

QUALITY PLAN FOR  
REMEDIAL SOILS ACTIVITIES

and

SOILS RELATED WORK IN Q AREAS

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Approved

Walter Bud  
Manager MPQAD

Approved

Archib C. Rice  
A. J. BOOS  
Bechtel Assistant Project Manager

Approved

Kon Soumen  
( ) Midland Project Office

8406120067 840517  
PDR FOIA  
RICE84-96 PDR

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QUALITY PLAN FOR REMEDIAL SOILS ACTIVITIES AND SOILS RELATED WORK IN Q-AREAS

GENERAL

All activities performed by Consumers Power Company or Bechtel Power Corporation and their subcontractors for the remedial soils work and work within the area covered by C-45Q is covered by the existing Consumers Power Company and Bechtel Power Corporation Topical Reports CPC-1-A and BQ-TOP-1, Revision 1A, respectively. This Quality Plan provides a more detailed written description of the accomplishment of activities specific to such work.

SCOPE

This Quality Assurance Plan is applicable to those activities associated with the following:

1. Underpinning of service water pump structure. (Reference MPQP-1)
2. Removal, replacement of fill, and underpinning beneath the feedwater isolation valve pit areas, auxiliary building electrical penetration areas, control tower, and beneath the turbine building. (Reference MPQP-1)
3. Installation of monitoring system and the monitoring of structural response to underpinning activities.
4. Dewatering systems. The installation, operation, and monitoring of both permanent and temporary dewatering systems.
5. Freeze wall.

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6. BWST foundation repairs and tank releveling.
7. Underground service water and BWST piping rebedding or replacement.
8. Crack Repair
9. Any placing, compacting, excavating, or drilling soil materials under or around safety-related structures and systems, as defined by Bechtel drawing C-45 (Q).

GENERAL

This Quality Plan is applicable for all aspects of the above defined work and as such the activities and materials associated with this work is deemed to be "Q-listed." It is recognized that this "Q-listing" covers activities, items and structures beyond the requirements provided by the FSAR. This extension to provide Quality Assurance Program coverage over and above strictly safety related items will provide an additional assurance that no activity will have an adverse effect on safety related structures.

REQUIREMENTS

1. The activities included in the scope will be done to approved design documents and procedures; where existing procedures developed under the requirements of the topical reports do not provide specific coverage, additional procedures will be developed. Design documents will be reviewed by MPQAD to assure that quality planning is in place to support the verification of requirements. Procedures will be reviewed by MPQAD to

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assure that appropriate quality requirements are included. Specifications, procurement documents, drawings and procedures shall be specific as to the design attributes and activities which require quality verification. The need for verification shall be dictated by the following principal:

The Quality Assurance Program shall provide control over activities affecting the quality of the identified structures, systems and components to an extent consistent with (a) their importance to safety; (b) their possible detrimental interaction or effect on safety related structures and items; or (c) assuring obtainment of the overall Project objectives.

2. MPQAD will be involved in the review of work activities to 1) determine the extent of QC inspections and QA overinspection, 2) assure the adequacy or detail of implementing procedures/instructions, and 3) to determine the extent of quality records. The MPQAD reviews will be documented in accordance with MPQAD Department procedures.
3. An excavation procedure shall be in place to control excavation, drilling and pile driving in Q-listed soils as defined on Bechtel drawing C-45 (Q).
4. A specific Quality Plan will be developed for providing Quality Program coverage of underpinning subcontractors who do not have their own Nuclear Quality Assurance Programs. (Reference MPQP-1)

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5. Any activity or structure or item or procurement in support of the remedial soils work which will be excluded from Quality Assurance Program coverage will be done on an exception basis. Authorization by NRC Region III is required prior to conducting any work activity in the excluded areas.