



P.O. Box 817 — Kingston, TN 37763 — (865) 220-8501

November 3, 2010

Ms. Margaret Henderson  
Interim Executive Director  
TLLRWDC  
3616 Far West Blvd., Ste. 117, # 294  
Austin, Texas 78731

Re: Petition to Export Class A Low-Level Radioactive ("LLRW") Waste pursuant to Resolution adopted by the TLLRWDC on July 21, 2009

Dear Ms. Henderson,

As a courtesy to the Compact Commission, Bionomics is submitting the attached "Petition" to export Class A LLRW and Scintillation wastes for processing and disposal outside of the compact. This request is being made on behalf of our clients; the Baylor University, IHI Southwest, Texas Children's Hospital, VA Medical Center in Houston and Memorial Hermann Hospital.

Some of the waste is considered "NRC Exempt" Scintillation Vials and these should not be covered under any Compact rules, however we have included them in the petition. A large portion of the wastes are being sent for incineration at the Energy Solutions in Oak Ridge, Tennessee. The resulting ash will be disposed at the Energy Solutions facility located near Clive, Utah. This ash is considered "secondary waste" generated by the incinerator and will be disposed of as Energy Solutions waste.

Please contact me at 865-220-8501 if there are any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'John McCormick', written in a cursive style.

John McCormick

## Petition to Export Low-Level Radioactive Waste

**1. Petitioner: Bionomics, Inc. of behalf of:**

IHI Southwest Technologies  
Carlos Barberino  
6766 Culbera Road  
San Antonio, TX 78238

**2. Persons to be contacted:**

Bionomics, Inc.	John McCormick	865-220-8501
IHI Southwest	Carlos Barberino	210-256-4100

**3. Proposed out of Compact Disposal Facility:**

Dry Solid Waste is incinerated at Energy Solutions in Oak Ridge, Tennessee with the ash shipped to Energy Solutions in Clive Utah listing Energy Solutions as the generator. No waste volume attributed to the IHI Southwest.

**4. Entity who generated the waste: IHI Southwest**

**5. Effective Period:** From October 1, 2010 to full opening of the Texas disposal site.

**6. Specified Amount:**

2,000 pounds of Lab Trash

**7. Description of the wastes:**

Solid Dry active waste consisting of Lab Trash including; paper, plastic and glass generated by research laboratories.

**8. Reason that petition should be granted:**

Accumulation of radioactive and mixed wastes is a potential hazard to health and safety and the storage of these materials is limited by regulation to a specific time and quantity. Cost of disposal increase each year and any delay in shipping these wastes could affect our limited budget and cause undue hardship on our program.

**9. Certifications:**

- I hereby certify that the Petitioner is licensed (for radioactive materials) and/or permitted (for hazardous wastes), if applicable, and agrees to receive back the waste if its management or disposal is not allowed at the proposed disposal facility.
- I hereby certify that to the best of my knowledge the information provided herein is accurate and correct and that the low-level radioactive waste for which this

Export Petition is submitted will be packaged and shipped in accordance with applicable state and federal regulations and is acceptable for disposal at the intended disposal facility.

- I hereby certify that I am authorized by my company, facility, or agency to commit it to each and every obligation and condition set forth herein.



John McCormick  
Bionomics, Inc. / V.P. Waste Management  
November 2, 2010

#### Commission Action

- Approved
- Disapproved
- Approved, subject to the following conditions (if the conditions are not accepted by the Applicant within the time periods set out in Subsection (e)(1) of Rule 675.2, Part 21, Title 31, Texas Administrative Code, the permit is void:)

#### Conditions of Approval

The commission hereby certifies that proposed Rule 675.2 to be added to Chapter 675, Part 21, Title 31, Texas Administrative Code has been reviewed by legal counsel and found to be within the Commission's legal authority to adopt.

## Petition to Export Low-Level Radioactive Waste

**1. Petitioner: Bionomics, Inc. of behalf of:**

Baylor University  
William Davis  
Ben Taub Annex  
Houston, TX 77030

**2. Persons to be contacted:**

Bionomics, Inc.	John McCormick	865-220-8501
Baylor University	William Davis	713-798-3851

**3. Proposed out of Compact Disposal Facility:**

Wastes will be processed in the following manner;  
Scintillation Vials and Fluids processed at Perma-Fix of Florida with burning in an energy recovery program at a hazardous wastes facility or DSSI in Tennessee. Since the material is processed by burning there is no waste volume attributed to the Baylor University. Animal Carcass Waste, Liquids and Lab Trash are incinerated at Energy Solutions in Oak Ridge, Tennessee with the ash shipped to Energy Solutions in Clive Utah listing Energy Solutions as the generator. No waste volume attributed to the Baylor University.

