



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

December 21, 2016

Hector Carrillo, P.E., VP/Radiation Safety Officer
Carrillo & Associates, Inc.
2316 W. Mulberry Ave.
San Antonio, TX 78201

SUBJECT: INITIAL NRC FORM 241 FOR CALENDAR YEAR 2017

Dear Mr. Carrillo:

This acknowledges receipt of your initial NRC Form 241 dated November 3, 2016 and the \$1,900 application fee, submitted to the NRC Region IV office to report proposed activities in NRC jurisdiction under the authority of the general license pursuant to 10 CFR 150.20. Your Agreement State license is recognized as valid for the proposed use of licensed materials in NRC jurisdiction. Your general license under 10 CFR 150.20, shall expire on **December 31, 2017.**

Please be aware that working under reciprocity in NRC jurisdiction requires you to comply with the NRC regulations, as described in 10 CFR 150.20. This general license authorizes you to conduct the same activity, as authorized on your State of Texas license, in areas of exclusive Federal jurisdiction, non-Agreement States, or in offshore waters. Under the general license, reciprocity activities, including storage, are limited to a total of 180 days in a calendar year. Reciprocity activities conducted in offshore waters are not subject to the 180-day limit. NRC tracks reciprocity usage on the basis of approved usage days and will not approve any activity, under the general license, that causes the total usage days to exceed 180 days, except for offshore waters. It is important that you track the days of use and clarify or delete dates of work or storage in NRC jurisdiction, when applicable.

NRC may perform inspections of activities by Agreement State licensees operating under a general license pursuant to 10 CFR 150.20. Inspections may occur at the listed work site location(s) or at the home office address. Failure to comply with NRC regulations while conducting your activities in exclusive Federal jurisdiction may result in NRC enforcement action(s) against the licensee. Enforcement actions against the licensee could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking the general license as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available on the following internet address:

<http://www.nrc.gov/about-nrc/regulatory/enforcement/enforce-pol.html>

Please note, if you received orders or license amendment(s) from your Agreement State for increased controls with respect to the possession of radioactive material quantities of concern, then you must implement those same controls while working at temporary jobsites in NRC jurisdiction.

The regulations in 10 CFR 30.34, *Terms and conditions of licenses*, was revised to enhance the security requirements for portable gauges containing byproduct material. This revision became effective July 11, 2005. Revised 10 CFR 30.34 now requires that each portable gauge licensee shall use a minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal, whenever portable gauges are not under the control and constant surveillance of the licensees (i.e., when not in use). Guidance on these security procedures is provided in Appendix G of NUREG-1556, Volume 1, Revision 2 which are located at: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v1/>.

The NRC maintains a Reciprocity Tracking System (RTS) for proposed Agreement State licensee activities conducted in accordance with 10 CFR 150.20. The calendar year 2017 RTS reference number (NRC Form 241, Block No. 17) for your proposed location of use will be assigned when the respective clarifications and exact work dates are received in this office. Once assigned, please refer to the appropriate RTS reference number in any future communications.

Future calendar year 2017 RTS reference numbers will be assigned when the respective clarifications for your proposed locations of work, and exact work dates are received in this office. Once assigned, please refer to the appropriate RTS reference number in any future communications.

You must submit an NRC Form 241 clarification report when you propose to add locations of work, add or delete dates of work, change work site contacts, use different radioactive materials, or elect to perform additional work activities within NRC jurisdiction. Please note, all notifications or clarifications of work activities or changes to the information submitted on the initial NRC Form 241 must include as a minimum, the following information:

1. Licensee name
2. Agreement state license number
3. Location (For Offshore, this must include: Oil Field, Block Number, Platform or Laybarge)
4. Dates of work
5. RTS Number (as applicable)
6. Signature of the RSO or designee.

The regulations require you to notify this office three days prior to any proposed generally licensed activity. However, given the nature of your licensed activity, the time requirement specified in 10 CFR 150.20(b)(1) for filing an NRC Form 241 clarification report and any subsequent notifications have been waived, provided that you inform this office by telephone or facsimile of work activities or revisions to the information submitted on the NRC Form 241, by the date of the scheduled activity. Please use one of the following FAX numbers or email address for submitting NRC Form 241 clarifications.

817-200-1188

817-200-1083

R4_Reciprocity.Resource@nrc.gov

Enclosed is an NRC signature copy of your NRC Form 241. NRC's Regulatory Issue Summary (RIS) 2005-31, provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system. Pursuant to NRC's RIS 2005-31, this document and its enclosure will not be made publicly available. Additionally, any future NRC Form 241 clarifications will not be made publicly available through ADAMS. The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/>.

If there are any questions regarding this determination or if you have questions concerning this letter or other aspects of working in NRC jurisdiction under reciprocity, please contact me at 817-200-1286.

