MORRISON KNUDSEN CORPORATION

MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: March 3, 1997

TO: Distribution

FROM: Julie Reitinger

SUBJECT: **SAMPLING REQUIREMENTS FOR PCBS IN SOUTHEAST DRAINAGE**

Sampling of soils at Location 137 (Radiological location 025) for PCBs is required to obtain a volume estimate for engineering design purposes. Previous characterization activities for the CERCLA documentation showed that PCB contamination was present but was not considered a significant risk requiring removal. Location 025 is being remediated for radiological compounds that exceed the removal concentrations defined by the Engineering Evaluation/Cost Analysis (EE/CA) prepared for the Southeast Drainage. PCB compounds have been detected in the soils that will be removed. One sample shows a concentration above the regulatory level of 50 ppm for management of waste. Therefore, there is a need to determine what soils will require special handling and waste management procedures during removal. This memorandum will serve as the sampling plan that will detail the requirements for sampling of these soils.

Sampling will be conducted at Location 137 in the Southeast Drainage which is surveyed and marked as radiological Location 025. A 3 foot x 3 foot grid will be placed over the area with the centerpoint located at Location 137. Measurements will be taken to ensure that locations are properly identified and recorded in the logbook. Samples will be taken at the centerpoint, and at each of the corner of the grid for a total of five additional soil locations. These locations will be identified as A (centerpoint), B (north), C (east), D (south), and E (west). Three sample depths will be taken at 0-6 inches, 6-12 inches, and 12 - 22 inches. Bedrock was previously encountered at 22 inches.

Samples will be collected using a hand auger and equipment will be decontaminated between samples. Samples will be identified using the sample identifier of SO-495137, sample location A, B, C, D, or E, and depth indicator of 01, 02, or 03. For example; the soil sample taken from the centerpoint at 6-12 inches will be identified as SO-495137-02A. Soil samples will be taken in 250 ml amber glass jars to be analyzed by SW-846 method 8080 at an off-site laboratory with a 7-day turnaround request. Quality assurance samples will also be collected including an equipment blank, a matrix spike/matrix spike duplicate and a field replicate.

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Soil samples with total PCBs in excess of 50 ppm will be designated as soil that will required to be managed as PCB wastes and a soil volume will be calculated for use in the design specifications for the remedial action contract.

John R. Thompson — 3/3/97

Data Administration Manager — Date

S. Worthy for PDC — 3-4-97

Project Quality Manager — Date

Steve Warren — 03/04/97

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