



GREATER FLINT IMAGING
G-1071 N. BALLENGER HWY
FLINT, MI 48504
(810) 235-0668

March 31, 2020

United States Nuclear Regulatory Commission
Region III, Materials Licensing Section
2443 Warrenville Road, Ste 210
Lisle, IL 60532-4352

Close-out request for Greater Flint Imaging, # 21-20320-01

A close-out survey was performed on March 30, 2020 of our facility, Greater Flint Imaging, at G-1071 N. Ballenger Hwy., Flint, MI 48504 and is enclosed for your review.

The last date of receipt and use of radioactive material at this site was November 13, 2018. Tc-99m was the only radionuclide used at this facility. All radioactive sealed sources were removed by Bionomics on March 24, 2020. Please find the enclosed confirmation. A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review.

We did not dispose of radioactive materials by release to sewers or incineration. In addition, there were no spills of any long-lived radioactive material or on-site burials of radioactive materials.

Cordially,

A handwritten signature in black ink, appearing to read "Ronald A. Sparschu", is written over a horizontal line.

Ronald A. Sparschu M.D.
President
Greater Flint Imaging

Close-out Survey
Greater Flint Imaging

Date Performed: March 30, 2020

Performed By: Laura Luna, Physics Consultant

Wipe tests analyzed with Ludlum 2200 well counter. Efficiency for Cobalt-57 is 1.25 dpm/cpm. MDA is 95 dpm. A generic conversion factor of 2 dpm/cpm was used. This efficiency was performed March 18, 2019.

Survey performed with Ludlum survey meter model 14C with end window probe S/N # 210332, calibrated on 1/17/20 with a check source reading of 0.6 mR/hr. Range used was 0.1 mR/hr.

All sealed radioactive sources were transferred to Bionomics. Documentation of receipt is enclosed.

Visual Check

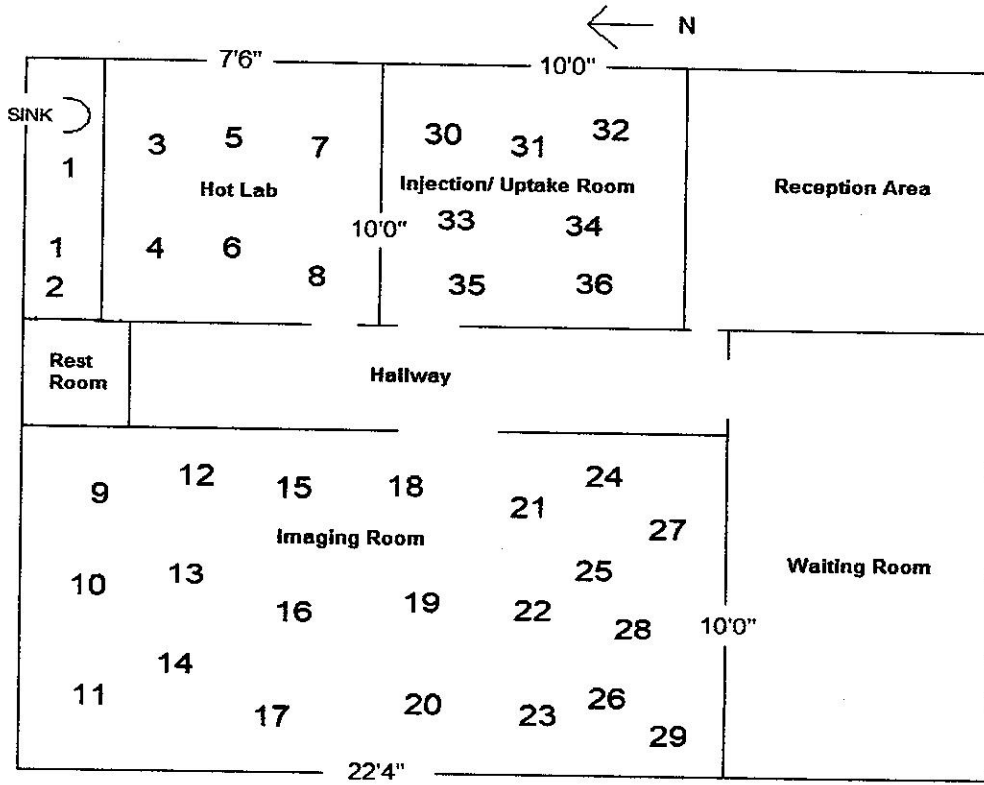
The area was checked to ensure that all radioactive waste had been removed. No radioactive material was located.