Sincerely,



Latischa M. Hanson, M.Sc., Health Physicist
Nuclear Materials Safety Branch B

Enclosure: As stated

cc w/copy of NRC Form 241:
Texas Radiation Control Program Director

12/19

NRC FORM 241 (11-2014)



U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0013

EXPIRES: 10/31/2017

REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS (Please read the instructions before completing this form)

Estimated burden per response to comply with this mandatory collection request 30 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety.

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) Carrillo & Associates, Inc.

2. TYPE OF REPORT [X] INITIAL [] CHANGE

3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) 2316 W. Mulberry Ave. San Antonio, TX 78201

4. LICENSEE CONTACT AND TITLE Hector Carrillo, P.E. Vice President RSO

7. EMAIL ADDRESS hector@carrillo-testing.com

5. Office Number (210) 489-0509 5a. Work Cell Number (210) 489-0509 6. FACSIMILE NUMBER (210) 733-4164

RECEIVED NOV 07 2016

DNMS

8. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20 [] WELL LOGGING [] LEAK TESTING AND/OR CALIBRATIONS [] TYPE OF SERVICE [] PORTABLE GAUGES [] OTHER (Specify) [] RADIOGRAPHY REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

9. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE See attachment #1

10. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Provide GPS coordinates if known.) 11. CLIENT TELEPHONE NUMBER 12. WORK LOCATION TELEPHONE NUMBER

TBA K. Hanson 11/8/16

Table with 5 columns: 13. DATES SCHEDULED (FROM 01/01/2017 TO 12/31/2017), 14. NUMBER OF WORK DAYS, 15. ADD, 16. DELETE, 17. LOCATION REFERENCE NUMBER

LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 10-17 ABOVE.

16. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, sealed sources, or devices to be used.) See attachment #2

19. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 10. ABOVE. LICENSE NUMBER L05804 STATE TX EXPIRATION DATE 06/30/2013

20. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT: a. All information in this report is true and complete. b. I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U. S. Nuclear Regulatory Commission.

APPROVED BY RSO OR MANAGEMENT REPRESENTATIVE (Printed Name and Title) SIGNATURE DATE TOTAL USAGE - DAYS TO DATE Grace Carrillo, President [Signature] 11/3/16 Renewal

WARNING: False statements in this certificate may be subject to civil and/or criminal penalties. NRC regulations require that submissions to the NRC be complete and accurate in all material respects. 18 U.S.C. Section 1001 makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

FOR NRC USE ONLY APPROVED BY (Typed/Printed Name and Title) SIGNATURE DATE TOTAL USAGE - DAYS TO DATE Katscha M. Hanson, NLS, T.P. [Signature] 12/1/16

[X] NON-PUBLIC [] SENSITIVE SECURITY RELATED, MD 3.4 Non-Public a.3 ADAMS ML#



Department of State Health Services

RADIOACTIVE MATERIAL LICENSE

Pursuant to the Texas Radiation Control Act and Texas Department of State Health Services (Agency) 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 Agency now or hereafter in effect and to any conditions specified below.

| | | | | |
|--|--|--|--|------------------|
| LICENSEE | | | This license is issued in response to a letter | |
| 1. Name | CARRILLO & ASSOCIATES INC ATTN HECTOR CARRILLO | | Dated: December 12, 2014 | |
| 2. Address | 2316 W MULBERRY AVE SAN ANTONIO TX 78201 | | Signed by: Hector Carrillo | |
| | | | 3. License Number | Amendment Number |
| | | | L05804 | 11 |
| PREVIOUS AMENDMENTS ARE VOID | | | | |
| | | | 4. Expiration Date | |
| | | | June 30, 2023 | |
| RADIOACTIVE MATERIAL AUTHORIZED | | | | |
| 5. Radioisotope | 6. Form of Material | 7. Maximum Activity | 8. Authorized Use | |
| A. Cs-137 | A. Sealed source (QSA Model CDCW556; EZ Model HEG-137) | A. 6 sources not to exceed 9 millicuries each | A. Soil testing using Troxler Electronics Laboratories (TEL) Model 3400 Series moisture/density gauges. | |
| B. Am-241 | B. Sealed source (QSA Model AMNV.997; EZ Models Am1.NO2, 3021 or 3027) | B. 6 sources not to exceed 44 millicuries each | B. Soil testing using TEL Model 3400 Series moisture/density gauges. | |
| C. Cs-137 | C. Sealed source (QSA Model CDC.805; EZ Model HEG-137) | C. 2 sources not to exceed 11 millicuries each | C. Density measurement using Instro Tek Inc. Model 3500 Xplorer series moisture/density gauge. | |
| D. Am-241 | D. Sealed source (QSA Model AMN.V977; EZ Model AM1.NO2) | D. 2 sources not to exceed 44 millicuries each | D. Moisture measurement using Instro Tek Inc. Model 3500 Xplorer moisture/density gauge. | |
| E. Cs-137 | E. Sealed source (QSA Model CDC.805; EZ Model HEG-137) | E. 2 source not to exceed 11 millicuries | E. Density measurements of construction materials using Humboldt Scientific Inc. (HSI) Model 5001 Series moisture/density gauge. | |
| F. Am-241 | F. Sealed source (QSA Model AMNV.997; EZ Model Am1.NO2) | F. 2 source not to exceed 44 millicuries | F. Moisture measurements of construction materials using HSI Model 5001 Series moisture/density gauge. | |

