



TEXAS
Health and Human
Services

**Texas Department of State
Health Services**

RADIOACTIVE MATERIAL LICENSE

Pursuant to the Texas Radiation Control Act and Texas Department of State Health Services (Department) regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the Department now or hereafter in effect and to any conditions specified below.

1. Name 2. Address	LICENSEE		3. License Number	L00197
	TEXAS DEPARTMENT OF TRANSPORTATION ATTN BRYAN BARRERA MATERIALS & TESTS DIVISION 125 E 11 TH ST AUSTIN TX 78701-2483		4. Expiration Date	March 31, 2024
			Amendment Number	204

This license is amended in accordance with correspondence dated March 21, 2023.

5. Radioisotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
A. Americium-241/Beryllium	A. Sealed source (QSA Model AMNV.997; EZ Model Am1.NO2)	A. 20 sources not to exceed 44 millicuries each	A. Measurement of physical properties using Humboldt Scientific Inc. (HSI) Model 5001 moisture/density gauge.
B. Americium-241/Beryllium	B. Sealed source (QSA Model AMNV.997; EZ Models Am1.NO2, 3021, 3027)	B. 350 sources not to exceed 44 millicuries each	B. Measurement of physical properties using Troxler Electronic Laboratories (TEL) Model 3400 series moisture/density gauge.
C. Americium-241/Beryllium	C. Sealed source (CPN Model CPN-131)	C. 10 sources not to exceed 50 millicuries each	C. Measurement of physical properties using CPN International Inc. (CPN) Model MC series Portaprobe moisture/density gauge.
D. Americium-241/Beryllium	D. Sealed source (QSA Model AMNV.340)	D. 31 sources not to exceed 100 millicuries each	D. Measurement of physical properties using TEL Model 3241 series moisture/density gauge.

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5. Radioisotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
E. Americium-241/Beryllium	E. Sealed source (QSA Model AMNV.339)	E. 1 source not to exceed 300 millicuries	E. Measurement of physical properties using TEL Model 3241 series moisture/density gauge.
F. Cesium-137	F. Sealed source (QSA Model CDC.805; EZ Model HEG-137)	F. 20 sources not to exceed 11 millicuries each	F. Measurement of physical properties using HSI Model 5001 moisture/density gauge.
G. Cesium-137	G. Sealed source (QSA Model CDCW556; EZ Model HEG-137)	G. 350 sources not to exceed 9 millicuries each	G. Measurement of physical properties using TEL Model 3400 series moisture/density gauge.
H. Cesium-137	H. Sealed source (CPN Model CPN-131)	H. 10 sources not to exceed 10 millicuries each	H. Measurement of physical properties using CPN Model MC series Portaprobe moisture/density gauge.
I. Cesium-137	I. Sealed source (QSA Model CDCW556; EZ Model HEG-137)	I. 16 sources not to exceed 9 millicuries each	I. Measurement of physical properties using TEL Model 4640 moisture/density gauge.

9. A. Radioactive material shall be stored and used at:

<u>Site Number</u>	<u>Location</u>
001	Abilene – 4250 North Clack Street
003	Amarillo – 5715 Canyon Expressway Drive
006	Atlanta – 701 East Main
007	Beaumont – 8350 U.S. Highway 69 North
011	Brenham – 1821 S.H. 105
012	Brownwood – 2495 U.S. 183 North
015	Burnet – 3029 East Highway 29
017	Carrizo Springs – 2001 North 1 st Street
022	Corpus Christi – 1701 South Padre Island Drive
024	Mesquite – 4777 East Highway 80

