

Performance Materials and Technologies

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

February 29, 2016

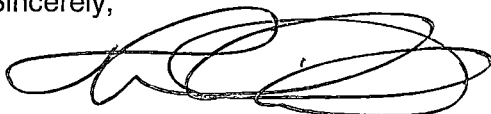
UPS/Next Day Air

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, 2015, through December 31, 2015. Due to an analytical reporting issue beyond the control of the facility, a follow-up effluent report will be submitted at a later date. Please refer to Note 3 on the attached reports for additional details.

Sincerely,



John Albritton
Plant Manager

Enclosure: Facility Effluent Report (6)

cc: ALARA Committee – J. Albritton, J. Smith, 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. Khayat
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

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, 2015 – December 31, 2015

GASEOUS EFFLUENTS: (Note 3)

1. The average release rate for the reporting period = 5.5E+05 ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

<u>July 1 – December 31, 2015</u>		
Uranium (Nat.)	=	6.71E-2 curies (measured)
Ra ²²⁶	=	5.13E-5 curies (Note 1)
Th ²³⁰	=	2.29E-4 curies (Note 1)

LIQUID EFFLUENTS: (Note 2)(Note 3)

1. The average release rate for the reporting period = 2388 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	7.82E-1 curies (measured)
Ra ²²⁶	=	6.53E-3 curies (measured)
Th ²³⁰	=	2.29E-3 curies (measured)

NOTE 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.

NOTE 2: Quantities include storm water effluent discharge.

NOTE 3: Reported values are an estimate due to temporary loss of samples at the off-site analytical laboratory. Lost samples have been located and analysis has been expedited. A follow-up effluent report with final results will be expeditiously submitted upon receipt of the missing sample results.