Radiation Level Survey

No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

Numbered Diagram

Greater Flint Imaging., # 21-20320-01
 G-1071 N. Ballenger Hwy
 Flint, MI 48504



GREATER FLINT IMAGING

License # 21-20320-01

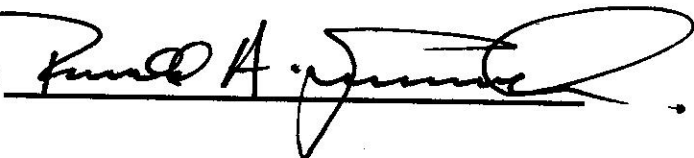
Date: 3/30/2020
 Well Counter: LUDLUM 2200
 Survey Meter: Ludlum 14C
 Serial #: 210332

Performed By: Laura Luna, BS
 MDA: 95
 Check Value: 0.6
 Calibration Date: 1/17/2020

| | | Wipes | | Surveys |
|----|-------------------|--------|--|---------|
| | | dpm | | mR/h |
| 1 | Hot Lab Counter | 28 | | 0.02 |
| 2 | RA Storage Area | 28 | | 0.02 |
| 3 | Hot Lab Floor | 28 | | 0.02 |
| 4 | Hot Lab Floor | 28 | | 0.02 |
| 5 | Hot Lab Floor | 28 | | 0.02 |
| 6 | Hot Lab Floor | 76 | | 0.02 |
| 7 | Hot Lab Floor | 76 | | 0.02 |
| 8 | Hot Lab Floor | 76 | | 0.02 |
| 9 | Imaging Rm | 76 | | 0.02 |
| 10 | Imaging Rm | 76 | | 0.02 |
| 11 | Imaging Rm | 34 | | 0.02 |
| 12 | Imaging Rm | 34 | | 0.02 |
| 13 | Imaging Rm | 34 | | 0.02 |
| 14 | Imaging Rm | 34 | | 0.02 |
| 15 | Imaging Rm | 34 | | 0.02 |
| 16 | Imaging Rm | 38 | | 0.02 |
| 17 | Imaging Rm | 38 | | 0.02 |
| 18 | Imaging Rm | 38 | | 0.02 |
| 19 | Imaging Rm | 38 | | 0.02 |
| 20 | Imaging Rm | 38 | | 0.02 |
| 21 | Imaging Rm | 36 | | 0.02 |
| 22 | Imaging Rm | 36 | | 0.02 |
| 23 | Imaging Rm | 36 | | 0.02 |
| 24 | Imaging Rm | 36 | | 0.02 |
| 25 | Imaging Rm | 36 | | 0.02 |
| 26 | Imaging Rm | 42 | | 0.02 |
| 27 | Imaging Rm | 42 | | 0.02 |
| 28 | Imaging Rm | 42 | | 0.02 |
| 29 | Imaging Rm | 42 | | 0.02 |
| 30 | Imaging Rm | 42 | | 0.02 |
| 31 | Imaging Rm | 68 | | 0.02 |
| 32 | Imaging Rm | 68 | | 0.02 |
| 33 | Injection Rm | 68 | | 0.02 |
| 34 | Injection Rm | 68 | | 0.02 |
| 35 | Injection Rm | 68 | | 0.02 |
| 36 | Injection Rm | 68 | | 0.02 |
| | Background | 85 cpm | | |

ACTION LEVELS: 200 dpm Efficiency (dpm/cpm): 2.0
 > 0.2 mR/hr

COMMENTS: No evidence of removable contamination.

