

Honeywell

THE POWER OF CONNECTED

Performance Materials & Technologies

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August 30th, 2021

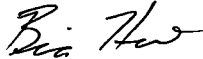
UPS/Next Day Air

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 through June 30, 2021.

Sincerely,



Brian Hunt
Plant Manager

Enclosure: Facility Effluent Report (6)

Cc:

ALARA Committee – Brian Hunt, Jessica Carillo Morris, 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

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

IE48
NMSSD1
NMSS

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, 2021 – June 30, 2021

GASEOUS EFFLUENTS:

1. The average release rate for the reporting period = 9.5×10^3 ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

Uranium (Nat.)	=	2.45×10^{-5} curies (measured)
Ra ²²⁶	=	1.44×10^{-8} curies (Note 1)
Th ²³⁰	=	1.96×10^{-7} curies (Note 1)

LIQUID EFFLUENTS: (Note 2)

1. The average release rate for the reporting period = 967 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	7.67×10^{-2} curies (measured)
Ra ²²⁶	=	2.45×10^{-3} curies (measured)
Th ²³⁰	=	2.74×10^{-4} 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.