SYSTEM ENERGY RESOURCES, INC.

EARLY SITE PERMIT APPLICATION

for the

GRAND GULF NUCLEAR STATION SITE

PART 5
PROGRAMS AND PLANS

Revision 0

TABLE OF CONTENTS

1.0 QUALITY ASSURANCE 1-1
1.1 Discussion of Quality Processes 1-1
1.2 References 1-1
2.0 SITE REDRESS PLAN 2-1

1.0 QUALITY ASSURANCE

10 CFR regulations do not require implementation of a Quality Assurance program compliant with Appendix B to 10 CFR Part 50 for the preparation of an Early Site Permit (ESP) Application. Processes were implemented to ensure the integrity and reliability of the data presented in the ESP Application.

1.1 Discussion of Quality Processes

Entergy maintains the overall responsibility for quality during the preparation and review of the ESP application. This is accomplished primarily through its oversight of Enercon Services, Inc. (Enercon), the principal vendor for the ESP Project. Enercon has been qualified in accordance with the Entergy Quality Assurance Program Manual (Reference 2) to perform safety-related work for Entergy in accordance with its own QA Program and procedures.

Enercon prepared the Quality Assurance Project Planning Document (QAPPD) (Reference 1) that was used for applicable portions of the ESP Application development, as described in the document. Secondary vendors and subcontractors, such as the company providing technical support relating to evaluation of seismic hazards, were subject to Enercon's QA Program and QAPPD. These subcontractors were trained on the QAPPD and implementing procedures, or were included on Enercon's Qualified Suppliers List for performing the required work.

The Enercon QAPPD established the overall quality framework for the Entergy ESP Project. The QAPPD defined the scope of ESP activities to which quality assurance requirements were applied, roles and responsibilities for implementing the quality assurance requirements, requirements for project records and training, and methods that were used to implement the quality assurance requirements. The latter methods include project instructions, prepared to address specific aspects of the ESP application development project (e.g., hydrological and meteorological data management), and more generic Corporate Standard Procedures maintained by Enercon to control generic activities such as preparation of calculations, software control, and quality assurance training conducted in accordance with the Enercon QA Program. The integrity and reliability of much of the data presented in the ESP application was assured through the use of recognized government and industry sources (including EPRI); data sources are identified in the applicable sections of the application.

Processes and requirements, including interface between Entergy companies and vendors associated with the ESP Project were established in contracts and/or procedures when appropriate.

1.2 References

1. Enercon Services, Inc., Quality Assurance Project Planning Document for Entergy Nuclear Potomac Early Site Permitting Project, Grand Gulf Nuclear Station Site, Project No. ENTO-002.
2. Entergy Quality Assurance Program Manual (Reference CNRO-2003-00013 dated April 24, 2003, from Entergy Operations to the USNRC, for last annual update)

2.0 SITE REDRESS PLAN

The Applicant at the time of this submittal has no plans for activities at the site, after grant of the Early Site Permit, as allowed by 10 CFR 50.10(e)(1); therefore, a Site Redress Plan as required by 10 CFR 52.17(c) for these type activities is not provided.