

Specialty Materials

Honeywell
P.O. Box 430
Highway 45 North
Metropolis, IL 62960

618 524-2111
618 524-6239 Fax

August 18, 2005

(UPS: 404-562-4731)

Region II
U.S. Nuclear Regulatory Commission
Sam Nunn Atlanta Federal Center
61 Forsyth St. SW Suite 23T85
Atlanta, GA 30303-8931

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, 2005 through June 30, 2005.

Sincerely,



David B. Edwards
Plant Manager

DBE/sm

Enclosure: Facility Effluent Report (2)

cc: Director, Nuclear Material Safety & Safeguards (UPS - 301-415-8147)
U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Mail Stop T-8A33, Two Flint N., 11545 Rockville Pike
Rockville, MD 20852-2738

Enclosure: 6 copies

File
R. Morehead - (MEY-4)

ALARA Committee: C. Flannery, D. Heine, D. Mays, P. Pack, E. Murphy,
D. Edwards, B. Vandermeulen, B. Klinghammer,
H. Cook, M. Ginzal

Mr. Steven C. Collins
IL Emergency Management Agency
1035 Outer Park Drive
Springfield, IL 62704

Mr. Mike Raddatz
US Nuclear Regulatory Commission
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Two White Flint N., 11545 Rockville Pike
Washington, D.C. 20852-2738

Phone: (UPS 301-415-6334)

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:

January 1, 2005 - June 30, 2005

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:

January 1 - June 30, 2005

Uranium (Nat.)	=	$6.69 E^{-2}$ curies (measured)
Ra ²²⁶	=	$4.18 E^{-6}$ curies (Note 1)
Th ²³⁰	=	$6.95 E^{-5}$ curies (Note 1)

LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2368 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	$1.54 E^{-1}$ curies (measured)
Ra ²²⁶	=	$3.06 E^{-3}$ curies (measured)
Th ²³⁰	=	$9.27 E^{-4}$ 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.