



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101 • www.mde.maryland.gov

Larry Hogan
Governor

JUL 2 2015

Ben Grumbles
Secretary

Boyd Rutherford
Lieutenant Governor

Rolf Meinholtz, Radiation Safety Officer
STEP Analytics USA, Inc.
P.O. Box 74
Colora, MD 21917

Dear Mr. Meinholtz:

Your requested radioactive materials license is enclosed. Please review it carefully to ensure that it reflects all requests included in your application received in this office on March 26, 2015.

All radioactive materials licensees are billed on an annual user fee (COMAR 26.12.03-effective March 21, 2011) that covers applications, renewal, amendments, and inspection costs. Payment of this annual fee is required upon receipt of a Department invoice regardless of whether your radiation program is active or inactive. Should you desire to terminate your license at a future date and avoid being invoiced during the next scheduled billing period, you must notify the Department, in writing, prior to your billing period. As outlined in the enclosed regulations, annual user fees will be invoiced during the month of your license expiration date, which will become your anniversary date. Subsequent annual fee and billing will reflect that date. Your new license number is MD-25-064-01 Manufacture and Distribution (Exempt 10 CFR Sec. 30.15) and the code is 03214. The annual user fee is \$1,016.00

It is necessary that you notify the Radiological Health Program's Radioactive Materials Inspection and Compliance Division, in writing, no later than ten (10) days after initial receipt of radioactive material authorized on this license. Please make this notification of initial receipt of radioactive material by sending an e-mail to rhp.notification@maryland.gov

If you have any questions, please feel free to contact Mr. Raymond E. Manley at 410-537-3301. You may also reach our office toll-free by dialing 1-800-633-6101 and requesting extension 3301. Also, you may contact this office via facsimile at 410-537-3198.

Sincerely,

Roland G. Fletcher, Program Manager IV
Radiological Health Program
Air and Radiation Management Administration


RGF/REM/CRC/NAO/cc

Enclosure(s): Radioactive Materials License (new)
Maryland Fee Regulations
COMAR Ordering Information
Notice to Employees





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RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

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Pursuant to the Maryland Radiation Act, 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. The license is subject to all applicable rules, regulations and orders of the Maryland State Department of the Environment, now or hereinafter in effect and to any conditions specified below.

Licensee 1. Name: STEP Analytics USA, Inc. 2. Address: P.O. Box 74 Colora, Maryland 21917		3. License No.: MD-25-064-01 4. Amendment No.: NEW Code 03214 5. Expiration Date: July 31, 2022
6. Radioactive material (element and mass number) A. Hydrogen-3	7. Chemical and/or physical form A. Sealed Source (Ritverc GmbH Model BH 3.21)	8. Maximum amount of activity which licensee may possess at any one time A. No source to exceed 2.7 millicuries. Total possession 30 sources.

9. Authorized Use(s):

A. For use in STEP Models ENVI System and ENVI Series Gas Detectors

10. The authorized place of storage is the 101 Bata Blvd, Suite 102, Belcamp, Maryland 21017. The licensee must notify the Radiological Health Program 30 days prior to vacating a permanent use address.
- 11A. The radiation protection program shall be under the supervision of Rolf Meinholtz.
- 11B. Radioactive material shall be used by, or under the supervision of Rolf Meinholtz.
12. The licensee shall comply with all appropriate provisions of COMAR 26.12.01.01 "Regulations for the Control of Ionizing Radiation," and shall possess a copy of these regulations.
13. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for three (3) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of radioactive material, location of sealed sources, and the date of the inventory.
- 14A. Each sealed source containing radioactive material, other than Hydrogen-3 with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested. If there is reason to suspect that a sealed source might have been damaged, or might be leaking, it shall be tested for leakage before further use.



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RADIOACTIVE MATERIAL LICENSE

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License Number: MD-25-064-01

Amendment Number: NEW

CONDITIONS

- 14B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of a device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate.
- 14C. Records of leak tests shall be kept in units of microcuries and maintained for inspection by the Department.
- 14D. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Administrator, Radiological Health Program, 1800 Washington Boulevard, Baltimore, Maryland 21230, describing the equipment involved, the test results, and the corrective action taken.
- 14E. Test for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services.
- 15. Sealed sources containing radioactive material shall not be opened.
- 16. The licensee shall not transfer possession or control of radioactive material, or products containing radioactive material as a contaminant except by transfer to a specifically licensed recipient.
- 17. The licensee shall not modify nor implement any material changes to the radiation safety program without the approval of the Department.
- 18. The licensee shall file reports pursuant to Title 10 CFR 32.29(c).
- 19. Radioactive material shall be transported in accordance with COMAR 26.12.01.01 §T.
- 20. Each point-of sale package shall be marked or labeled pursuant to Title 10 CFR 32.29(b).
- 21A. The licensee shall not make any false statement, representation, or certification in any application, record, report, plan, or other document regarding radiation levels, tests performed or radiation safety conditions or practices. Nor shall the licensee falsify, tamper with, or render inaccurate any monitoring device or method.
- 21B. Violation of any term, condition, or regulation could subject the licensee to administrative or civil penalty or criminal prosecution, as specified in Title 8, Radiation, of the Article Environment of the Annotated Code of Maryland.



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License Number: MD-25-064-01

Amendment Number: NEW

CONDITIONS

22. The licensee shall not transfer ownership and/or control of this license to any person or entity without providing required information regarding the transfer for the Agency's review and without receiving written authorization for the transfer by the Agency.
23. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material authorized by this license in accordance with statements representations, and procedures contained in:
- Application dated March 19, 2015.
 - Modifications to the application dated April 30, 2015.

COMAR 26.12.01.01 "Regulations for the Control of Ionizing Radiation" shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

June 30, 2015
NAO

on 7/1/2015

Roland G. Fletcher, Program Manager IV
Radiological Health Program

NAO
6/30/2015