

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.

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| 1. Licensee: Teledyne Advanced Pollution Instrumentation - A Business Unit of Teledyne Instruments, Inc. | 3. License Number: 7790-37 Amendment Number: 7 |
| 2. Address: 9480 Carroll Park Drive San Diego, CA 92121 | 4. Expiration Date: April 1, 2020 (5) |
| Attention: Geoffrey Hunt Radiation Safety Officer | 5. Inspection Agency: San Diego County Department of Environmental Health |

License Number 7790-37 is hereby amended as follows:

| 6. Nuclide | 7. Form | 8. Possession Limit |
|--------------|--|---|
| A. Carbon-14 | A. Sealed source (RC Tritec Model FAI09) | A. 50 sources, 3.7 megabecquerels (100 microcuries) each, total not to exceed 185 megabecquerels (5 millicuries). |

9. Authorized Use

- A. For possession, assembly and for distribution under an NRC exempt distribution license number 04-23983-01E. Also to be used in a FAI SWAM 5a instrument to measure ambient air particulates and aerosols.

LICENSE CONDITIONS

10. Radioactive material shall be used only at the following locations:

- (a) 9480 Carroll Park Drive, San Diego, CA
 (b) **9970 Carroll Canyon Road, San Diego, CA**
 (c) Temporary job sites of the licensee in areas not under exclusive federal jurisdiction (see condition 20) throughout the State of California.

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 may be used only by, or under the supervision of the following individual:

- (a) Geoffrey Hunt

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 new license application with attachments, dated April 16, 2009, signed by Geoffrey Hunt, Director of Quality and the Radiation Safety Officer, and supplemented by electronic mails, with attachments, dated August 6, 2009, regarding an "Emergency Call List" and the Form "Delegation of Authority" for the new Radiation Safety Officer, endorsed and signed by William J. Franks, Vice President and General Manager, and Geoffrey

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Hunt, Radiation Safety Officer, and dated August 5, 2009; and the electronic mail with attachments, dated October 26, 2009, regarding changes to sections of the Radiation Safety Plan.

- (b) The letter dated May 12, 2010, requesting field testing of Teledyne API instruments at temporary job sites.
 - (c) The letter, with attachments, dated April 30, 2010, signed by Geoff Hunt, Director of Quality Control/RSO, regarding the revision to the installation procedure for the AP6001 beta source.
 - (d) The letter dated November 28, 2010 [sic], signed by Geoff Hunt, Director of Quality / Radiation Safety Officer, regarding the company restructuring and consolidation with associated name change.
 - (e) The letter dated July 10, 2015, signed by Geoff Hunt, Director of Quality and Radiation Safety Officer, regarding a revised "Delegation of Authority" form, dated July 9, 2015, and a revised 24-hour call list.
 - (f) **The letter with attachment dated February 22, 2016, signed by Geoff Hunt, Director of Quality and Radiation Safety Officer, regarding the new facility map.**
14. The Radiation Safety Officer in this program shall be Geoffrey Hunt.
15. Records of leak test results shall be kept in units of microcuries and maintained for inspection. Records may be disposed of following Department inspection. Any leak test revealing the presence of 0.005 microcuries or more of removable radioactive material shall be reported to the California Department of Public Health, Radiologic Health Branch, MS 7610, P.O. Box 997414, Sacramento, CA 95899-7414, within five days of the test. This report shall include a description of the defective source or device, the results of the test, and the corrective action taken.
16. This license does not authorize commercial distribution of radioactive material.
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 comply with all requirements of Title 17, California Code of Regulations, Section 30373 when transporting or delivering radioactive materials to a carrier for shipment. These requirements include; packaging, marking, labeling, loading, storage, placarding, monitoring, and accident reporting. Shipping papers shall be maintained for inspection pursuant to the U.S. Department of Transportation requirements (Title 49, Code of Federal Regulations, Part 172, Sections 172.200 through 172.204).
19. The licensee shall conduct a physical inventory every six months to account for all sealed sources and/or devices received and possessed under the license. Records of the inventories shall be maintained for inspection, and may be disposed of, following Department inspection.
20. Before radioactive materials may be used at a temporary job site at any federal facility, the jurisdictional status of the job site must be determined. If the jurisdictional status is unknown, the federal agency should be contacted to determine if the job site is under exclusive federal jurisdiction. A response shall be obtained in writing or a record made of the name and title of the person at the Federal agency who provided the determination and the date that it was provided. Authorization for use of radioactive materials at the job sites under exclusive Federal jurisdiction shall be obtained either by:
- (a) Filing an NRC Form-241 in accordance with the Code of Federal Regulations, title 10, part 150.20 (b), "Recognition of Agreement State Licenses", or
 - (b) By applying for a specific NRC license.

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Before radioactive material can be used at a temporary job site in another State, authorization shall be obtained from the State if it is an Agreement State, or from the NRC for any non-Agreement State, either by filing for reciprocity or applying for a specific license.

- 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. 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:

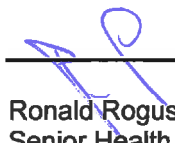
Attn: LLRW Tracking Program
 California Department of Public Health
 Radiologic Health Branch, MS 7610
 P.O. Box 997414
 Sacramento, CA 95899-7414

- 23. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 9480 Carroll Park Drive, San Diego, CA.

Issued for the California Department of Public Health

Date: March 25, 2016

By: _____



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