

Honeywell

THE POWER OF **CONNECTED**

Performance Materials & Technologies

2768 North U.S. 45 Road
P.O. Box 430
Metropolis, IL 62960
www.honeywell.com

August 30, 2018

UPS/Next Day Air

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

Docket No. 40-3392; License No. SUB-526
Subject: Honeywell Metopolis Works 6 Month Facility Effluent Report

Enclosed are six copies of Honeywell Metropolis Works Facility Effluent Report representing the period January 1, 2018 through June 30, 2018.

Sincerely,



Jeff Fulks
Plant Manager

Enclosure: Facility Effluent Report (6)

Cc:

ALARA Committee – Jeff Fulks, Sean Patterson, Jon Price, and Ernie Robinson

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

U.S. NRC Region II
Marquis One Tower
Attention: Tilda Liu
245 Peachtree Center Avenue N.E., Suite 1200
Atlanta, GA 30303

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

IE48
NM5501

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:

January 1, 2018 – June 30, 2018

GASEOUS EFFLUENTS:

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:

July 1, 2017 – December 31, 2017

Uranium (Nat.)	=	1.43E-4 curies (measured)
Ra ²²⁶	=	8.41E-8 curies (Note 1)
Th ²³⁰	=	1.14E-6 curies (Note 1)

LIQUID EFFLUENTS: (Note 2)

1. The average release rate for the reporting period = 897 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	3.06E-01 curies (measured)
Ra ²²⁶	=	2.17E-03 curies (measured)
Th ²³⁰	=	1.00E-03 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.