CEO Signature: 



Sealed Source Leak Test

Licensee: Greater Flint Imaging/Park Plaza Radiology

Date: 06/20/19

Performed by: Laura Luna

| Nuclide | Type | Calibration | | Location | M/N | S/N |
|---------|-------|-----------------------------|----------|----------|---------|-----------|
| | | Activity | Date | | | |
| Ba-133 | Vial | 275.4 uCi | 06/01/02 | Hot Lab | SYNCOR | 787-65-15 |
| | | Current Activity: 89.555uCi | | | | |
| Cs-137 | Vial | 281.2 uCi | 11/01/82 | Hot Lab | CTC.VI | 3261MA |
| | | Current Activity: 120.58uCi | | | | |
| Co-57 | Flood | 10 mCi | 04/01/17 | Hot Lab | MED3709 | 1936-110 |
| | | Current Activity: 1.259mCi | | | | |

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The leak test wipes were analyzed using instrumentation capable of detecting 185 Bq (0.005 uCi) radioactivity on the wipe.

RADIATION SAFETY OFFICER:

Estimated burden per response to comply with this information collection request: 45 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F82), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEDB-10202, (3150-0184), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

| FORM 540 EnergySolutions, Bear Creek Processing Operations UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER | | 5. SHIPPER - NAME AND FACILITY Greater Flint Imaging G-1071 N Ballenger Hwy Flint, MI 48504 | | SHIPMENT ID NUMBER 03232020MIOHIN | | 7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION | | PAGE 1 OF 1 PAGE(S) 1 PAGE(S) NONE PAGE(S) NONE PAGE(S) | | 8. MANIFEST NUMBER (Use this number on all continuation pages) 0320GFIA | | | | | | | |
|---|--|--|--|---|--|--|--|---|--|--|--|-------------------|--|---|--|--------------------------------------|--|
| 1. EMERGENCY TELEPHONE NUMBER (Include Area Code) (800) 424-9300 | | USER PERMIT NUMBER | | SHIPMENT NUMBER 0320GFIA | | X GENERATOR TYPE (Specify) M | | 9. CONSIGNEE - Name and Facility Address EnergySolutions, Bear Creek Processing Operations Operated By EnergySolutions 1580 Bear Creek Road Oak Ridge, TN 37830 | | CONTACT Fred Schulz TELEPHONE NUMBER (Include Area Code) (885) 481-0222 | | | | | | | |
| ORGANIZATION CHEMTREC / CCN825454 | | CONTACT Sarah Baldwin | | TELEPHONE NUMBER (Include Area Code) (810) 600-1644 | | SIGNATURE - Authorized consignee acknowledging waste receipt | | DATE | | 10. CERTIFICATION This is to certify that the hereinafter named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 81, or equivalent state regulation. | | | | | | | |
| 2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | 3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1 | | 6. CARRIER - Name and Address Bionomics, Inc. 1550 Bear Creek Road Oak Ridge, TN 37830 | | EPA I.D. NUMBER TND982116493 | | SHIPPING DATE 03/24/2020 | | AUTHORIZED SIGNATURE <i>[Signature]</i> TITLE on Behalf of Greater Flint DATE 3/24/20 | | | | | | | |
| 4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes", provide Manifest Number | | EPA MANIFEST NUMBER N/A | | CONTACT John McComick | | TELEPHONE NUMBER (Include Area Code) 865-220-8501 | | DATE 3/24/20 | | DATE 3/24/20 | | | | | | | |
| 11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information) | | 12. DOT LABEL "RADIOACTIVE" | | 13. TRANSPORT INDEX | | 14. PHYSICAL AND CHEMICAL FORM | | 15. INDIVIDUAL RADIONUCLIDES | | 16. TOTAL PACKAGE ACTIVITY MBq mCi | | 17. LSA/SCO CLASS | | 18. TOTAL WEIGHT OR VOLUME (Use appropriate units) | | 19. IDENTIFICATION NUMBER OF PACKAGE | |
| UN3321, Radioactive material, low specific activity (LSA-II), 7 PLASTIC 1 - 0.13 M3 FIBER BOX | | NA | | NA | | SOLID/OXIDES | | CO-57 | | 90.132000 (2.436000) | | LSA II | | 4.59 m ³ 7.00 lb | | GFI-02 (20-000506) | |
| FOR CONSIGNEE USE ONLY | | | | 20. Generator Certification Statement | | | | | | | | | | | | | |
| Tennessee "License For Delivery" No. _____ | | | | A) Radioactive Materials. Certification is hereby made that this shipment of low-level radioactive waste has been prepared in accordance with a radioactive waste management program which has been approved by the Nuclear Regulatory Commission or an Agreement State regulatory agency and with the current revision of the site Material Acceptance Criteria. | | | | | | | | | | | | | |
| South Carolina Transport Permit No. _____ | | | | B) Hazardous Materials. Generator hereby certifies that this material does not contain a hazardous waste as defined in 40 CFR 261. | | | | | | | | | | | | | |
| US Ecology Generator No. _____ | | | | C) Date. Generator hereby represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and site Radioactive Material License. | | | | | | | | | | | | | |
| US Ecology Permit No. _____ | | | | D) INFECTIOUS SUBSTANCE. Generator hereby certifies that this material does not contain an infectious substance as defined in 49 CFR 171.204. | | | | | | | | | | | | | |
| | | | | Christopher Hladis Full Name <i>[Signature]</i> Signature 3/24/20 Date | | | | | | | | | | | | | |

