

Specialty Chemicals

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March 7, 2000

Certified Mail:
Z-280-035-546

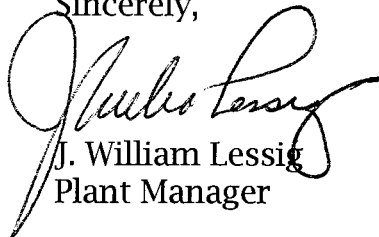
Region III
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
801 Warrenville Road
Lisle, Illinois 60532-4351

Gentlemen:

Subject: SUB-526
Docket No. 40-3392

We have enclosed two (2) copies of our "Facility Effluent Report" representing the period of July 1, 1999 to January 1, 2000.

Sincerely,



J. William Lessig
Plant Manager

JWL/sm

Enclosure: Facility Effluent Report (2)

cc: Director, Nuclear Material Safety & Safeguards
Nuclear Regulatory Commission
Washington, D.C. 20555
Enclosure: 6 copies

R. Boucher - (MEY-4)
M. L. Shepherd
W. M. Davis
H. C. Roberts
File

Mr. Steven C. Collins
IL Dept. of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62704

Ms. Leslie Fields
Licensing Section 2, Licensing Branch
Division of Fuel Cycle Safety
& Safeguards, NMSS
US Nuclear Regulatory Commission
Washington, D.C. 20555-0001

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FACILITY EFFLUENT REPORT

TYPE OF FACILITY:

UF₆ Conversion

LICENSE:

Source Materials No. SUB-526

Docket No. 40-3392

FACILITY ADDRESS:

Honeywell - Metropolis Works

P. O. Box 430

Metropolis, IL 62960

REPORTING PERIOD:

July 1, 1999 - January 1, 2000

GASEOUS EFFLUENTS:

1. The average release rate for the reporting period = $5.9E^5$ ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

Uranium (Nat.)	=	0.108 curies (measured)
Ra ²²⁶	=	$8.51 E^{-6}$ curies (Note 1)
Th ²³⁰	=	$1.49 E^{-4}$ curies (Note 1)

LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2115 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	0.30 curies (measured)
Ra ²²⁶	=	$5.13 E^{-3}$ curies (measured)
Th ²³⁰	=	$5.17 E^{-4}$ curies (measured)

NOTES 1:

Calculated from measured Th²³⁰ and Ra²²⁶ content of the various types of ore concentrates processed during the reporting period. As the ratio from exit points of these nuclides to uranium is assumed to be the same as in the concentrates, this calculation results in conservative (high) reported quantities.