

# Honeywell

THE POWER OF **CONNECTED**

## Performance Materials & Technologies

2768 North U.S. 45 Road  
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Metropolis, IL 62960  
www.honeywell.com

August 31<sup>st</sup>, 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 January 1 through June 30, 2022.

Sincerely,



Brian Hunt  
Plant Manager

Enclosure: Facility Effluent Report (6)

Cc:

ALARA Committee – Jeff Fulks, Brian Hunt, Jessica Carillo Morris, Sean Patterson, and Michael Dawson

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

NMSS01  
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:**

Januray 1, 2022 – June 30, 2022

**GASEOUS EFFLUENTS:**

1. The average release rate for the reporting period =  $1.4 \times 10^5$  ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

Uranium (Nat.)	=	$1.95 \times 10^{-3}$ curies (measured)
Ra <sup>226</sup>	=	$2.82 \times 10^{-4}$ curies (Note 1)
Th <sup>230</sup>	=	$9.17 \times 10^{-5}$ curies (Note 1)

**LIQUID EFFLUENTS: (Note 2)**

1. The average release rate for the reporting period = 732 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	$1.14 \times 10^{-1}$ curies (measured)
Ra <sup>226</sup>	=	$1.68 \times 10^{-3}$ curies (measured)
Th <sup>230</sup>	=	$9.21 \times 10^{-4}$ curies (measured)

**NOTE 1:** Calculated from a measured ratio of Th<sup>230</sup> and Ra<sup>226</sup> compared to total uranium collected at environmental air sample locations around the facility. These ratios were then used to determine Th<sup>230</sup> and Ra<sup>226</sup> activity discharged based upon measured uranium from process stacks and fans.

**NOTE 2:** Quantities include storm water effluent discharge.

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