Specialty Materials
Honeywell
P.O. Box 430
2768 North US 45 Road
Metropolis, IL 62960

February 22, 2011

Certified Mail
7009 1410 0001 3772 3452

Attention: Document Control Desk
Director, Office of Nuclear Material Safety Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

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, 2010, through December 31, 2010.

Sincerely,

Larry A. Smith
Plant Manager

Enclosure: Facility Effluent Report (6)

cc: U.S. Nuclear Regulatory Commission – Region II
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

Enclosure: 2 copies

File
R. Morehead – (MEY-4)

ALARA Committee: T. Barnes, D. Heine, L. Smith, D. Palmer, J. Cybulski,
S. Patterson, L. Litinski, R. Stokes, M. Greeno

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

Attention: Tilda Liu, NMSS Project Manager
Mail Stop EBB 2-C40M
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Email: tilda.liu@nrc.gov

NMSS01

Additional copies
Sent to PM

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:

July 1, 2010 – December 31, 2010

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, 2010
Uranium (Nat.)	=	$4.09\ e^{-2}$ curies (measured)
Ra^{226}	=	$1.19\ e^{-5}$ curies (Note 1)
Th^{230}	=	$7.93\ e^{-5}$ curies (Note 1)

LIQUID EFFLUENTS: (Note 2)

1. The average release rate for the reporting period = 2472 GPM.

2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	$1.03\ e^{0}$ curies (measured)
Ra^{226}	=	$2.62\ e^{-3}$ curies (measured)
Th^{230}	=	$8.89\ e^{-4}$ curies (measured)

NOTE 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.

NOTE 2: Quantities include stormwater effluent discharge.