



Integrated
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November 26, 2003

Mr. Sam Nalluswami
Project Manager
USNRC, Decommissioning Branch
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852-2738

Subject: Submittal of the Decommissioning Plan
SCA Hartley & Hartley Landfill Site, Kawkawlin Township, Michigan
NRC Materials License No. SUC-1565, Docket No. 40-9022

Dear Mr. Nalluswami:

On behalf of S. C. Holdings, Inc., RMT, Inc., is submitting five copies of the Decommissioning Plan for the SCA Hartley & Hartley Landfill Site. This Plan was prepared in compliance with the requirements of 10 CFR 40.42(g)(4) and the site-specific Acceptance Review Checklist provided by the USNRC on May 1, 2001, as modified for unrestricted release. Pursuant to Condition 11.A of the Materials License No. SUC-1565, which requires SCA Services (now part of S.C. Holdings) to submit the Decommissioning Plan by license amendment request; S.C. Holdings is hereby requesting that the USNRC amend materials License No. SUC-1565 to incorporate the enclosed Decommissioning Plan.

This Decommissioning Plan is being submitted in accordance with the revised due date for submittal of December 1, 2003, which was approved by the USNRC in a letter dated November 19, 2003.

The selected decommissioning alternative is on-site consolidation of thorium-bearing slag in the two small slag piles located *outside* of the Northwest Landfill *into* the Northwest Landfill, improving the cover over the Northwest Landfill, and installing leachate extraction wells in the Northwest Landfill. This remedy meets the requirements for license termination for unrestricted release by limiting potential exposure to radiation for a future industrial worker at the site to less than 25 millirem per year for a period of 1,000 years. The Decommissioning Plan was developed based on meetings with USNRC staff. During these meetings, we discussed the applicability of recent USNRC guidance that allows a licensee to select and justify a land use scenario based on "reasonably foreseeable land use" (defined by the USNRC as land use during the next few decades up to possibly 100 years). USNRC staff believe that this approach is more realistic and risk-informed than the conservative default scenario of a resident farm family.

In order to assist the USNRC in conducting its administrative review of the Decommissioning Plan, an annotated Acceptance Review Checklist is presented after the Table of Contents that indicates the section of the Decommissioning Plan in which each applicable checklist item is addressed.

11/25/03

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Please call me, at (608) 662-5307, or Phill Mazor, at (616) 688-5777, if you have any questions about the Decommissioning Plan.

Sincerely,

RMT, Inc.

Linda Hicken

Linda E. Hicken, P.E.
Senior Project Manager

cc: Claudia Craig, USNRC
Gene Bonano, USNRC Region III
Phill Mazor, Waste Management, Inc.
Jim Forney, Waste Management, Inc.
Rachel Schneider, Quarles & Brady
Bill Thomas, IEM