

MARCH 30, 2020

SARAH BALDWIN

GREATER FLINT IMAGING  
G-1071 N BALLENGER HWY  
FLINT, MI 48504

Sarah,

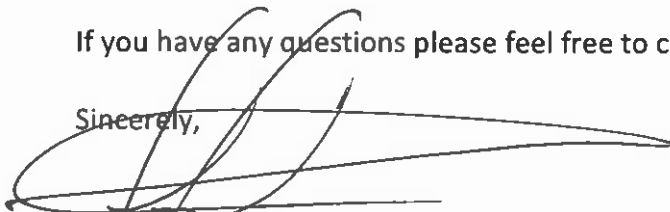
As required by 10 CFR Part 20 (Appendix G), this letter is notification that Bionomics, Inc. has received the shipment recently picked up at your facility on **March 24, 2020**.

Attached you will find a copy of your NRC Form 540, the only change from the original is in Item No.9 "signature" which identifies that Bionomics, Inc. is acknowledging receipt of waste from your facility.

Please keep this with your original, as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 220-8501.

Sincerely,



Jerry Moll  
QA Manager

Cc: File BIO-03-20

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 Privacy Services Branch (T-6 FB), U.S. Nuclear Regulatory Commission, Washington, DC 20545-0001, or by Internet e-mail to [infocollect@nrc.gov](mailto:infocollect@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NSDB-10202, (202-0184), Office of Management and Budget, Washington, DC 20503. If a request is made 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 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		Bionomics, Inc.		8. SHIPPER - NAME AND FACILITY Bionomics, Inc. for Greater Flint Imaging G-1071 N Ballenger Hwy Flint, MI 48504		SHIPMENT ID NUMBER 03232020MICHIN		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)		6. MANIFEST NUMBER (Use this number on all continuation pages) 0320GF1					
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) (800) 424-9300		USER PERMIT NUMBER		SHIPMENT NUMBER 0320GF1		X GENERATOR TYPE (Specify) M		9. CONSIGNEE - Name and Facility Address Bionomics, Inc. Operated by Bionomics, Inc. 1550 Bear Creek Road Oak Ridge, TN 37830		CONTACT John McCormick		TELEPHONE NUMBER (Include Area Code) (888) 220-8501					
ORGANIZATION CHEMTREC / CCN825454		CONTACT Sarah Baldwin		TELEPHONE NUMBER (Include Area Code) (810) 600-1844		EPA LD. NUMBER TND982118493		SIGNATURE - Authorized consignee acknowledging waste receipt		DATE		10. CERTIFICATION This is to certify that the herein-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 19 CFR Parts 20 and 61, or equivalent state regulation.					
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 LD. NUMBER TND982118493		SHIPPING DATE 03/24/2020		TELEPHONE NUMBER (Include Area Code) 888-220-8601					
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes", provide Manifest Number		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EPA MANIFEST NUMBER N/A		CONTACT John McCormick		SIGNATURE - Authorized Carrier acknowledging waste receipt		DATE 3/24/20		AUTHORIZED SIGNATURE <i>[Signature]</i> TITLE on Behalf of: Greater Flint 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. LBA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 SEALED SOURCES 1 - 5 GAL METAL DRUM		Yellow II		0.2		SOLID/OXIDES		BA-133 ; CO-57 ; CS-137		8,238124 (0,222652)		NA		0.68 R <sup>3</sup> 15.00 lb		GFI-01 (20-000505)	
FOR CONSIGNEE USE ONLY				<ul style="list-style-type: none"> <li>___ Record Waste Description Inadequate</li> <li>___ Contamination or Leakage Detected</li> <li>___ Unexpected Exposure Rates Detected</li> <li>___ Labels, Markings, etc. Inadequate</li> <li>___ Container Integrity Inadequate</li> <li>___ Other</li> <li>___ No Violations Detected on this Shipment</li> </ul>				20. TERMS AND CONDITIONS A. HAZARDOUS MATERIALS: Consignor represents & warrants that Waste Material is for use in not hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a manifest that complies with hazardous waste manifest, along with the appropriate land disposal restrictions notice and/or certification as required by 40 CFR 263.1. B. TITLE: Upon acceptance at the disposal site by EnergySolutions, Inc. and all appropriate regulatory authorities, title to the Waste Material which conforms to Consignor's representations herein shall thereafter transfer from Consignor and be vested in EnergySolutions, Inc. C. WASTE MATERIAL: Consignor 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 Enforcement of Utah, Inc.'s facility license. D. REPRESENTATIONS: Consignor agrees to indemnify EnergySolutions, Inc., its officers, employees, and agents against all losses and liability whatsoever if such losses or liability result from the failure of the Waste Material to conform to all material requests to the date specified in this 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 burden estimate 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 FDA/Privacy Services Branch (7-8 FB), U.S. Nuclear Regulatory Commission, Washington, DC 20585-0001, or by Internet e-mail to InfoCollect@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOS-10202, (3150-0100), Office of Management and Budget, Washington, DC 20503. If a system used to impose an information collection does not display a correctly valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

