

January 15, 2008

MEMORANDUM TO: Thomas J. Nicholson, Senior Advisor
Radionuclide Transport
Division of Risk Analysis
Office of Nuclear Regulatory Research

FROM: Christopher Cook, Acting Branch Chief **/RA/**
Hydrologic Engineering Branch
Division of Site and Environmental Reviews
Office of New Reactors

SUBJECT: REVIEW OF DRAFT STANDARD ANSI/ANS-2.17,
"EVALUATION OF SUBSURFACE RADIONUCLIDE
TRANSPORT AT COMMERCIAL NUCLEAR POWER
PRODUCTION FACILITIES"

As requested, RHEB has reviewed the final working draft of the standard ANS/ANSI 2.17, "Evaluation of Subsurface Radionuclide Transport at Commercial Nuclear Power Production Facilities." The draft was reviewed by Mark McBride, Hosung Ahn, and Nebiyu Tiruneh.

In general, the reviewers believed that the standard will be valuable for guiding and standardizing investigations of subsurface radionuclide transport. We have made various technical suggestions that should not affect the overall structure of the draft.

However, the draft has many problems with consistency and clarity. We have addressed some of these problems, but recommend that the document be revised by a professional editor before release. We have not attempted a detailed copy-edit because this would disrupt line numbering from the original.

Other general comments are provided in Enclosure 1. Detailed comments have been inserted in a copy of the draft (Enclosure 2) using the reviewing features of Microsoft Word.

Enclosures:

1. General comments on draft
2. Draft manuscript with detailed comments

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