NRC FORM 374		PAGE <u>1</u> OF <u>4</u> PAGES					
U.S. NUCLEAR REGULATORY COMMISSION MATERIALS LICENSE							
Federal Regulations, Chapter made by the licensee, a licen special nuclear material desig such material to persons auth contain the conditions speci	gy Act of 1954, as amended, the Energy R or I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, nse is hereby issued authorizing the licens gnated below; to use such material for the norized to receive it in accordance with the ified in Section 183 of the Atomic Energ	LICENSE eeorganization 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 y Act of 1954, as amended, and is subject to all applicable rules, r hereafter in effect and to any conditions specified below.					
	Licensee						
1. Widetronix, Inc.		3. License number 31-35133-01					
	EAR						
2. 950 Danby Road, Si Ithaca, NY 14850	uite 139	4. Expiration date July 31, 2024					
111111111111111111111111111111111111111	2	5. Docket No. 03038719 Reference No.					
	6						
 Byproduct, source, and/or special nuclear material A. Hydrogen 3 B. Nickel 63 P. Authorized use: A. and B. Demonstration of betavoltaic batteries in research and development at temporary sites. Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license Maximum amount that licensee may possess at any one time under this license 							
CONDITIONS 10. Sealed Sources/Plated foils authorized for use are as follows:							
<u>Isotope</u>	Maximum Activity per Source	Maximum Activity per Battery					
Hydrogen 3	0.25 curies	2.5 curies					
Nickel 63	0.04 curies	0.4 curies					

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	Lino	need material may be used only at temperany isb sit	too of the licenses envulgers in the United State		
11.	whe	nsed material may be used only at temporary job sit re the U.S. Nuclear Regulatory Commission maintal erial, including areas of exclusive Federal jurisdiction	ins jurisdiction for regulating the use of licensed		
	cont site in A	e jurisdiction status of a Federal facility within an Ag tact the Federal agency controlling the job site in que is an area of exclusive Federal jurisdiction. Authoriz greement States not under exclusive Federal jurisdic latory agency.	estion to determine whether the proposed job zation for use of radioactive materials at job site		
12.		nsed material shall be used by, or under the supervi stopher Thomas, and Samuel Portnoff.	ision of, Jonathan Greene, Jeffrey Leavey,		
13.	The Radiation Safety Officer for this license is Jeffrey Leavey, CHP.				
14.	Batteries containing licensed material shall not be opened or sources removed from the batteries by the licensee at a temporary job site.				
15.	This	license does not authorize commercial distribution of	of licensed material.		
16.	The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.				
17.	U.S. unde inve	licensee shall conduct a physical inventory every six Nuclear Regulatory Commission, to account for all er the license. Records of inventories shall be main ntory and shall include the radionuclides, quantities, the date of the inventory.	sources and/or devices received and possessed tained for 5 years from the date of each		
18.	A.	Sealed sources shall be tested for leakage and/or months or at the intervals specified in the certificat Regulatory Commission under 10 CFR 32.210 or u State.	te of registration issued by the U.S. Nuclear		
	В.	Each sealed source fabricated by the licensee sha defects, leakage, and contamination prior to any u			
	C.	In the absence of a certificate from a transferor inc the intervals specified in the certificate of registration Commission under 10 CFR 32.210 or under equive the transfer, a sealed source received from another and the test results received.	ion issued by the U.S. Nuclear Regulatory alent regulations of an Agreement State, prior to		

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	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.	ed to another person an tested before use or trar	d hav sfer.	/e i N	not b lo se	een aled	tested
	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 contamina Regulatory Commission in accordance with 10 Cl immediately from service and decontaminated, re Commission regulations.	reveals the presence of ition, a report shall be file R 30.50(c)(2), and the s	0.00 d wit	5 n th t e sl	nicro the U hall b	curie I.S. N be re	e Nuclear
	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	cifically licensed by the					
	G.	Records of leak test results shall be kept in units 5 years.	of microcuries and shall b	e ma	aint	taine	d for	
19.		licensee is authorized to transport licensed materia Part 71, "Packaging and Transportation of Radioa		orovis	sior	ns of	10	
		No the	1 20°					
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SUPPLEMENTARY SHE	E1	
ccordance with the statements, repr cluding any enclosures, listed below nall govern unless the statements, r nd correspondence are more restric	resentations, an w. The U.S. Nu representations ctive than the re	nd procedures contained in the documents, uclear Regulatory Commission's regulations , and procedures in the licensee's application egulations.
		[ML14178B224]
UNITED STATES W	Huu Huu	ORY COMMISSION NO SOLUTION NO SOLUTIAN NO
	For th	e U.S. Nuclear Regulatory Commission
July 11, 2014	Ву	<i>Original signed by Elizabeth Ullrich</i> Elizabeth Ullrich Commercial, Industrial, R&D and Academic Branch
	SUPPLEMENTARY SHE	Letter and attachment dated June 23, 2014