



SOVEREIGN CONSULTING INC.

J-5

October 19, 2000

Mr. Steve W. Shaffer, Health Physicist
Decommissioning and Laboratory Branch
United States Nuclear Regulatory Commission
Region I, Mail Control No. 124941
475 Allendale Road
King of Prussia, PA 19406

STB-1451
040-08843

Re: Prometcor, Inc., Soil Sampling Plan and Thorium Release Criteria for Excavated Soils Removed from Building 6 and Parking Lot Areas (NRC License STB-1451)

Dear Mr. Shaffer:

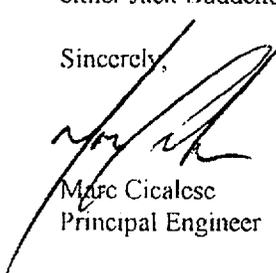
On behalf of Prometcor, Inc. (formerly Ronson Metals), Sovereign Consulting Inc. (Sovereign) has prepared a soil sampling plan for soils that will be excavated during the decommissioning of Building 6 and the Parking Lot areas at Prometcor's 55 Manufacturer's Place site. The sampling plan is designed to qualify the soils for release for unrestricted use and is consistent with the NRC-approved sampling approach used for the release of the excavated soils removed from Buildings 1-5 area. Accordingly, the sampling plan is presented below.

Sampling of the excavated material will consist of two composite samples per soil pile and each pile will not exceed 30 yd³ in size. Each composite sample will be collected from 3-4 sampling locations within each pile and will be equally spaced across that pile. At each sample location, an aggregate soil sample will be collected over a depth that will either range from the surface to the bottom of each pile or from the surface to a depth of four to five feet. Each soil sample will be sampled for Ac-228/Th-228 via gamma spectroscopy. If the laboratory results indicate that Th-228 levels are less than or equal to 8 pCi/g, then analysis for Th-230 and Th-232 will not be performed. However, if the Th-228 results are >8 pCi/g and less than 10 pCi/g, we will have the laboratory analyze for Th-230 and Th-232 to determine if the total thorium is less than or equal to our limit of 10 pCi/g.

As agreed upon during your phone conversation with Jack Buddenbaum (RSO) last week, we will proceed with implementing the above plan at the Prometcor Site Decommissioning unless we hear otherwise from the USNRC.

If you have any questions or comments regarding the above sampling plan or related matters please do not hesitate to call either Jack Buddenbaum (216) 272-7799 or myself at (973) 439-5757.

Sincerely,



Marc Cicalese
Principal Engineer

cc: Mr. Daryl Holcomb, Dr. Edward David

NMSS/RGN MATERIALS-002