

File In Docket

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*J. A. Rode*

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**COMBUSTION ENGINEERING**

November 18, 1988

Bruce S. Mallett, Ph.D., Chief  
Nuclear Materials Safety and Safeguards Branch  
U. S. Nuclear Regulatory Branch  
799 Roosevelt Road  
Glen Ellyn, IL 60237

Dr. Mallett:

As requested by your letter dated November 3, 1988, enclosed is a listing of requirements that we will meet for removal of contaminated soil in the new building construction area. The options which may be used for disposal of contaminated soil are also listed.

Contaminated soil removed from the site of the utilities/support building will not affect the construction of the pellet building. We expect to have the contaminated area under roof prior to beginning the removal of contaminated soil in locations 4 and 5. Soil removed during excavation for the piers along the east edge of Building 240 will be isolated and contained until the contamination level has been assured and then dispositioned appropriately.

Please advise us if further information is required.

Cordially,

*J. A. Rode*

J. A. Rode,  
Plant Manager

JAR/88/15159

Enclosure

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## REMOVAL AND DISPOSAL OF CONTAMINATED SOIL FROM CORE SAMPLE LOCATIONS #4 AND 5

### I. Soil Removal

The following requirements will be met for removal of contaminated soil:

1. The area will be designated as a controlled area. Protective clothing will be worn and individuals, vehicles and equipment surveyed and released prior to exiting the controlled area.
2. Contractor personnel will receive Radiation Protection Training prior to working in the contaminated area.
3. Removal of contaminated soil will be overseen by a Health Physics Technician. A trained Escort will be present to assure compliance with radiation protection/security requirements.
4. The Health Physics Technician will document daily activities and keep records of surveys. Any deviation from the radiation protection requirements will be promptly reported to the NLS&A Supervisor, who will see that necessary corrective action is taken.

Removal of the contaminated soil under the above requirements will begin after removal of the overlying asphalt and concrete, which has been decontaminated to unrestricted use levels.

### II. Soil Disposal

Disposal of contaminated soil will be in accordance with the NRC position paper, options 1 and 2.

1. Soil left in place (to be covered with the new concrete floor) will be below the unrestricted release limit of 30 picocuries/gram.
2. Permission will be requested to bury on site soil that is above 30 picocuries/gram, but is below 100 picocuries/gram for soluble uranium and 250 picocuries/gram for insoluble uranium. This soil would then be covered with a minimum of 4 feet of clean overfill.
3. Soil contaminated above the 100/250 limits will be packaged in metal tote boxes (B-25 containers) for shipment to a licensed burial site.