FORM 541		Bionomics, Inc.		1. MANIFEST TOTALS										2. MANIFEST NUMBER		
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION				NUMBER OF PACKAGE/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams)				TOTAL	0320GFI				
							U-233	U-235	Pu							
				1	m <sup>3</sup> 0.0193 g <sup>3</sup> 0.6800	kg 0.01 ton 0.00	NP	NP	NP	NP						
ACTIVITY (MBq/mCi) (LID LIMITS IN mCi/g)										SOURCE						
ALL NUCLIDES		TRITIUM		C-14		Tc-99		I-129		NP						
MBq	mCi	NP	NP	NP	NP	NP	NP	NP	NP	NP						
DISPOSAL CONTAINER DESCRIPTION													3. PAGE 1 OF 1 PAGE(8)			
4. SHIPPER NAME													Bionomics, Inc. for Greater Flint Imaging			
5. SHIPMENT ID NUMBER													03232020MIOHIN			
6. CONTAINER IDENTIFICATION NUMBER	7. CONTAINER DESCRIPTION (See Note 1 & 1A)	8. VOLUME m <sup>3</sup> ft <sup>3</sup>	9. WASTE AND CONTAINER WEIGHT kg ton	10. SURFACE RADIATION LEVEL mSv/hr mrem/hr	10. SURFACE CONTAMINATION Bq/cm <sup>2</sup> dpm/100 cm <sup>2</sup>		11. PHYSICAL DESCRIPTION				14. CHEMICAL DESCRIPTION				15. RADIOLOGICAL DESCRIPTION	16. WASTE CLASSIFICATION
					ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER m <sup>3</sup> ft <sup>3</sup>	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				
20-000606 (GFI-01)	4	0.0193 0.6800	0.60 0.01	0.05 5	< 0.00000334 < 20	< 0.0000167 < 1000	H 36	0.0193 0.6800	100	SOLID OXIDES / NP	NP	BA-133 CO-57 CS-137 Sub Total	103418.840351 1.102311 142011.859105 245431.801787	3.471340 0.000037 4.786747 8.238124	0.000820 0.000001 0.128831 0.222652	AU
Package Total													245431.801787	8.238124	0.222652	
Shipment Total														8.238124	0.222652	

**NOTE 1:** Container Description Codes. For combinations requiring disposal in approved structural overpacks, the material code must be followed by "OP."

1. Wooden Box or Crate	8. Drum/Canister
2. Metal Box	9. Gas Cylinder
3. Plastic Drum or Pail	10. Bulk (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 1, or additional page
7. Polyethylene Tank or Liner	14. Fiberglass Tank or Liner

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

A. Corrosive
B. Inorganic
C. Flammable
D. Non-flammable
E. Toxic

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

20. Charcoal	25. Decontaminatable	30. Responder (Suitcase/Stripper/Concentrator)
21. Incinerator Ash	26. Cotton Ion-exchange Media	31. Composites Tank
22. Soil	27. Active Ion-exchange Media	32. Miscellaneous Tank
23. Gas	28. Mixed Bed Ion-exchange Media	33. Miscellaneous Tank
24. Oil	29. Contaminated Supplement	34. Airway Circuit
25. Acute Liquid	30. Organic Liquid (except oil)	35. Biological Material (except animal carcass)
26. Filter Media	31. Glassware or Lineman	36. Aerosol Material
27. Absorbent Filter	32. Medical Supplies/Devices	37. Other, Describe in Item 11, or additional page
28. IPA or Waste Neutralizer	33. Paint or Plating	

**NOTE 3A:** Specific Waste Descriptions (Choose all applicable codes.)

G. Damaged
H. Solid
I. Corrosive
J. Non-combustible
K. Air Filtration Fibers
L. Asbestos

**NOTE 3:** Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For waste requiring disposal in structural stability overpacks, the material code must be followed by "OP" and the media number and liquid amount must also be identified in Item 13, Code 100-None Required.

01. Concrete (non-pneumated)	04. Vinyl Ester Resins
02. Bitumen	05. Other, Describe in Item 13, or additional page
03. Vinyl Chloride	100. None Required