Honeywell

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February 28, 2017

UPS/Next Day Air

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Subject: SUB-526
Docket No. 40-3392

Enclosed are six copies of our Facility Effluent Report representing the period of July 1, 2016, through December 31, 2016.

John Albritton
Plant Manager

Enclosure: Facility Effluent Report (6)

cc: ALARA Committee – J. Albritton, B Hunt, D. Craig, J. Cybulski, L. Litinski, S. Patterson, M. Wolf, R. Lindberg

U.S. Nuclear Regulatory Commission - Region II
245 Peachtree Center Ave. NE, Suite 1200
Atlanta, GA 30303

Adnan G. Khayyat
IL Emergency Management Agency
1035 Outer Park Drive
Springfield, IL 62704

Tilda Liu, Sr NMSS Project Manager
U.S. Nuclear Regulatory Commission - Region II
245 Peachtree Center Ave. NE, Suite 1200
Atlanta, GA 30303

NMSS01
RGN-II

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, 2016 – December 31, 2016

GASEOUS EFFLUENTS:

1. The average release rate for the reporting period = 5.5E+05 ACFM.

2. The principle radionuclides released are as follows:

		July 1 – December 31, 2016
Uranium (Nat.)	=	5.52E-2 curies (measured)
Ra^{226}	=	3.68E-5 curies (Note 1)
Th^{230}	=	4.83E-4 curies (Note 1)

LIQUID EFFLUENTS: (Note 2)

1. The average release rate for the reporting period = 2135 GPM.

2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	6.20E-1 curies (measured)
Ra^{226}	=	6.46E-3 curies (measured)
Th^{230}	=	2.85E-3 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 storm water effluent discharge.