Estimated burden per response to comply with this information collection request: 45 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F82), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollections@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-10202, (3150-0184), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

| FORM 540 | | Bionomics, Inc. | | 5. SHIPPER - NAME AND FACILITY | | SHIPMENT ID NUMBER | | 7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION | | PAGE 1 OF 1 PAGE(S) 1 PAGE(S) NONE PAGE(S) NONE PAGE(S) | | 8. MANIFEST NUMBER (Use this number on all continuation pages) | | | | | |
|---|--|---|--|---|--|--------------------------------|--|--|--|---|--|---|--|---|--|--------------------------------------|--|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER | | | | Bionomics, Inc. for Greater Flint Imaging G-1071 N Ballenger Hwy Flint, MI 48504 | | 03232020MIOHIN | | | | | | 0320GFI | | | | | |
| 1. EMERGENCY TELEPHONE NUMBER (Include Area Code) (800) 424-9300 | | | | USER PERMIT NUMBER | | SHIPMENT NUMBER | | X GENERATOR TYPE (Specify) M | | 9. CONSIGNEE - Name and Facility Address | | | | | | | |
| ORGANIZATION CHEMTREC / CCN825454 | | | | | | 0320GFI | | | | Bionomics, Inc. Operated By Bionomics, Inc. 1550 Bear Creek Road Oak Ridge, TN 37830 | | | | | | | |
| 2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | 3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 1 | | 6. CARRIER - Name and Address Bionomics, Inc. 1550 Bear Creek Road Oak Ridge, TN 37830 | | Truck #: | | EPA I.D. NUMBER TND982116493 | | SIGNATURE - Authorized consignee acknowledging waste receipt | | | | | | | |
| 4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes", provide Manifest Number =====> | | EPA MANIFEST NUMBER N/A | | CONTACT Sarah Baldwin | | Trailer #: | | SHIPPING DATE 03/24/2020 | | DATE | | | | | | | |
| 11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information) | | 12. DOT LABEL "RADIOACTIVE" | | 13. TRANSPORT INDEX | | 14. PHYSICAL AND CHEMICAL FORM | | 15. INDIVIDUAL RADIONUCLIDES | | 16. TOTAL PACKAGE ACTIVITY MBq mCi | | 17. LSA/SCO CLASS | | 18. TOTAL WEIGHT OR VOLUME (Use appropriate units) | | 19. IDENTIFICATION NUMBER OF PACKAGE | |
| UN2916, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 SEALED SOURCES 1 - 5 GAL METAL DRUM | | Yellow II | | 0.2 | | SOLID/OXIDES | | BA-133 ; GO-57 ; CS-137 | | 8,238124 (0.222852) | | NA | | 0.68 m ³ 15.00 lb | | GFI-01 (20-000505) | |
| FOR CONSIGNEE USE ONLY | | | | <ul style="list-style-type: none"> ___ Record Waste Description Inadequate ___ Contamination or Leakage Detected ___ Unexpected Exposure Rates Detected ___ Labels, Markings, etc. Inadequate ___ Container Integrity Inadequate ___ Other ___ No Violations Detected on this Shipment | | | | 20. TERMS AND CONDITIONS A. HAZARDOUS MATERIAL: Generator represents & warrants that Waste Material is <input checked="" type="checkbox"/> not hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1. B. TITLE: Upon acceptance at the disposal site by EnergySolutions, Inc. and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in EnergySolutions, Inc. C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST are true and correct in all respects and in accordance with all applicable governmental laws, rules, and regulations and Enbridge of Utah, Inc.'s facility license. D. INDEMNIFICATION: Generator agrees to indemnify EnergySolutions, Inc., its officers, employees, and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST, or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters. | | | | | | | | | |