**4. Entity who generated the waste: Baylor University**

**5. Effective Period:** From October 1, 2010 to full opening of the Texas disposal site.

**6. Specified Amount:**

Cubic feet is the packaged volume not disposal volume  
12 cubic feet of Dry Waste for Incineration  
3 cubic feet Uranyl and Thorium compounds  
52.5 Cubic Feet of Scintillation Vials  
1,000 pounds of Animal Carcasses for incineration

**7. Description of the wastes:**

Solid Dry active waste consisting of paper, plastic and glass. Compounds containing unimportant quantities of Uranium and Thorium. Aqueous Liquids in bulk form. Plastic and glass generated by research laboratories. Scintillation Vials and fluids generated by research laboratories. Animal Carcasses generated by research laboratories.

**8. Reason that petition should be granted:**

Accumulation of radioactive and mixed wastes is a potential hazard to health and safety and the storage of these materials is limited by regulation to a specific time and quantity.

Cost of disposal increase each year and any delay in shipping these wastes could affect our limited budget and cause undue hardship on our program. There is limited freezer space for the Animal Carcasses and this capacity has been exceeded.

**9. Certifications:**

- I hereby certify that the Petitioner is licensed (for radioactive materials) and/or permitted (for hazardous wastes), if applicable, and agrees to receive back the waste if its management or disposal is not allowed at the proposed disposal facility.
- I hereby certify that to the best of my knowledge the information provided herein is accurate and correct and that the low-level radioactive waste for which this Export Petition is submitted will be packaged and shipped in accordance with applicable state and federal regulations and is acceptable for disposal at the intended disposal facility.
- I hereby certify that I am authorized by my company, facility, or agency to commit it to each and every obligation and condition set forth herein.



John McCormick  
Bionomics, Inc. / V.P. Waste Management  
August 20, 2010

Commission Action

- Approved
- Disapproved
- Approved, subject to the following conditions (if the conditions are not accepted by the Applicant within the time periods set out in Subsection (e)(1) of Rule 675.2, Part 21, Title 31, Texas Administrative Code, the permit is void:)

Conditions of Approval

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## Petition to Export Low-Level Radioactive Waste

**1. Petitioner: Bionomics, Inc. of behalf of:**

Texas Children's Hospital  
6621 Fannin St.  
Houston, TX 77030

**2. Persons to be contacted:**

Bionomics, Inc.	John McCormick	865-220-8501
Texas Children's Hospital	Edwin Giles	832-355-3141

**3. Proposed out of Compact Disposal Facility:**

Wastes will be processed in the following manner;  
Scintillation Vials and Fluids processed at Perma-Fix of Florida with burning in an energy recovery program at a hazardous wastes facility or DSSI in Tennessee. Since the material is processed by burning there is no waste volume attributed to the Baylor University. Animal Carcass Waste is incinerated at Energy Solutions in Oak Ridge, Tennessee with the ash shipped to Energy Solutions in Clive Utah listing Energy Solutions as the generator. No waste volume attributed to the Baylor University.

**4. Entity who generated the waste: Texas Children's Hospital**

**5. Effective Period:** From October 1, 2010 to full opening of the Texas disposal site.

**6. Specified Amount:**

15 Cubic Feet of NRC Exempt Scintillation Vials  
4.1 Cubic feet of Animal Carcasses for incineration

**10. Description of the wastes:**

Animal Carcasses from Research. Scintillation Vials and fluids generated by research laboratories.

**11. Reason that petition should be granted:**

Accumulation of radioactive and mixed wastes is a potential hazard to health and safety and the storage of these materials is limited by regulation to a specific time and quantity. Cost of disposal increase each year and any delay in shipping these wastes could affect our limited budget and cause undue hardship on our program. There is limited freezer space for the Animal Carcasses and we have exceeded our holding capacity.

## 12. Certifications:

- I hereby certify that the Petitioner is licensed (for radioactive materials) and/or permitted (for hazardous wastes), if applicable, and agrees to receive back the waste if its management or disposal is not allowed at the proposed disposal facility.
- I hereby certify that to the best of my knowledge the information provided herein is accurate and correct and that the low-level radioactive waste for which this Export Petition is submitted will be packaged and shipped in accordance with applicable state and federal regulations and is acceptable for disposal at the intended disposal facility.
- I hereby certify that I am authorized by my company, facility, or agency to commit it to each and every obligation and condition set forth herein.



