

December 1, 2006

MEMORANDUM TO: Jamnes L. Cameron
Branch Chief
Decommissioning Branch
Division of Nuclear Material Safety
Region III

FROM: B. Jennifer Davis **/RA/**
Branch Chief
Performance Assessment Branch
Environmental Protection and Performance Assessment
Directorate

SUBJECT: ENVIRONMENTAL PROTECTION AND PERFORMANCE
ASSESSMENT DIRECTORATE'S QUALITY ASSURANCE
EVALUATION OF REGION III'S DIVISION OF NUCLEAR
MATERIAL SAFETY ANALYSIS OF BATTELLE'S WEST
JEFFERSON FACILITY SITE WIDE DOSE ASSESSMENT

The Environmental Protection and Performance Assessment Directorate (EPPAD) has conducted a quality assurance (QA) evaluation of the Decommissioning Branch (DCB) of the Division of Nuclear Material Safety of Region III's analysis of Battelle's West Jefferson Facility site wide dose assessment. This evaluation is based upon a review of the Site Wide Dose Assessment and Groundwater Impacts section within the Draft Safety Evaluation Report by DCB of Battelle's *West Jefferson Site Dose Assessment*.

EPPAD has concluded that DCB's analysis of Battelle's dose assessment was adequate and consistent with the standard procedures discussed in NUREG-1757, Vol. 2, Rev. 2 – *Consolidated NMSS Decommissioning Guidance - Characterization, Survey, and Determination of Radiological Criteria* and in ANL/EAD/TM/04-03, Rev. 2 – *Evaluation of Dose Modeling for Compliance with Radiological Criteria for License Termination* (Training Course).

EPPAD also concluded that the dose assessment for this site is conservative because of the use of extremely conservative site parameters. This conclusion is supported by recently available Battelle and ORISE radiological results from newly installed groundwater monitoring wells that are screened in the 805 groundwater-bearing unit, which is hydraulically connected to the drinking water aquifer for the site and nearby homesteads.

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This memorandum completes DCB's Technical Assistance Request to EPPAD dated November 6, 2006, the QA evaluation of DCB's analysis of the Battelle's dose assessment at the West Jefferson site.

Docket No. 070-00008

License No. SNM-00007

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This memorandum completes DCB's Technical Assistance Request to EPPAD dated November 6, 2006, the QA evaluation of DCB's analysis of the Battelle's dose assessment at the West Jefferson site.

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