Honeywell
THE POWER OF **CONNECTED**

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February 22nd, 2022

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 July 1 through December 31, 2021.

Sincerely,

Brian Hunt
Plant Manager

IE48
NMSSD1
NMSS

Enclosure: Facility Effluent Report (6)

Cc:
ALARA Committee – Jeff Fulks, Brian Hunt, Jessica Carillo Morris, Sean Patterson, and Jon Price

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

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

US NRC
Osiris Siurano – Project Manager
Fuel Facility Licensing and Oversight Branch
Division of Fuel Cycle Safety, Safeguards, and Environmental Review
Office of NMSS
11555 Rockville Pike
Rockville, MD 20852

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, 2021 – December 31, 2021

GASEOUS EFFLUENTS:

1. The average release rate for the reporting period = 1.3×10^{4} ACFM.

2. The principle radionuclides released are particulate, oxides and fluorides as follows:

Uranium (Nat.)	=	2.15×10^{-4} curies (measured)
Ra^{226}	=	1.27×10^{-7} curies (Note 1)
Th^{230}	=	1.72×10^{-6} curies (Note 1)

LIQUID EFFLUENTS: (Note 2)

1. The average release rate for the reporting period = 493 GPM.

2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	6.86×10^{-2} curies (measured)
Ra^{226}	=	1.29×10^{-3} curies (measured)
Th^{230}	=	5.83×10^{-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 storm water effluent discharge.