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

Site Number
001
003

Location
Laredo - 1219 Clark Blvd.
San Antonio - 911 Frio City Road



Department of State Health Services

RADIOACTIVE MATERIAL LICENSE

| LICENSE NUMBER | AMENDMENT NUMBER |
|----------------|------------------|
| L05804 | 11 |

10. Each site shall maintain documents and records pertinent to the operations at that site. Copies of all documents and records required by this license shall be maintained for Agency review at Site 001.
11. The authorized place of use is at temporary sites, in areas not under exclusive Federal jurisdiction, throughout Texas.
12. Radioactive material shall not be stored or used at a permanent site unless that site is specifically authorized on this license. A site is considered permanent if radioactive material is stored and/or used at that location for more than 90 days in any twelve month period.
13. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities covered by this license is Hector Carrillo. The Site RSO for Site 003 is Rick Reyes Jr.
14. The licensee shall comply with the provisions (as amended) of Title 25 Texas Administrative Code (TAC) §289.201, §289.202, §289.203, §289.204, §289.205, §289.251, §289.252 and §289.257.
15. Radioactive material shall be used by, or under the direct supervision of, individuals designated by the RSO only after each worker has successfully completed a training course determined by the Agency as appropriate. Documentation verifying the successful completion of the training for each worker shall be maintained by the licensee for inspection by the Agency.
16. The licensee shall not remove the source rod mechanism from their respective moisture/density gauge.
17. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders.
18. Maintenance of devices containing radioactive material, including those generally licensed, possessed and used by the licensee and repair and maintenance (e.g., replacement of labels, rust and corrosion prevention) of source holder mounting brackets shall be performed by or under the supervision of RSO.
19. Repair of shutter mechanisms or shielding of devices containing radioactive material, including those generally licensed, and the installation, replacement and disposal of sealed sources used in devices shall be performed only by the device manufacturer or other persons specifically authorized to perform such services by the Agency, the Commission, another Agreement State, or a Licensing State.



Department of State Health Services

RADIOACTIVE MATERIAL LICENSE

| | |
|----------------|------------------|
| LICENSE NUMBER | AMENDMENT NUMBER |
| L05804 | 11 |

- 20. The licensee shall conduct, at intervals not to exceed six months, a program of visual inspection and maintenance of all source holders. This inspection shall include, but not be limited to, proper labeling of the source holder, proper functioning of the "on-off" mechanism, if any, and integrity of the shielding and source mounting mechanism. If any inspection reveals that labeling is inadequate, the "on-off" mechanism is not functioning properly, source shielding is inadequate or the source mounting mechanism is inadequate, the licensee shall remove the device containing radioactive material from service until repairs have corrected the deficiency. A record of each inspection and the date performed shall be maintained for inspection by the Agency for three years.
- 21. The licensee shall conduct a physical inventory, at least every six months, to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for inspection by the Agency for three years from the date of the inventory and shall include the radionuclide, number of curies, location of each source of radiation, the name of the individual making the inventory, and the date of the inventory.
- 22. 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 6, 2013,
 Business Information Form dated March 6, 2013,
 letters dated December 12, 2014 and December 18, 2014.

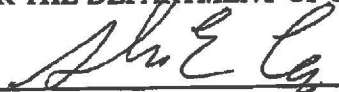
Title 25 TAC §289 shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

KMS:kms

FOR THE DEPARTMENT OF STATE HEALTH SERVICES

Date

February 3, 2015


 Shawn E. Garza, Program Coordinator
 Industrial Licensing Program

Attachment 1

NRC Form
Carrillo & Associates, Inc.

Client Name, Address, City/County, State, and Zip Code

8a. Jamco Ventures
1502 S. Flores, Ste. B
San Antonio, TX, Bexar County/TX 78204

9. Fort Sam Houston, TX 78234 Various Locations
Lackland AFB, TX 78236

10. 210 224-0885 11. 210 224-2885

12. To be scheduled

8b. Southbay EDC, Inc.
121 Interpark Blvd. #705
San Antonio, Bexar County/TX 78216-1848

9. Randolph AFB, TX 78234 Various Locations

10. 210 403-0909 11. 210 403-0909

12. To be scheduled

8c. Blackhawk Ventures
138 w. Laurel St.
San Antonio, Bexar County/TX 78201

9. Fort Sam Houston, TX 78234
Various Locations

10. 210 228-9023 11. 210 212-6788

12. To be scheduled

Attachment #2

Radioactive Material

Licensed byproduct: Chemical/physical form or source ID number: Max Amount that may be possessed
At any time under this permit:

- A. Cs-137 Troxler Model 3400 Series moisture/density gauges 9mCi each
- B. AM-241 Instro Tek Model Xplorer Series moisture/density gauges 44mCi each