Estimated burden per response to comply with this information collection request: 3.3 hours. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimates to the Records and FOIA/Privacy Services Branch (T-8 P52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollect@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE09-10202, (3150-0186), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST | | | | | | | | | | 1. MANIFEST TOTALS | | | | 2. MANIFEST NUMBER | | | | | |
|---|-------------------|---------------|-----------|-----------------------|---------------------------|---------------------------|-------------|---------------|-----|--|----|----|-------|--------------------|----------|--------------------|--|-------|--|
| CONTAINER AND WASTE DESCRIPTION | | | | | | | | | | SPECIAL NUCLEAR MATERIAL (grams) | | | | 0320GFIA | | | | | |
| Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste | | | | | | | | | | U-233 | | | | U-235 | | Pu | | TOTAL | |
| DISPOSAL CONTAINER DESCRIPTION | | | | | | | | | | ACTIVITY (MBq/mCi) (LLD UNITS IN uCi/cc) | | | | SOURCE | | SHIPMENT ID NUMBER | | | |
| WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER | | | | | | | | | | C-14 | | | | Tc-99 | | I-129 | | NP | |
| PHYSICAL DESCRIPTION | | | | | | | | | | TRITIUM | | | | NP | | NP | | NP | |
| CHEMICAL DESCRIPTION | | | | | | | | | | NP | | | | NP | | NP | | NP | |
| RADIOLOGICAL DESCRIPTION | | | | | | | | | | NP | | | | NP | | NP | | NP | |
| INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT | | | | | | | | | | NP | | | | NP | | NP | | NP | |
| # - Interpack Container | | | | | | | | | | | | | | | | | | | |
| 20-000508 (GFI-02) 5166 | 19 Fiber Box DI O | 0.1300 4.5908 | 3.18 7.00 | 5.0000E-02 5.0000E+00 | < 3.3400E-07 < 2.0000E+01 | < 1.6700E-05 < 1.0000E+03 | 59(PLASTIC) | 0.1300 4.5908 | 100 | SOLID OXIDES / NP | NP | NP | CO-57 | 90.132000 | 2.436000 | ALU | | | |
| Shipment Total | | | | | | | | | | | | | | Package Total | | 90.132000 2.436000 | | | |
| | | | | | | | | | | | | | | | | 90.132000 2.436000 | | | |

NOTE 1: Container Description Codes. For containers/waste requiring disposal in approved structural overpacks, the numerical code must be followed by "OP".

| | |
|-------------------------------|---|
| 1. Wooden Box or Crates | 8. Demineralizer |
| 2. Metal Box | 9. Gas Cylinder |
| 3. Plastic Drum or Pail | 10. Unpackaged Waste |
| 4. Metal Drum or Pail | 11. Unpackaged Components |
| 5. Metal Tank or Liner | 12. High Integrity Container |
| 6. Concrete Tank or Liner | 13. Other: Describe in Item 6, or additional page |
| 7. Polyethylene Tank or Liner | |
| 8. Fiberglass Tank or Liner | |

NOTE 1A: Process Requested

| |
|-----------------------------|
| C. Compaction |
| SR. Steam Reforming |
| IL. Direct Incineration |
| SL. Serf & Incinerate |
| D. Decon |
| G. Green Is Clean |
| M. Metal Melt |
| T. Trans-Ship |
| LI. Liquid for Incineration |
| OL. Oil for Incineration |
| O. Other (describe) |

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

| | | |
|----------------------------|----------------------------------|--|
| 20. Charcoal | 28. Demolition Rubble | 36. Evaporator Bottoms/Sludges/ Concentrates |
| 21. Incinerator Ash | 29. Cation Ion-exchange Media | 37. Compatible Trash |
| 22. Soil | 30. Anion Ion-exchange Media | 40. Noncompatible Trash |
| 23. Gas | 31. Mixed Bed Ion-exchange Media | 41. Animal Carcass |
| 24. Oil | 32. Contaminated Equipment | 42. Biological Material (except animal carcasses) |
| 25. Aqueous Liquid | 33. Organic Liquid (except oil) | 43. Activated Material |
| 26. Filter Media | 34. Glassware or Labware | 44. Other: Describe in Item 11, or additional page |
| 27. Mechanical Filter | 35. Sealed Source/Device | |
| 28. EPA or State Hazardous | 37. Paint or Plating | |