John McCormick  
Bionomics, Inc. / V.P. Waste Management  
August 20, 2010

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### Conditions of Approval

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## Petition to Export Low-Level Radioactive Waste

**1. Petitioner: Bionomics, Inc. of behalf of:**

VA Medical Center  
2002 Holcome Blvd.  
Houston, TX 77030

**2. Persons to be contacted:**

Bionomics, Inc.	John McCormick	865-220-8501
VA Medical Center	Joseph Bravenec	713-794-7188

**3. Proposed out of Compact Disposal Facility:**

Wastes will be processed in the following manner;  
Scintillation Vials and Fluids processed at Perma-Fix of Florida with burning in an energy recovery program at a hazardous wastes facility or DSSI in Tennessee. Since the material is processed by burning there is no waste volume attributed to the VA Medical Center. Dry Solid waste is either compacted or incinerated at Energy Solutions in Oak Ridge, Tennessee with the ash shipped to Energy Solutions in Clive Utah listing Energy Solutions as the generator. No waste volume attributed to the VA Medical Center for ash.

**4. Entity who generated the waste: VA Medical Center**

**5. Effective Period:** From August 1, 2010 to full opening of the Texas disposal site.

**6. Specified Amount:**

15 cubic feet of Dry Waste for Incineration or Compaction  
22.5 Cubic Feet of NRC Exempt Scintillation Vials

**7. Description of the wastes:**

Solid Dry Active waste consisting of paper, plastic and glass generated by research laboratories. Scintillation Vials and fluids generated by research laboratories.

**8. Reason that petition should be granted:**

Accumulation of radioactive and mixed wastes is a potential hazard to health and safety and the storage of these materials is limited by regulation to a specific time and quantity. Cost of disposal increase each year and any delay in shipping these wastes could affect our limited budget and cause undue hardship on our program.

**9. Certifications:**

- I hereby certify that the Petitioner is licensed (for radioactive materials) and/or permitted (for hazardous wastes), if applicable, and agrees to receive back the waste if its management or disposal is not allowed at the proposed disposal facility.
- I hereby certify that to the best of my knowledge the information provided herein is accurate and correct and that the low-level radioactive waste for which this Export Petition is submitted will be packaged and shipped in accordance with applicable state and federal regulations and is acceptable for disposal at the intended disposal facility.
- I hereby certify that I am authorized by my company, facility, or agency to commit it to each and every obligation and condition set forth herein.



John McCormick  
Bionomics, Inc. / V.P. Waste Management  
August 20, 2010

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## **Petition to Export Low-Level Radioactive Waste**

**1. Petitioner: Bionomics, Inc. of behalf of:**

Memorial Hermann-Texas Medical Center  
6400 Fannin  
Houston, TX 77030

**2. Persons to be contacted:**

Bionomics, Inc.	John McCormick	865-220-8501
Memorial Hermann Hospital	Charles Beasley	713-500-7649

**3. Proposed out of Compact Disposal Facility:**

Wastes will be processed in the following manner;  
Lab Trash Waste is incinerated at Energy Solutions in Oak Ridge, Tennessee with the ash shipped to Energy Solutions in Clive Utah listing Energy Solutions as the generator. No waste volume attributed to the Baylor University.

**4. Entity who generated the waste: Memorial Hermann Hospital**

**5. Effective Period:** From October 1, 2010 to full opening of the Texas disposal site.

**6. Specified Amount:**

12 cubic feet of Lab Trash

**7. Description of the wastes:**

Trash resulting from medical procedures

**8. Reason that petition should be granted:**

Accumulation of radioactive and mixed wastes is a potential hazard to health and safety and the storage of these materials is limited by regulation to a specific time and quantity. This hospital needs to ship waste immediately after this waste is generated.

**9. Certifications:**

- I hereby certify that the Petitioner is licensed (for radioactive materials) and/or permitted (for hazardous wastes), if applicable, and agrees to receive back the waste if its management or disposal is not allowed at the proposed disposal facility.
- I hereby certify that to the best of my knowledge the information provided herein is accurate and correct and that the low-level radioactive waste for which this Export Petition is submitted will be packaged and shipped in accordance with

applicable state and federal regulations and is acceptable for disposal at the intended disposal facility.

- I hereby certify that I am authorized by my company, facility, or agency to commit it to each and every obligation and condition set forth herein.



John McCormick  
Bionomics, Inc. / V.P. Waste Management  
August 20, 2010

#### Commission Action

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