. Please advise us if this is not the case.

Sincerely,



Neil P. Smith, Chairman
Seismic Qualification
Utility Group

Enclosures:

- Generic Implementation Procedure, Revision 2
- Significant Changes and Additions Incorporated in Revision 2 of the GIP
- Road Map of Changes in Part I of GIP, Revision 2
- SQUG Checklist of Open/Unresolved Issues in USI A-46 Program

cc: L. B. Marsh (w/six copies of Enclosures)
Advisory Committee on Reactor Safeguards
R. P. Kennedy, Structural Mechanics Consulting
W. A. vonRiesemann, Sandia National Laboratories
P. Ibañez, ANCO Engineers, Inc.
A. J. Schiff, Stanford University
L. A. Wyllie, H. J. Degenkolb Associates, Engineers

50-312	ANO 1
50-368	ANO 2
50-334	Beaver Valley 1
50-155	Big Rock Point
50-259	Browns Ferry 1
50-260	Browns Ferry 2
50-296	Browns Ferry 3
50-324	Brunswick 1
50-325	Brunswick 2
50-317	Calvert Cliffs 1
50-318	Calvert Cliffs 2
50-315	Cook 1
50-316	Cook 2
50-298	Cooper
50-302	Crystal River 3
50-346	Davis Besse
50-237	Dresden 2
50-249	Dresden 3
50-331	Diane Arnold
50-348	Farley 1
50-333	Fitzpatrick
50-285	Fort Calhoun 1
50-244	Gianna
50-213	Hadden Neck
50-247	Indian Point 2
50-286	Indian Point 3
50-305	Keewaunee
50-369	McGuire 1
50-370	McGuire 2
50-245	Millstone 1
50-336	Millstone 2
50- 243	Montecello
50-220	Nine Mile Point
50-338	North Anna 1
50-339	North Anna 2
50-269	Oconee 1
50-270	Oconee 2
50-287	Oconee 3
50-219	Oyster Creek

50-255
50-277/278
50-293
50-266
50-301
50-282
50-306
50-254
50-265
50-261
50-272
50-311
50-327
50-328
50-280
50-281
50-289
50-344
50-271
50-029
50-295
50-304
50-267
50-206

Palisades
Peach Bottom 2/3
Pilgrim 1
Point Beach 1
Point Beach 2
Prairie Island 1
Prairie Island 2
Quad Cities 1
Quad Cities 2
Robinson 2
Salem 1
Salem 2
Sequoayah 1
Sequoayah 2
Surry 1
Surry 2
Three Mile Island 1
Trojan
Vermont Yankee
Yankee Rowe
Zion 1
Zion 2
Fort St. Vrain
San Onofre 1