

**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.*

1. Licensee: San Diego Blood Bank  2. Address: 3636 Gateway Center Avenue, Suite 100 San Diego, CA 92102  Attention: <b>Helen A. Bixenman</b> <b>Chief Quality, Regulatory Affairs, and Risk Officer</b>	3. License Number: 5254-37 <span style="float: right;">Amendment Number: 33</span> <hr/> 4. Expiration date: May 16, 2030 <span style="float: right;">(5)</span> <hr/> 5. Inspection agency: San Diego County Department of Environmental Health
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**License Number 5254-37 is hereby amended as follows:**

6. Nuclide	7. Form	8. Possession Limit
A. Cesium-137	A. Sealed source (J.L. Shepherd Model 6810)	A. 1 source not to exceed 42.6 TBq (1.15 kCi).

9. Authorized Use

- A. Storage only, pending disposal under the NNSA Cesium Irradiator Replacement Program.

LICENSE CONDITIONS

- 10. Radioactive material shall be used only at the following approved location:
  - (a) 3636 Gateway Center Avenue, San Diego, 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. (a) Radioactive material shall be used by, or under the supervision of, the following individuals:
  - i. James Kingsley
  - ii. Brian Read
- (b) Pursuant to Title 10, Code of Federal Regulations, Part 37 (10 CFR 37), Section 37.23, incorporated by reference in Title 17, California Code of Regulations, Section 30220, the following individuals were reported to the Radiologic Health Branch as meeting the Reviewing Official (RO) requirements in 10 CFR 37.23(b), including the date the licensee certified the RO as trustworthy and reliable pursuant to 10 CFR 37.23(b)(2). Only the following individuals may make trustworthy and reliability (T&R) determinations that permit an individual to have unescorted access to Category 1 and Category 2 quantities of radioactive materials (10 CFR 37.23(b)(1). An RO may make T&R determinations only if the RO's certification date has not exceeded the 10th anniversary of that certification date. After that 10th anniversary, the RO may no longer make T&R determinations to permit an individual unescorted access unless the licensee recertifies the individual as an RO in accordance with 10 CFR 37.23(b)(2).
  - i. Evelyn Anaya November 22, 2019
  - ii. Juli Johnson (Jacobson) November 22, 2019

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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 renewal application dated May 2, 2017, as modified by the letter dated November 22, 2019, both with attachments, and both signed by Helen A. Bixenman, Vice President, Quality and Regulatory Affairs, and email dated June 12, 2020, with attachments, from Helen A. Bixenman.
- (b) **The letter, with attachments, dated August 23, 2022, signed by Helen A. Bixenman, Chief Quality, Regulatory Affairs, and Risk Officer, and the emails, both with an attachment, dated October 5, 2022, and October 11, 2022, from Helen A. Bixenman regarding updates to the 24-hour emergency contact list and organization chart.**
14. (a) The Radiation Safety Officer in this program shall be **James Kingsley**.
- (b) The Alternate Radiation Safety Officer in this program shall be **Brian Read**.
15. Sealed sources possessed under this license shall be tested for leakage and/or contamination as required by Title 17, California Code of Regulations, Section 30275 (c).
16. Quantitative analytical assays for the purpose of tests for leakage and/or contamination of sealed sources shall be performed only by persons specifically authorized to perform that service.
17. The following individuals are authorized to collect wipe test samples of sealed sources possessed under this license using leak test kits acceptable to the California Department of Public Health:
- (a) The Radiation Safety Officer
- (b) Qualified individuals designated in writing by the Radiation Safety Officer
18. Records of leak test results shall be kept in units of becquerels (microcuries) and maintained for inspection. Records may be disposed of following Department inspection. Any leak test revealing the presence of 185 Bq (0.005  $\mu$ Ci) 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.
19. Installation, relocation, maintenance, repair, and initial radiation survey of devices containing radioactive material and installation, replacement, and disposal of sealed sources containing radioactive material used in devices shall be performed only by persons specifically licensed to perform such services.
20. Pursuant to Title 17, California Code of Regulations, Section 30220, incorporating by reference of Title 10, Code of Federal Regulations (10 CFR), Part 37 (January 1, 2016), reports of events or notifications required in 10 CFR 37.41, 37.45, 37.57, 37.77(a) – (d), and 37.81 shall be submitted to the Department in lieu of Nuclear Regulatory Commission as follows:

California Department of Public Health  
Radiologic Health Branch  
Radioactive Materials Licensing  
ATTN: Increased Controls Program  
P. O. Box 997414, MS 7610  
Sacramento, CA 95899-7414

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Telephone notification shall be made to the regional inspection agency. For telephone notifications during business hours, regional inspection agency telephone numbers are:

Northern California: (510) 620-3416 or (510) 620-3419  
Southern California: (714) 524-1409 or (714) 524-1203  
Los Angeles County: (213) 351-7897 or (213) 351-7387  
San Diego County: (858) 694-3621 or (858) 694-3616

For telephone notifications during non-business hours or if no one is available to take your call at the numbers above, contact the California Office of Emergency Services, State Warning Center at (800) 852-7550 or (916) 845-8911.

21. The licensee shall comply with the inventory and transaction reporting requirements in 10 CFR 20.2207 (1-1-13 Edition) for nationally tracked sources. Note that transaction reports are required for any manufacture, transfer, receipt, disassembly, or disposal of a nationally tracked source, otherwise allowed by this license, by the next business day after the transaction. A nationally tracked source, as defined in 10 CFR 20.1003 (1-1-13 Edition) refers to a sealed source containing a quantity equal to or greater than Category 1 or Category 2 levels of any radioactive materials listed in Appendix E to 10 CFR Part 20 – “Nationally Tracked Source Thresholds.” (1-1-13 Edition).
22. In accordance with California Health and Safety Code Section 115000.1(h), the licensee shall annually report the radioactive waste inventory held in storage on December 31 of each year and all manifests of Low Level Radioactive Waste (LLRW) shipments to licensed LLRW disposal facilities made during the year to the Department via the online LLRW Tracking System at <https://llrwts.cdph.ca.gov/>.
23. 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).
24. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 3636 Gateway Center Avenue, Suite 100, San Diego, CA.

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Issued for the State of California Department of Public Health

Date: October 31, 2022

By: 

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