

January 30, 2003

Honeywell  
Specialty Chemicals  
ATTN: Mr. J. William Lessig, Plant Manager  
Route 45 North  
P.O. Box 430  
Metropolis, IL 62960

SUBJECT: HONEYWELL - MATERIALS LICENSE NO. SUB-526 LICENSE  
AMENDMENT 15 (TAC NO. L52501)

Dear Mr. Lessig:

The U.S. Nuclear Regulatory Commission (NRC) staff has completed its review of Honeywell Specialty Chemicals (Honeywell) license application amendment request by letters dated November 12, 2002, and January 20, 2003. The staff reviewed the changes and found them acceptable. The changes were mostly administrative and grammatical in content, with a few small procedural changes to reflect the current process of doing business (see enclosure).

The staff also determined that the proposed changes were minor in nature, and do not adversely affect public health and safety or the environment, and are categorically excluded from the requirement to prepare a site-specific environmental assessment. Therefore, in accordance with 10 CFR 51.22(c)(11), neither an environmental assessment nor an environmental impact statement is warranted for this action.

These changes to Materials License SUB-526 (enclosed) were discussed between Marshall Shepherd and John Lusher, the NRC Project Manager for the Honeywell facility, on January 23, 2002. If you have any questions concerning this letter or the enclosure, please contact Mr. Lusher at (301)415-7694 or by e-mail to [JHL@nrc.gov](mailto:JHL@nrc.gov).

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the

Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

**/RA/**

Daniel M. Gillen, Chief  
Fuel Cycle Facilities Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Docket 40-3392  
License SUB-526  
Amendment 15

Enclosures: Materials License SUB-526  
Summary of Changes

W. Lessig

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January 30, 2003

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Sincerely,

**/RA/**

Daniel M. Gillen, Chief  
Fuel Cycle Facilities Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
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Docket 40-3392  
License SUB-526  
Amendment 15

Enclosures: Materials License SUB-526  
Summary of Changes

Distribution: **(CLOSES TAC NO. L52501)**  
M. Raddatz FCLB r/f ACNW

Accession No. ML030350347

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<b>OFC</b>	FCFB		FCFB		FCFB		FCFB	
<b>NAME</b>	JLusher*		B Garrett*		G Janosko*		D Gillen	
<b>DATE</b>	01/23/03		01/24/03		01/24/03		01/30/03	

\*see previous concurrence

**OFFICIAL RECORD COPY**

## MATERIALS LICENSE

CORRECTED COPY

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and the applicable parts of Title 10, Code of Federal Regulations, Chapter I, Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 51, 70, and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. Honeywell Internatonal, Inc.		3. License Number SUB-526, Amendment 15
2. P.O. Box 430 Metropolis, Illinois 62960		4. Expiration Date June 30, 2005
		5. Docket No. 40-3392 Reference No.
6. Byproduct Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum amount that Licensee May Possess at Any One Time Under This License
A. Natural uranium	A. Yellow cake, $U_3O_8$ , $UO_2$ , $UO_3$ , $UF_4$ , $UF_6$	A. 68 million kg (150 million lbs)
B. Cs-137	B. Sealed sources	B. 100 millicuries
C. Any licensed material between atomic numbers 1-100	C. Quality control samples	C. 1 $\mu$ Ci total
D. Depleted uranium	D. Yellowcake, $U_3O_8$ ,	D. 68 kg (150 lbs) $UO_2$ , $UF_4$ , $UF_6$
E. Unirradiated uranium	E. $UF_4$	E. 4080 kg (9,000 lbs)
9. Authorized place of use: The licensee's existing facilities at Metropolis, Illinois.		
10. Authorized use: For use in accordance with the statements, representations, and conditions in Chapters 1 through 7 of the application dated September 23, 1998, and enclosure dated October 1, 1998, and with supplements dated December 1, 1998, and March 29, December 2, and December 7, 1999, and September 5, November 30, December 19, and December 22, 2000, April 12, 2001, and January 20, 2003.		
11. The licensee shall maintain and execute the response measures in the Radiological Contingency Plan (Emergency Response Plan) dated August 15, 1993, and as amended by letters dated March 19 and 30, 1999, and June 12, 2000, or as provided by the licensee consistent with 10 CFR Section 40.35(f).		

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
SUB-526Docket or Reference Number  
40-3392Amendment No. 15  
CORRECTED COPY

12. The licensee is hereby granted the special authorizations in Chapter 1, Sections 1.6.1, 1.6.2, 1.6.3, and 1.6.8.
13. The average concentration of uranium in calcium fluoride released to each commercial organization, for any consecutive 12-month period, shall not exceed 212 pCi/gram.
14. Safety features of the facility that are identified as critical to the safe operation of the process and are under the control of a distributed control system (DCS) computer interlock shall meet the following requirements. The software or computer code that contains the program for interlocks or process controllers shall be documented and maintained as part of the plant Process Safety Information and shall be subject to the licensee process modification procedure (PT-101), after licensed material is introduced into the system.
15. The Metropolis Works PSM mechanical integrity program, shall be in place before the Uranium Hexafluoride Deconversion Pilot Plant begins operation.
16. The licensee shall meet all financial assurance requirements within 30 days of the closing of ownership transfer of assets.
17. Notwithstanding the date of Amendment 13, this amendment becomes effective on the date of the closing of ownership transfer of assets.
18. Notwithstanding the requirements of License Condition 10, NRC License Chapter 1, Section 1.2 Site Location, Page 1-1 is modified to read as shown below. This License Condition expires on July 31, 2001.

**1.2 Site Location**

The Allied Signal Metropolis Plant is located on approximately 1,000 acres of land in Massac County at the southern tip of Illinois, along the north bank of the Ohio River. The site perimeter is formed by U. S. Highway 45 to the north, the Ohio River to the south, an industrial coal blending plant to the west and privately owned, developed land to the east. Plant operations are conducted in a single fenced-in, restricted area covering approximately 59 acres in the north-central portion of the site.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Date: January 30, 2003

By: \_\_\_\_\_  
Daniel M. Gillen, Chief  
Fuel Cycle Facilities Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards