

Specialty Chemicals  
Honeywell  
Route 45 North  
P.O. Box 430  
Metropolis, IL 62960  
618 524-2111  
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March 7, 2000

Certified Mail:  
Z-280-035-546

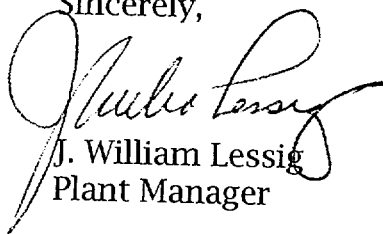
Region III  
U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
801 Warrenville Road  
Lisle, Illinois 60532-4351

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, 1999 to January 1, 2000.

Sincerely,



J. William Lessig  
Plant Manager

JWL/sm

Enclosure: Facility Effluent Report (2)

cc: Director, Nuclear Material Safety & Safeguards  
Nuclear Regulatory Commission  
Washington, D.C. 20555  
Enclosure: 6 copies

R. Boucher - (MEY-4)  
M. L. Shepherd  
W. M. Davis  
H. C. Roberts  
File

Mr. Steven C. Collins  
IL Dept. of Nuclear Safety  
1035 Outer Park Drive  
Springfield, IL 62704

Ms. Leslie Fields  
Licensing Section 2, Licensing Branch  
Division of Fuel Cycle Safety  
& Safeguards, NMSS  
US Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

IE17

## 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, 1999 - January 1, 2000

### 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:

Uranium (Nat.)	=	0.108 curies (measured)
Ra <sup>226</sup>	=	$8.51 E^6$ curies (Note 1)
Th <sup>230</sup>	=	$1.49 E^4$ curies (Note 1)

### LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2115 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	0.30 curies (measured)
Ra <sup>226</sup>	=	$5.13 E^3$ curies (measured)
Th <sup>230</sup>	=	$5.17 E^4$ 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.

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