



Department of Energy

Yucca Mountain Project Office

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REVIEW OF REVISION 5 TO THE HOLMES & NARVER, INC. (H&N), YUCCA MOUNTAIN PROJECT QUALITY ASSURANCE PROGRAM PLAN (QAPP)

References: (1) Letter, Wright to Horton, dtd. 6/26/90
(2) Letter, Wright to Horton, dtd. 5/22/90

Revision 5 to the H&N QAPP has been reviewed by Yucca Mountain Project Office (Project Office) Quality Assurance (QA). The approval requested by Reference 1 is not being given because of the following differences with Revision 4 of the Project Quality Assurance Plan (QAP), (Nevada Nuclear Waste Storage Investigations [NNWSI]/88-9) to which the QAPP was written:

H&N QAPP Section 2 - II.C: "Items" are not referred to in this paragraph, but are exempted from "certain NNWSI QA controls" (NNWSI/88-9, Section II - paragraph 2.1.1). "Items" should be addressed in the H&N QAPP.

H&N QAPP Section 3 - III.G.3: The technical and QA elements of WMPO participation in the review cycle of design output documents is required in NNWSI/88-9, Section III - paragraph 2.7.1.3, but has not been included in this section. It was in the previous version (revision 4) of the H&N QAPP.

Project Office QA has discussed H&N's objection to being responsible for a Project Office technical and QA review of design output documents as was expressed in Reference 2. It is suggested therefore that H&N fulfill the requirement of NNWSI/88-9 by stating, "H&N will forward design output documents to the Project Office requesting a technical and QA review of those documents." As was explained by Project Office QA, H&N would be asking no more than what the Project Office has committed itself to do through the issuance of NNWSI/88-9 relative to design output documents.

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H&N QAPP Section 4 - III.E: The requirement for WMPO access to subtier contractor (i.e., "suppliers' subcontractor[s]") per Revision 4 of the H&N QAPP is in NNWSI/88-9, Section IV - paragraph 2.1.4, but has not been included in this section. It is a requirement which should be retained in the H&N QAPP.


H&N QAPP, Appendix B: "ACTIVITIES THAT AFFECT QUALITY" will be placed on the Quality Activities List, not the "Q" List.

Use of the title "Project Quality Manager" (PQM): In numerous places, the QAPP uses the title PQM or QA Manager, which in paragraph 2.3.1.4 of the Introduction to NNWSI/88-9, Revision 4 has been changed to Director, QA or DQA. It is recognized that the QAP is inconsistent in this usage, but the proper title is Director, Quality Assurance or DQA.

H&N may exercise either of the following options regarding these comments:


1. Include the comments in the proposed Revision 5 of the H&N QAPP and continue to follow the Plan.
2. Include the resulting requirements in the combined Quality Assurance Program Description Document of Raytheon Services Nevada/Fenix and Scisson of Nevada/H&N which will ultimately govern H&N's quality assurance operations.

If you have any questions, please contact either Nancy A. Voltura at 794-7972 or Peter J. Karnoski at 794-7736 of the Yucca Mountain Project QA staff.


Donald G. Horton, Director
Quality Assurance
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QA:NAV-140

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