

**RADIOACTIVE MATERIAL LICENSE**

*Pursuant to the California Code of Regulations, Division 1, Title 17, Chapter 5, Subchapter 4, Group 2, Licensing of Radioactive Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, use, possess, transfer, or dispose of 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 California Department of Public Health now or hereafter in effect and to any standard or specific condition specified in this license.*

<p>1. Licensee: <b>Teledyne Defense Electronics, LLC, dba Teledyne Reynolds</b></p> <p>2. Address: 1001 Knox Street Torrance, CA 90502</p> <p>Attention: Alvaro Herrera Radiation Safety Officer</p>	<p>3. License Number: 2997-19 <span style="float: right;">Amendment Number: 43</span></p> <hr/> <p>4. Expiration date: May 19, 2023 <span style="float: right;">(5)</span></p> <hr/> <p>5. Inspection agency: Los Angeles County Department of Public Health</p>
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**License Number 2997-19 is hereby amended as follows:**

6. Nuclide	7. Form	8. Possession Limit
A. Hydrogen-3	A. Gas	A. Not to exceed 1.9 TBq (50 Ci).

9. Authorized Use

- A. To be used to fill electron tubes for purposes of stabilizing breakdown and incidental to manufacture of electron tubes. Distributions to be authorized by USNRC exempt distribution license number 04-16982-01E.

LICENSE CONDITIONS

10. Radioactive materials may be used only at the following approved location:

- (a) 1001 Knox Street, Torrance, CA

11. This license is subject to an annual fee for sources of radioactive material authorized to be possessed at any one time as specified in Items 6, 7, 8 and 9 of this license. The annual fee for this license is required by and computed in accordance with Title 17, California Code of Regulations, Sections 30230-30232 and is also subject to an annual cost-of-living adjustment pursuant to Section 100425 of the California Health and Safety Code.

12. Radioactive material described in this license shall be used by, or under the supervision of, the following individuals:

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|-------------------|------------------|
| a) Alvaro Herrera | d) Phil Nguyen   |
| b) Alan Tam       | e) Steven Chusid |
| c) Gary Yoshioka  |                  |

13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, 8 and 9 of this license in accordance with the statements, representations, and procedures contained in the documents listed below. The Department's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- (a) The application for license renewal, with attachments, dated March 21 2013, signed by John Gomez, General Manager, and the letter, with attachments, dated April 2, 2014, both signed by Alvaro Herrera, Radiation Safety Officer. The letters with attachments dated May 7, 2013, June 6, 2013, and June 20, 2013, all signed by Alvaro Herrera, Radiation Safety Officer, regarding the Duties and Responsibilities of the Radiation Safety Officer and Delegation of Authority, and the updated emergency contact list.
- (b) The letter with attachments dated April 26, 2013, signed by Alvaro Herrera, Radiation Safety Officer, regarding the relocation of an enclosure unit to the new use location of 5005 McConnell Avenue, Los Angeles, CA.

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- (c) The letter dated May 15, 2013, with attached Decommissioning Plan dated May 8, 2013, signed by Daniel A. Cadena, Jr., the Alternate Radiation Safety Officer, regarding the decommissioning of the facility at 3070 Skyway Drive, Suites 301 and 302, Santa Maria, CA.
  - (d) The letter with attachments dated June 19, 2013, signed by Daniel Cadena, Alternate Radiation Safety Officer, letter with attachments dated August 7, 2013, signed by Haick Issaian, Health Physics Consultant, with attached Certificate of Disposition of Materials dated August 15, 2013, and Decommissioning Project Report dated August 6, 2013, regarding the release for unrestricted use of 3070 Skyway Drive, Suites 301 and 302, Santa Maria, CA.
  - (e) The letter with attachments dated August 04, 2017, and the letter dated February 21, 2018, both signed by Alvaro Herrera, Radiation Safety Officer, regarding the addition of a new use location and duties of the Health Physics Consultant, and the email with attachment dated March 21, 2018, also by Alvaro Herrera, regarding the correct company name.
  - (f) The letter with attachments dated January 3, 2018, as modified by the letter with attachments dated June 7, 2018, both signed by Alvaro Herrera, Radiation Safety Officer, regarding the decommissioning plan for the facility at 5005 McConnell Avenue, Los Angeles, CA.
  - (g) The Certificate of Disposition of Materials with attachments dated August 1, 2018, as modified by the letter with attachments dated August 20, 2018, both signed by Alvaro Herrera, Radiation Safety Officer, regarding the release for unrestricted use of the facility at 5005 McConnell Avenue, Los Angeles.
  - (h) **The letters with attachments dated September 4, 2018, and November 27, 2018, both signed by Susan L. Main, Senior Vice President and Chief Financial Officer, and the email with attachment dated November 19, 2018, from Alvaro Herrera, Radiation Safety Officer, regarding the decommissioning funding plan and the company name change.**
14. (a) The Radiation Safety Officer in this program shall be Alvaro Herrera.
- (b) The Alternate Radiation Safety Officer in this program shall be Gary Yoshioka.
15. The licensee shall engage a Health Physics Consultant acceptable to this agency. The Health Physics Consultant shall inspect the licensee's facilities at intervals not to exceed three months. The licensee shall maintain available for inspection a record of the consultant's inspections, and written recommendations of the consultant. The licensee shall not replace the consultant without written authorization by the California Department of Public Health.
16. This license does not authorize distribution of radioactive material pursuant to Title 17, California Code of Regulations, Sections 30180 and 30192 through 30192.6 or equivalent provisions of the U.S. Nuclear Regulatory Commission or Agreement States.
17. Radioactive materials shall be used by occupational workers in such a manner that the dose limits specified in Title 10, Code of Federal Regulations, Part 20, Subpart C (Sections 20.1201 through 20.1208) are not exceeded.
18. The licensee shall monitor occupational intakes of radioactive material by, and assess the committed effective dose equivalent to, individuals who may have exceeded or are likely to exceed, the limits specified in Title 10, Code of Federal Regulations, Part 20, Section 20.1502 (b). Suitable and timely measurements used for determination of such internal exposures shall be performed as specified by Section 20.1204.

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19. The licensee will provide the Low Level Radioactive Waste (LLRW) reports specified in the California Health and Safety Code section 115000.1(h) to the California Department of Public Health (CDPH) on an annual basis for both shipped and stored LLRW. Alternatively, LLRW shipment information may be provided on a per shipment basis. LLRW shipment information and annual reports shall be mailed to:

Attn: LLRW Tracking Program  
California Department of Public Health  
Radiologic Health Branch, MS 7610  
P.O. Box 997414  
Sacramento, CA 95899-7414

20. In accordance with the California Code of Regulations Title 17, Section 30195.1, the licensee shall maintain an acceptable financial instrument in the amount of \$42,837.50 that satisfies the requirements outlined in the decommissioning funding plan dated **September 4, 2018**.

21. At least 30 days prior to vacating any address of use listed in Condition 10 of this license, the licensee shall provide written notification of intent to vacate to the California Department of Public Health, in accordance with Title 17, California Code of Regulations, Section 30256 (b). Control of all licensed areas must be maintained until such areas are released by the Department for unrestricted use or the license is terminated, in accordance with Title 17, California Code of Regulations, Section 30256 (j).

22. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 1001 Knox Street, Torrance, CA.

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Issued for the State of California Department of Public Health

Date: March 20, 2019

By: \_\_\_\_\_

  
Ronald Rogus  
Senior Health Physicist  
Radiologic Health Branch  
MS 7610, P.O. Box 997414  
Sacramento, CA 95899-7414