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<u>Site Number</u>	<u>Location</u>
032	Hebbronville – 406 Falfurrias Street
033	Hondo – 2304 Avenue E
035	Huntsville – 580 I.H. 45 North
038	Karnes City – 800 South U.S. Highway 181
040	La Marque – 5407 Gulf Freeway
042	Liberty – 209 Layl Drive
045	Lubbock – 135 Slaton Road
046	Lufkin – 1805 North Timberland Drive [U.S. 59N]
049	Odessa – 3901 East Highway 80
051	Pampa – 12139 East Frederic
052	Paris – 1365 North Main Street
054	Pharr – 600 West Interstate 2
058	Rosenberg – 4235 S.H. 36 South
059	San Angelo – 4502 Knickerbocker Road
060	San Antonio – 4615 N.W. Loop 410
061	San Benito – 1350 East Highway 77
066	Tyler – 2709 West Front
069	Waco – 100 South Loop Drive
070	Wharton – 1512 North FM 102
071	Wichita Falls – 1601 Southwest Parkway
072	Yoakum – 403 Huck Street
077	Waxahachie – 124 FM 876
080	Austin – 7901 North Interstate Highway 35
082	Houston – 14838 Northwest Freeway
089	Houston – 702 FM 1959
093	Seguin – 2028 Highway 46 North
095	Kerrville – 1832 North Sidney Baker Drive
100	Carthage – 861 South Shelby
103	Mount Pleasant – 2210 West Ferguson Road
104	Texarkana – 520 Sowell Lane

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<u>Site Number</u>	<u>Location</u>
106	San Angelo – 2802 Armstrong
107	Bastrop – 174 Highway 21 East
111	Gatesville – 3502 East Main Street
112	Hillsboro – 1400 South Abbott Avenue
113	Marlin – 5092 S.H. 7
114	Georgetown – 2727 South Austin Avenue
119	Big Spring – 1301 North Highway 350
122	Snyder – 111 North Kings Highway Place
125	Pleasanton – 2154 Second Street
126	Sinton – 11571 U.S. 181
129	Paris – 3600 South Loop 286
130	Humble – 16803 Eastex Freeway [U.S. Highway 59]
131	Mineola – 205 Northeast Loop 564, 0.5 miles southeast of S.H. 37
132	San Augustine – 0.5 mile south of S.H. 21 on U.S. Highway 96
133	Nacogdoches – 918 Industrial Drive
135	Jacksonville – 522 South Loop 456
137	Graham – 848 U.S. 380, 1.2 miles north of S.H. 16
140	Livingston – 3161 U.S. 59 North
144	Eastland – 906 East Main
145	Sulphur Springs – 1100 Hillcrest Drive [S.H. 19]
148	Conroe – 901 North FM 3083 East
150	Jasper – 3304 U.S. Highway 190 West
151	Laredo – 1817 Bob Bullock Loop
152	Corsicana – 100 SW County Road 1000
153	Gilmer – 2105 U.S. 271 North
154	Dumas – 1249 North Maddox
155	Gainesville – 2615 U.S. 82 West
156	Wichita Falls – 2844 East Central Freeway
157	Beaumont – 8450 Eastex Freeway
158	Longview – 4549-A West Loop 281

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<u>Site Number</u>	<u>Location</u>
159	Childress – 7599 West U.S. 287
164	Athens – 2400 Northeast Loop 7
166	Victoria – 11401 U.S. 59 North
168	El Paso – 13301 Gateway Boulevard West (I.H. 10 East)
169	Tyler – 15986 State Highway 155 South
171	Alpine – 2400 North Highway 118
172	Del Rio – 319 East Gibbs
173	Junction – 2124 North Main
174	Uvalde – 2322 West U.S. 90
175	Bryan – 2102 Tabor Road
176	Abilene – 1350 North Arnold Boulevard
177	El Paso – 1430 Joe Battle
178	El Paso – 4201 Hondo Pass
181	San Antonio – 9320 Southeast Loop 410
183	Greenville – 3001 I-30 East
184	Amarillo – 8401 South FM 1541
185	Marshall – 300 East Loop 390 North
186	Austin – 1001 East Parmer
188	Sherman – 3904 U.S. 75 South
189	Floresville – 317 S.H. 97E
190	Brownfield – 800 West Webb
191	Littlefield – 1600 West Delano Avenue
192	Plainview – 3900 South Business Interstate Highway 27
193	Austin – 9725 South Interstate Highway 35
194	Houston – 7600 Washington Avenue
195	Belton – 410 West Loop 121
196	New Braunfels – 4102 Interstate Highway 35 South
197	Waco – 7479 Bagby Avenue
198	Alice – 1071 North U.S. Highway
200	Boerne – 1375 North Main Street

