U.S. NUCLEAR REGULAT	PAGE <u>1</u> OF <u>3</u> PAGES CORY COMMISSION Amendment No 22	
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy R Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, made by the licensee, a license is hereby issued authorizing the licens special nuclear material designated below; to use such material for the such material to persons authorized to receive it in accordance with the contain the conditions specified in Section 183 of the Atomic Energ regulations, and orders of the Nuclear Regulatory Commission now of	eorganization Act of 1974 (Public Law 93-438), and Title 10, Code of and 70, and in reliance on statements and representations heretofore ee to receive, acquire, possess, and transfer byproduct, source, and purpose(s) and at the place(s) designated below; to deliver or transfer regulations of the applicable Part(s). This license shall be deemed to ly Act of 1954, as amended, and is subject to all applicable rules, r hereafter in effect and to any conditions specified below.	
Licensee	In accordance with the letter dated	
	June 5, 2013,	
1. Department of the Army	3. License number 31-07595-01 is amended in	
Watervliet Arsenal	its entirety to read as follows:	
EARI	EGU	
2. Building 10, AMSTA-CO	4. Expiration date July 31, 2015	
1 Buffington Street	5. Docket No. 030-05533	
Watervliet, New York 12189-4000	Reference No.	
nuclear material A. Iron 55 A. Sealed Source IEC.D1) B. Cadmium 109 B. Sealed Source CUC.D1, IP M 9. Authorized use: CUC.D1, IP M A. and B. Possession and storage only in TN Techr that have been registered either with the U 10 CFR 32.210 or with an Agreement State Specific authorized by a Commission or Agreement devices.	(A/S Model A. 45 millicuries (A/S Model B. 5 millicuries (A/S Model B. 5 millicuries add XFB-3) Nologies Inc. Model No. 9277 x-ray florescent analyzer J.S. Nuclear Regulatory Commission under te and have been distributed in accordance with a license authorizing distribution to persons specifically ht State license to receive, possess, and use the	
CONDI	FIONS	
10. Licensed material may be used or stored only at the Watervliet, New York.	ne licensee's facilities located at Watervliet Arsenal,	
11. Licensed material shall be used by, or under the s	upervision of, Matthew K. Church.	
12. The Radiation Safety Officer for this license is Mat	thew K. Church.	
13. The licensee will take all actions that are within its the U.S. Nuclear Regulatory Commission within 30	ability to dispose of its material, notifying) days if disposal is achieved.	

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14.	A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.					
	В.	In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.				
	C.	Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.				
	D.	Sealed sources need not be tested if they are in s they are removed from storage for use or transfer within the required leak test interval, they shall be shall be stored for a period of more than 10 years contamination.	torage and are not being used; however, when red to another person and have not been tested tested before use or transfer. No sealed source without being tested for leakage and/or			
	E.	The leak test shall be capable of detecting the pre- radioactive material on the test sample. If the test (185 becquerels) or more of removable contaminat Regulatory Commission in accordance with 10 CF immediately from service and decontaminated, re Commission regulations.	esence of 0.005 microcurie (185 becquerels) of t reveals the presence of 0.005 microcurie ation, a report shall be filed with the U.S. Nuclear FR 30.50(c)(2), and the source shall be removed paired, or disposed of in accordance with			
	F.	Tests for leakage and/or contamination, including performed by the licensee or by other persons sp Commission or an Agreement State to perform su	leak test sample collection and analysis, shall be ecifically licensed by the U.S. Nuclear Regulatory ich services.			
	G.	Records of leak test results shall be kept in units 5 years.	of microcuries and shall be maintained for			
15.	Seal from	led sources or detector cells containing licensed ma source holders by the licensee.	terial shall not be opened or sources removed			
16.	The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed					

under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers,

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	and the date of the inventory.				
17.	Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.				
18.	The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."				
19.	Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.				
	 A. Application dated October 14, 20 B. Letter dated June 5, 2013 (ML13) 	04 (ML043060135) 184A313)			
	FIND X	* * * *			
	FIND X	For the U.S. Nuclear Regulatory Commission	١		
Date	July 10, 2013	For the U.S. Nuclear Regulatory Commission Original signed by Dennis R. Lawy	ו e <i>r</i>		