NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 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.

1.	Lice Monsanto Company	See In accordance with letter dated October 22, 2019. 4. Expiration Date: May 31, 2024
2.	800 North Lindbergh Bo Mail Zone R3B St. Louis, MO 63167	evard 3. License number: 24-32488-01 is amended in its entirety to read as follows: 5. Docket No.: 030-36488 Reference No.:
6.	Byproduct, source, and/or special nuclear material	 Chemical and/or physical form Maximum amount that licensee may possess at any one time under this license Authorized use
Α.	Any byproduct material with Atomic Numbers 1 through 83	A. Any A. Not to exceed 100 millicuries of each radionuclide; total possession not to exceed 5 curies
В.	Hydrogen-3	B. Any B. 5 curies total B. Same as Subitem No. 9.A.
C.	Carbon-14	C. Any C. 5 curies total C. Same as Subitem No. 9.A.
D.	Phosphorus-32	D. Any D. 1 curie total D. Same as Subitem No. 9.A.
E.	Phosphorus-33	E. Any E. 2 curies total E. Same as Subitem No. 9.A.
F.	Sulfur-35	F. Any F. 5 curies total F. Same as Subitem No. 9.A.
G.	lodine-125	G. Any G. 0.5 curies total G. Same as Subitem No. 9.A.

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	CONDIT	IONS
 Licensed material shall be used or s A. 700 Chesterfield Parkway, St. Lo B. 800 North Lindbergh Boulevard, 	uis, Missouri, 63167	located at:
11. The Radiation Safety Officer (RSO)	for this License is Christina R. Alle	en, M.P.H.
12. Licensed material shall only be used Christina R. Allen, M.P.H.	d by, or under the supervision of, in	ndividuals designated by the licensee's Radiation Safety Officer,
13. Licensed material shall not be used	in or on humans except as provide	ed otherwise by specific condition of this license.
14. The licensee shall not use licensed of this license.	material in field applications where	activity is released except as provided otherwise by specific condition
15. Experimental animals, or the produce human consumption.	cts from experimental animals, that ${\searrow} \star \star$	have been administered licensed materials shall not be used for
to account for all sources and/or de	vices received and possessed und	other intervals approved by the U.S. Nuclear Regulatory Commission er the license. Records of inventories shall be maintained for five des, quantities, manufacturer's name and model numbers, and the
17. Sealed sources or detector cells co	ntaining licensed material shall not	be opened or sources removed from source holders by the licensee

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	bee	en registered with the U.S. Nuclear R Sealed sources and detector cells s the certificate of registration issued	Regulatory Commission under 10 CFR 32 shall be tested for leakage and/or contain by the U.S. Nuclear Regulatory Commis s, sealed sources shall be tested for leaka	nat contains a sealed source unless the source or device has 32.210 or with an Agreement State. mination at intervals not to exceed the intervals specified in ission under 10 CFR 32.210 or by an Agreement State. In the cage and/or contamination at intervals not to exceed 6
	Β.	Notwithstanding Paragraph A of this and/or contamination at intervals no		primarily emit alpha particles shall be tested for leakage
	C.	Each sealed source fabricated by the to any use or transfer as a sealed		ed for construction defects, leakage, and contamination prior
	D.	registration issued by the U.S. Nucle	lear Regulatory Commission under 10 CF	as been made within the intervals specified in the certificate of CFR 32.210 or under equivalent regulations of an Agreement mother person shall not be put into use until tested and the
	E.		contain not more than 100 microcuries of	they contain only a radioactive gas; or the half-life of the of beta- and/or gamma-emitting material or not more than 10
	F.	or transferred to another person, an	nd have not been tested within the require	used; however, when they are removed from storage for use ired leak test interval, they shall be tested before use or ore than 10 years without being tested for leakage and/or

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	filed with the U.S. Nuclear Regulator immediately from service and decont H. Tests for leakage and/or contamination	nce of 185 becquerels (0.005 microcuries y Commission in accordance with 10 CF taminated, repaired, or disposed of in ac	s) or more of removable conta R 30.50(c)(2), and the source cordance with Commission re and analysis, shall be perform	imination, a report shall be shall be removed gulations. ned by the licensee or other
	I. Records of leak test results shall be	kept in units of becquerels (microcuries)	and shall be maintained for 3	years.
20.	The licensee is authorized to hold radioa disposal in ordinary trash, provided:	ctive material with a physical half-life of I	ess than or equal to 120 days	for decay-in-storage before
	radiation labels shall be removed or	e waste shall be surveyed at the container rposed shielding to determine that its rad obliterated, except for radiation labels on they have been released from the license	dioactivity cannot be distinguis materials that are within cont	shed from background. All
		itted under this license condition shall be oduct material was placed in storage, the measured at the surface of each waste	radionuclides disposed, the	survey instrument used, the
21.	Except as specifically provided otherwise representations, and procedures containe those procedures that are required to be regulations shall govern unless the state restrictive than the regulations.	ed in the documents, including any enclo submitted in accordance with the regula	osures, listed below. This lice tions. The U.S. Nuclear Regu	nse condition applies only to ulatory Commission's

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A. Application dated December 18, 2	013, excluding Appendix A regard	ling decommissioning financial assuranc	e (ML13360A104)
B. Letter dated May 8, 2014 (ML1414	1A362)		· · ·
C. Letter dated March 23, 2016 (ML1	6084A545) < <u>ARRE</u>	G11,	
D. Letter dated June 28, 2018 (ML18	180A202)	LA.	
E. Letter dated September 24, 2018 (ML18267A368)	· ~	
F. Letter dated October 3, 2018 (ML1	8276A157)	P	
G. Letter dated October 22, 2019 (ML	19350C523)	L	
H. Letter dated November 15, 2019 (ALL CALLER STAT	NOISS	
		FOR THE U.S. NUCLEAR REGULA	TORY COMMISSION

Colleen Carol Casey Region 3

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