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**PROCEDURES THAT WILL BE USED IF THE
PROCESS AREA TRASH COMPACTOR'S
RADIONUCLIDE EMISSION LEVELS EXCEED ITS
ALLOWABLE LIMITS**

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**WEMCO:EC:QA:92-081
WEMCO/SW OHIO AIR POLLUTION
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LETTER**

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Westinghouse
Environmental Management
Company of Ohio

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WEMCO:EC&QA:92-081

February 14, 1992

Ms. Monica Meder
Environmental Scientist I
Southwestern Ohio Air Pollution
Control Agency
1632 Central Parkway
Cincinnati, Ohio 45210

Dear Ms. Meder:

**PROCEDURES THAT WILL BE USED IF THE PROCESS AREA TRASH COMPACTOR'S
RADIONUCLIDE EMISSION LEVELS EXCEED ITS ALLOWABLE LIMITS**

Presently, the FEMP has not developed Standard Operating Procedures for the Process Area Trash Compactor. When these are completed, they will comply with the requirements for ambient airborne limits for operation. These limits have been identified as levels lower than the emission limits allowed in the draft terms and conditions.

These limits are set in accordance with DOE Order 5480.11, "Radiation Protection For Occupational Workers". The ambient airborne radioactivity concentrations from the trash compactor will be limited to 10% of the Derived Air Concentration (DAC) for the isotope of concern. This isotope is Uranium-238 for the trash compactor.

The DAC for U-238 is 2.0×10^{-11} microcuries per cubic centimeter. If the results from sampling of the ambient air in the compactor area exceed 10% of this level, then standard operating procedure would require shutdown of operation until an evaluation can be made to determine the root cause of elevated airborne activities.

If there are any questions concerning this matter, please contact Ervin Fisher of my staff at (513) 738-6053.

Very truly yours,


Ellery D. Savage, Manager
Environmental Compliance and Quality Assurance

EF/JFJ

Ms. Monica Meder

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c: S. M. Beckman
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AR Files
Central Files