

Specialty Materials

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

February 20, 2009

(UPS: 301-415-8147)

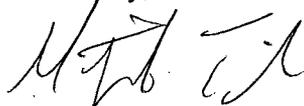
Director, Nuclear Material Safety & Safeguards
U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Mail Stop T-8A33, Two Flint N., 11545 Rockville Pike
Rockville, MD 20852-2738

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, 2008 through December 31, 2008.

Sincerely,



Mitch Tillman
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: T. Barnes, D. Heine, M. Torres, M. Tillman, J. Cybulski, D. Lillie,
T. Goins, S. Patterson, L. Litinski, R. Stokes, N. Rodgers, M. Greeno

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

US Nuclear Regulatory Commission
Attention: Mr. Mike Raddatz
Fuel Cycle Licensing Branch
Mail Stop: EBB-C40M
Two White Flint North, 11545 Rockville Pike
Rockville, MD 20852-2738

Phone: (UPS: 301-492-3108)

JE17

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, 2008 – December 31, 2008

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:

	<u>July 1 – December 31, 2008</u>
Uranium (Nat.)	= $6.10 E^{-2}$ curies (measured)
Ra ²²⁶	= $6.21 E^{-6}$ curies (Note 1)
Th ²³⁰	= $5.18 E^{-5}$ curies (Note 1)

LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 1811 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	= $3.21 E^{-1}$ curies (measured)
Ra ²²⁶	= $1.12 E^{-3}$ curies (measured)
Th ²³⁰	= $7.72 E^{-4}$ 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.