

Specialty Materials

Honeywell
P.O. Box 430
Highway 45 North
Metropolis, IL 62960
618 524-2111
618 524-6239 Fax

February 27, 2008

(UPS: 301-415-8147)

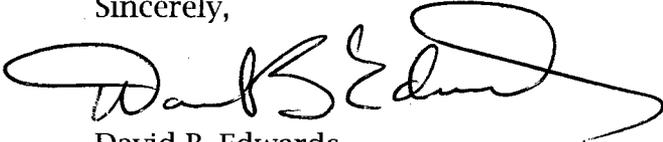
Director, Nuclear Material Safety & Safeguards
U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Mail Stop T-8A33, Two Flint N., 11545 Rockville Pike
Rockville, MD 20852-2738

Gentlemen:

Subject: SUB-526
Docket No. 40-3392

We have enclosed six (6) copies of our "Facility Effluent Report" representing the period of July 1, 2007 through December 31, 2007.

Sincerely,



David B. Edwards
Plant Manager

Enclosure: Facility Effluent Report (6)

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

(UPS: 404-562-4731)

Enclosure: 2 copies

File
R. Morehead - (MEY-4)

ALARA Committee: D. Heine, D. Mays, W. DeLand, D. Edwards,
J. Cybulski, B. Klinghammer, S. Patterson, L. Litinski,
R. Stokes, N. Rodgers, L. Goodman, L. Parscale, M. Millman,

JIE17

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

US Nuclear Regulatory Commission
Attention: Mr. Mike Raddatz, Sr. Proj Mgr
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Two White Flint North, 11545 Rockville Pike
Rockville, MD 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:

July 1, 2007 - December 31, 2007

GASEOUS EFFLUENTS:

1. The average release rate for the reporting period = $5.5E^5$ ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

July 1 - December 31, 2007

Uranium (Nat.)	=	$7.10 E^{-2}$ curies (measured)
Ra ²²⁶	=	$1.29 E^{-5}$ curies (Note 1)
Th ²³⁰	=	$1.17 E^{-4}$ curies (Note 1)

LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2694 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	$3.75 E^{-1}$ curies (measured)
Ra ²²⁶	=	$4.12 E^{-3}$ curies (measured)
Th ²³⁰	=	$3.23 E^{-3}$ 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.

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