NOTE 2A: Burial/Disposition Site

| |
|--------------------------------------|
| B. Berners Waste Management Facility |
| E. EnergySolutions / Clva |
| R. Richland, WA |
| PR. Process and Return |
| O. Other |

NOTE 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal structural stability requirements, the numerical code must be followed by "S" and the media vendor and brand name must also be identified in Item 1A. Code 100=None Required

| | |
|------------------------------|--|
| 90. Cement | 84. Vinyl Ester Styrene |
| 91. Concrete (encapsulation) | 89. Other: Describe in Item 1A, or additional page |
| 82. Bitumen | 180. None Required |
| 83. Vinyl Chloride | |

Form 541 (10-98) * - Indicates Cross Contamination

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| FORM 541 | | Bionomics, Inc. | | 1. MANIFEST TOTALS | | | | | | | | 2. MANIFEST NUMBER | | | | |
|---|--|---|---|--|---|---------------------------------------|---|---|--------------------------------|------------------------------------|---|--------------------|---------------|----------|---|----|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION | | | | NUMBER OF PACKAGES/DISPOSAL CONTAINERS | NET WASTE VOLUME | NET WASTE WEIGHT | SPECIAL NUCLEAR MATERIAL (grams) | | | | TOTAL | 0320GFI | | | | |
| | | | | | | | U-233 | U-235 | Pu | | | | | | | |
| Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste | | | | 1 | m ³ | kg | ACTIVITY (MBq/mCi) (LLD UNITS IN uCi/cc) | | | | SOURCE | | | | | |
| | | | | | ft ³ | ton | C-14 | Tc-99 | I-129 | | | | | | | |
| DISPOSAL CONTAINER DESCRIPTION | | | | ALL NUCLIDES | | | | TRITIUM | | | | SHIPMENT ID NUMBER | | | | |
| | | | | MBq | mCi | NP | NP | NP | NP | NP | NP | | | | | |
| 5. | 6. | 7. | 8. | 9. | 10. | 11. PHYSICAL DESCRIPTION | | 12. | 13. | 14. | 15. RADIOLOGICAL DESCRIPTION | | | 16. | | |
| CONTAINER IDENTIFICATION NUMBER | CONTAINER DESCRIPTION (See Note 1 & 1A) | VOLUME m ³ ft ³ | WASTE AND CONTAINER WEIGHT kg ton | SURFACE RADIATION LEVEL mSv/hr mrem/hr | SURFACE CONTAMINATION MBq/100 cm ² dpm/100 cm ² | WASTE DESCRIPTOR (See Note 2 & 2A) | APPROXIMATE WASTE VOLUME(S) IN CONTAINER m ³ ft ³ | SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3) | CHEMICAL FORM/ CHELATING AGENT | WEIGHT % CHELATING AGENT IF > 0.1% | INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT | | | | WASTE CLASSIFICATION AS - Class A AU - Class A Unstable B - Class B C - Class C | |
| | | | | | | | | | | | RADIONUCLIDES | pCi/gm | MBq | mCi | | |
| # - Interpack Container | | | | | ALPHA | BETA-GAMMA | | | | | | | | | | |
| 20-000505 (GF-01) | 4 | 0.0193 | 6.80 | 0.05 | < 0.00000034 | < 0.0000167 | H | 0.0193 | 100 | SOLID OXIDES / NP | NP | BA-133 | 103418.840351 | 3.471340 | 0.093820 | AU |
| Origin: MI Greater Flint Imaging G-1071 N Ballenger Hwy Flint, MI 48504 | | 0.6800 | 0.01 | 5 | < 20 | < 1000 | 36 | 0.6800 | | | | CO-57 | 1.102311 | 0.000037 | 0.000001 | |
| Package Total | | | | | | | | | | | | CS-137 | 142011.859105 | 4.768747 | 0.128831 | |
| Shipment Total | | | | | | | | | | | | Sub Total | 245431.801767 | 8.238124 | 0.222652 | |
| | | | | | | | | | | | | | 245431.801767 | 8.238124 | 0.222652 | |
| | | 0.0193 | 8.80 | | | | | | | | | | | 8.238124 | 0.222652 | |
| | | 0.6800 | 0.01 | | | | | | | | | | | | | |

