Honeywell

Specialty Chemicals
Honeywell
Route 45 North
P.O. Box 430
Metropolis, IL 62960

618 524-2111
618 524-6239 Fax

October 30, 2000

Certified Mail:
7083-4529

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 January 1, 2000 to June 30, 2000. Second quarter results were not received from the testing laboratory until mid-October. The laboratory was in the process of relocating to another city. This caused the delay in the issuance of this report.

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:

UF_6 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:

January 1, 2000 – June 30, 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.)	=	$7.73E^{-2}$ curies (measured)
Ra^{226}	=	$8.31\ E^{-6}$ curies (Note 1)
Th^{230}	=	$1.30\ E^{-4}$ curies (Note 1)

LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2354 GPM.

2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	0.45 curies (measured)
Ra^{226}	=	$3.81\ E^{-3}$ curies (measured)
Th^{230}	=	$1.33\ E^{-3}$ curies (measured)

NOTES 1:

Calculated from measured Th^{230} and Ra^{226} 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.