



SHIELDALLOY METALLURGICAL CORPORATION

12 WEST BOULEVARD
P.O. BOX 768
NEWFIELD, NJ 08344-0768
TELEPHONE (856) 692-4200

DAVID R. SMITH
Radiation Safety Officer
NEWFIELD OPERATIONS

Certified Mail 7006 0100 0006 6005 6340

May 7, 2008

Mr. John J. Hayes
U.S. Nuclear Regulatory Commission
Office of Federal and State Materials and Environmental Management Programs
Division of Waste Management and Environmental Protection
Decommissioning and Uranium Recovery Licensing Directorate
Mail Stop TWFN - 8 - FS
Washington, D.C. 20555

Re: Shieldalloy Metallurgical Corporation, Newfield, New Jersey
Source Material License No. SMB-743, Decommissioning

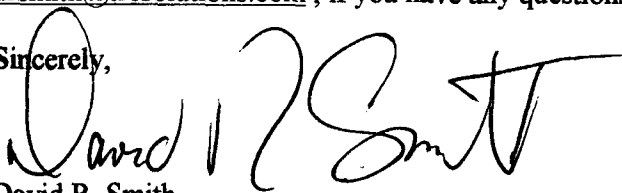
Dear Mr. Hayes:

Enclosed for your use and information are the three items you requested during our conference call of April 24, 2008 concerning the Shieldalloy Metallurgical Corporation's (SMC's) proposal for sampling the slag and baghouse dust piles and conducting leach analysis on those samples of the slag and baghouse dust materials.

David Hay, TRC, gave a detailed presentation during the conference call describing modifications to the analytical methodology SMC was proposing to use to calculate the apparent Kd values necessary to input into the RESRAD model. The first attachment is Dr. Hay's write up of his presentation. The other two items attached per your requested are the Standard Operating Procedure (SOP) that our contract laboratory, Outreach Laboratory normally use for SPLP Extraction - EPA SW846, 1312 and the final attachment is the Specific Proposed Modifications of the Method 1312 for Determination of Kd on SMC Storage Yard Materials. Once you and your staff approve our proposed modification to the SPLP method, it is our intent to have Outreach Laboratory modify their SOP accordingly.

Please do not hesitate to contact me at (856) 362-8680 [W], (860) 681-1835 [C] or via e-mail at drsmith@trcsolutions.com, if you have any questions.

Sincerely,



David R. Smith

cc:

electronically

w/encl. David White, SMC

Jean Oliva, TRC

Carol D. Berger, IEM

Matias F. Travieso-Diaz, Pillsbury law

Robert B. Haemer, Pillsbury law

David Hay, TRC

John J. Hayes, USNRC-FSME-DWMEP-DURLD