

**Specialty Materials**

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Region II  
U.S. Nuclear Regulatory Commission  
Sam Nunn Atlanta Federal Center  
61 Forsyth St. SW Suite 23T85  
Atlanta, GA 30303-8931

Gentlemen:

Subject: SUB-526  
Docket No. 40-3392

We have enclosed two (2) copies of our "Facility Effluent Report" representing the period of July 1, 2006 through December 31, 2006.

Sincerely,



David B. Edwards  
Plant Manager

Enclosure: Facility Effluent Report (2)

cc: Director, Nuclear Material Safety & Safeguards (UPS - 301-415-8147)  
U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Mail Stop T-8A33, Two Flint N., 11545 Rockville Pike  
Rockville, MD 20852-2738

Enclosure: 6 copies

File  
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## FACILITY EFFLUENT REPORT

### TYPE OF FACILITY:

UF<sub>6</sub> 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, 2006 - December 31, 2006

### GASEOUS EFFLUENTS:

1. The average release rate for the reporting period =  $5.9E^5$  ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

July 1 - December 31, 2006

Uranium (Nat.)	=	5.36 E <sup>-2</sup> curies (measured)
Ra <sup>226</sup>	=	8.47 E <sup>-6</sup> curies (Note 1)
Th <sup>230</sup>	=	1.17 E <sup>-4</sup> curies (Note 1)

### LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2786 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	3.38 E <sup>-1</sup> curies (measured)
Ra <sup>226</sup>	=	2.26 E <sup>-3</sup> curies (measured)
Th <sup>230</sup>	=	2.25 E <sup>-3</sup> curies (measured)

### NOTES 1:

Calculated from measured Th<sup>230</sup> and Ra<sup>226</sup> 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.