NOTE 1: Container Description Codes. For containers/waste requiring disposal in approved structural overpacks, the numerical code must be followed by "OP".

| | |
|-------------------------------|---|
| 1. Wooden Box or Crate | 8. Demineralizer |
| 2. Metal Box | 10. Gas Cylinder |
| 3. Plastic Drum or Pail | 11. Bulk, Unpackaged Waste |
| 4. Metal Drum or Pail | 12. Unpackaged Components |
| 5. Metal Tank or Liner | 13. High Integrity Container |
| 6. Concrete Tank or Liner | 14. Other. Describe in Item 8, or additional page |
| 7. Polyethylene Tank or Liner | |
| 8. Fiberglass Tank or Liner | |

NOTE 1A: Bulk Packaging Description Codes (Choose one code as may be applicable.)

| |
|---------------|
| A. Gondola |
| B. Intermodal |
| C. End-dump |
| D. Roll-off |
| E. Bearer |

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

| | | |
|----------------------------|----------------------------------|--|
| 20. Charcoal | 28. Demolition Rubble | 36. Evaporator Bottoms/Sludges/Concentrates |
| 21. Incinerator Ash | 29. Cation Ion-exchange Media | 37. Anion Ion-exchange Media |
| 22. Soil | 30. Mixed Bed Ion-exchange Media | 38. Compressible Trash |
| 23. Gas | 31. Concentrated Equipment | 39. Noncompressible Trash |
| 24. Oil | 32. Organic Liquid (except oil) | 40. Animal Carcasses |
| 25. Aqueous Liquid | 33. Glassware or Labware | 41. Biological Material (except animal carcasses) |
| 26. Filter Media | 34. Sealed Source/Device | 42. Activated Material |
| 27. Medication Filter | 35. Paint or Plating | 43. Other. Describe in Item 11, or additional page |
| 28. EPA or State Hazardous | | |

NOTE 2A: Specific Waste Descriptors (Choose all applicable codes.)

| |
|--------------------------|
| G. Dewaxed |
| H. Solid |
| I. Combustible |
| J. Non-combustible |
| K. Air Filtration Filter |
| L. Ash/Sludge |

NOTE 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "S" and the media vendor and brand name must also be identified in Item 13. Code 100=None Required

| | |
|------------------------------|--|
| 80. Cement | 84. Vinyl Ester Resin |
| 81. Concrete (encapsulation) | 85. Other. Describe in Item 13, or additional page |
| 82. Bitumen | 100. None Required |
| 83. Vinyl Chloride | |



CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submital is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollect.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

Greater Flint Imaging
G-1071 N. Ballenger Hwy.
Flint, MI 48504

LICENSE NUMBER

21-20320-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

07/31/2024

A. LICENSE STATUS (Check the appropriate box)

- This license has expired.
- This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
 - a. Transfer of radioactive materials to the licensee listed below:

- b. Disposal of radioactive materials:
 - 1. Directly by the licensee:

- 2. By licensed disposal site:

- 3. By waste contractor:

Bionomics. Please see the enclosed confirmation of sealed sources.

- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- 1. A radiation survey was conducted by the licensee. The survey confirms:
 - a. the absence of licensed radioactive materials
 - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
 - a. is attached; or b. is not attached (Provide explanation); or c. was forwarded to NRC on: _____ Date
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
 - a. The results of the latest leak test are attached; and/or
 - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

| NAME | TITLE | TELEPHONE (Include Area Code) | E-MAIL ADDRESS |
|---------------|---------|-------------------------------|-----------------------|
| Sarah Baldwin | Manager | (810) 235-0668 | sbaldwil@hurleymc.com |

Mail all future correspondence regarding this license to:

Greater Flint Imaging, G-1071 N. Ballenger Hwy., Flint, MI 48504

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Ronald A. Sparschu - President

SIGNATURE

DATE

4-1-2020

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 RESPECT. 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.