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<u>Site Number</u>	<u>Location</u>
203	Henderson – 3100 FM 225
204	Glidden – 3816 US 90
205	Denton – 2624 West Prairie
206	McKinney – 2205 South Highway 5
207	Angleton – 18671 FM 523
208	Austin – 6230 East Stassney Lane (Main Site)
209	Kaufman – 3260 FM 2728
210	Orange – 3128 SH 62 North
211	Fort Worth – 2501 SW Loop 820

B. The authorized place of use is at temporary sites, in areas not under exclusive Federal jurisdiction, throughout Texas. The licensee is authorized to store radioactive material at a temporary site up to 90 days in any twelve-month period. Notwithstanding the above, the licensee may extend the storage interval to 36 months in accordance with the application dated March 12, 2014.

10. This license is issued in accordance with Title 25 Texas Administrative Code §289.252(e), "General requirements for the issuance of specific licenses."

11. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities covered by this license is Bryan Barrera. The individuals designated as District Nuclear Safety Officer (DNSO) are as follows:

<u>District No.</u>	<u>DNSO Name</u>	<u>District No.</u>	<u>DNSO Name</u>
1	Casey Smith	14	Chris Huetson
3	Mark A. Smith	15	Jose Emilio Ramos
4	Johnny Olivarez, Jr.	16	Gloria Salinas
5	Zane Alexander	17	Daniel Lawrence
6	Richard Baum	18	Alireza Askari
7	Nathan Nelson	19	Lacy Peters
8	Joshua Williams	20	Jennifer Hungerford
9	Thomas E. Polansky	21	Juan Moreno Jr.

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<u>District No.</u>	<u>DNSO Name</u>	<u>District No.</u>	<u>DNSO Name</u>
10	Timothy A. Bender	22	David Aguilar
11	Christopher Alvarez	23	Caleb Payne
12	Emmanuel Isonguyo	24	Victor Garibay
13	Jose Martinez Camarillo	25	Shari Thomason

12. Radioactive material shall only be used by individuals who have successfully completed the training described in the application dated March 12, 2014.
13. Sealed sources or source rods containing radioactive material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
14. The licensee shall conduct at intervals not to exceed twelve months visual inspections and operational checks of all gauges to ensure that the equipment is in good working condition, the sources are adequately shielded, and required labeling is present and legible. A record of each inspection shall be maintained for inspection by the Department for three years and shall include the date of the inspection, name and signature of the individual performing the inspections, equipment involved, any problems found, and what, if any, corrective action was taken.
15. Any cleaning, maintenance or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or other persons specifically licensed by the Department, the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
16. The licensee is authorized to conduct an in-house radiation safety course for gauge operators in accordance with provisions of 25 TAC §289.252 and the application dated March 12, 2014. The individual(s) authorized to conduct the above training shall be designated by the RSO.

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- 17. In accordance with 25 TAC §289.252(x)(11), the licensee is granted an extension to keep in standby for future use the devices identified in correspondence dated October 6, 2020, beyond the 24-month time limit according to the “plan for future use” until October 20, 2021. The licensee must document the use of transfer to another licensee or dispose of the identified devices prior to October 20, 2021.
- 18. The licensee shall not aggregate radioactive material in a quantity that equals or exceeds a category 2 threshold until the following notifications and security reviews are completed. The licensee shall provide written notification to the Department at least 90 days before initially aggregating radioactive material in a quantity that equals or exceeds the category 2 threshold. The licensee shall provide notification by e-mail to SecurityInspections@dshs.texas.gov to arrange for an initial on-site security review to verify compliance with the 25 TAC §289.252(ii) requirements.
- 19. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in the following:

Application dated March 12, 2014,
 Basic Nuclear Safety Course received July 23, 2014,
 Letters dated July 28, 2014, May 14, 2018, January 15, 2019, October 17, 2019, October 6, 2020, July 12, 2021,
 November 11, 2022, December 15, 2022, and **March 21, 2023**.

Title 25 TAC §289 shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

JLH:jlh

FOR THE DEPARTMENT OF STATE HEALTH SERVICES

Date April 28, 2023

Shawn E. Garza, Program Coordinator
 Industrial Licensing Program