

**TEXAS LOW-LEVEL RADIOACTIVE WASTE DISPOSAL
COMPACT COMMISSION**

APPLICATION FOR IMPORTATION OF NONPARTY LOW-LEVEL RADIOACTIVE WASTE

(NOTE: PURSUANT TO TEXAS HEALTH AND SAFETY CODE, §401.207(j), THIS APPLICATION MUST BE COMPLETED BY APPROPRIATE REPRESENTATIVES OF THE DEPARTMENT OF DEFENSE OR THE GENERATOR OF THE WASTE UNLESS THE GENERATOR IS A SMALL GENERATOR AS DEFINED IN 31 TAC §675.23(o), IN WHICH CASE THE APPLICATION MAY BE SUBMITTED BY AN APPROPRIATELY LICENSED BROKER)

1. Applicant Information:

Entity Name **Thermo Process Instruments, L.P.**
Contact Person **Stefan Hrabosky**
Phone **(508) 864-3262**
Email **stefan.hrabosky@thermofisher.com**
Website Address **www.thermofisher.com**
Physical Address **1410 Gillingham Lane**
 Sugar Land, TX 77478
Mailing Address **27 Forge Parkway**
 Franklin, MA 02034

Is Applicant: Generator

A Broker who is a: Licensed Waste Processor
 Licensed Waste Collector
 Department of Defense

Notes:

- (1) An appropriately licensed Broker may act on behalf of a Small Generator only if each such generator is identified and written authorization from each such generator is provided as an attachment hereto.
- (2) While Department of Defense Regulation 4715.6-R designates the Department of the Army as Executive Agent for disposal of low-level radioactive waste, the Commission will require that any agreement that it enters into in this regard be signed by both the Department of the Army as Executive Agent and the branch of the military that has generated the waste.

Generator Type: **Industrial**
 Academic/Research
 Medical
 Utility
 Government

Is Applicant the entity responsible for the waste shipment? yes no

Name and contact information for the entity responsible for the waste shipment:

Entity Name **Bionomics, Inc.**
 Contact Person John McCormick
 Phone 865-220-8501
 Email JMcCormick@Bionomics-Inc.com
 Website Address Bionomics-Inc.com
 Physical Address 1550 Bear Creek Road
 Oak Ridge, TN 37763
 Mailing Address PO Box 817
 Kingston, TN 37763

Is Waste from a "Small Generator" yes no

Sources will come from more than one Generator Type and likely ae all Small Generators, however there may be some that are not considered small. The waste volume shipped under our agreement would be less than 100 ft³ per year for each of the generators.

2. Term/Duration from Date of Approval: One year

3. Waste proposed for importation.

Waste Volume (Cubic Feet): Total of 500 cubic feet

Waste Radioactivity in Curies: 500 curies

Radionuclides of Concern:

C-14	100 mCi
Tc-99	100,000 uCi
I-129	1,000,000 nCi
Depleted Uranium	100 mCi

Place of origination (State) of waste: All States and US territories, except for the States comprising the Northwest Compact.

Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska,

Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, West Virginia, Wisconsin, Wyoming

U.S. Territories Of; Guam, Midway Islands, Puerto Rico, Republic of the Marshall Islands, U.S. Virgin Islands

Waste description: Sealed Sources encapsulated in concrete

Waste classification (Class A, Class B, or Class C) Class A, Class B and Class C

Waste form: X stable

Source of Generation

a. Is the proposed waste a sealed source?

No **Yes.** Please explain: Sealed sources will be encapsulated in concrete and will be classed primarily as either B or C waste.

b. Does Broker and/or Generator have any unresolved violation(s), complaint(s), unpaid fee(s), or past due report(s) with the Texas Low-Level Radioactive Waste Disposal Compact Commission?

No **Yes.** Please explain:

c. Does Broker and/or Generator have any unresolved violation(s), complaint(s), unpaid fee(s), or past due report(s) pending with any other regulatory agency with jurisdiction to regulate radioactive material including, without limitation, the TCEQ?

No **Yes.** Please explain:

d. Certifications. Applicant hereby certifies the following.

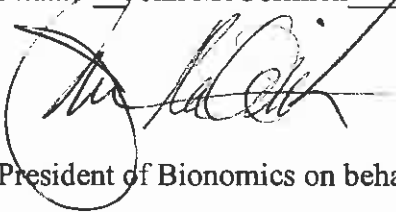
- a. The information provided herein is complete, accurate and correct.
- b. The low-level radioactive waste for which this Application is submitted will be packaged and shipped in accordance with applicable state and federal regulations and is acceptable for disposal at the Compact Facility.
- c. The person submitting this Application is authorized by Applicant to commit Applicant to each and every obligation and condition set forth herein and in the Agreement for Importation of Nonparty Compact Waste.

d. Applicant has delivered to the Compact Facility operator and TCEQ a copy of this Application and the Agreement for Importation of Nonparty Compact Waste (along with any supplements or amendment thereto).

e. Authorized Signatory:

Print or type name John McCormick

Signature

A handwritten signature in black ink, appearing to read 'John McCormick', is written over a horizontal line. The signature is stylized and cursive.

Title Vice President of Bionomics on behalf of Thermo Process Instruments L.P.

Date June 19, 2015

ATTACHMENTS: Listing of Original Generators and a copy of the agreements are provided prior to waste shipments. These lists and agreements should be kept as confidential information.

TERM SHEET

Bionomics/Thermo Process Instruments 2015-2016

- A. The proposed beginning and ending dates. **September 1, 2015 to August 31, 2016**
- B. Compliance with all applicable federal and state laws and rules including, without limitation, Texas Health and Safety Code (THSC), Chapter 403, §8.03. **Yes**
- C. Liability for applicants' own acts, omissions, conduct, and relationships in accordance with applicable law. **Yes**
- D. Acknowledgment that the Commission under any circumstances may amend or revoke the agreement with prior notice and that under emergency circumstances the Commission may suspend authorization to import with such notice as it is able to give under the circumstances.
- Yes**
- E. Agreement shall not be assignable or transferable to any other person. **Yes**
- F. Agreement is subject to receipt by the Compact Facility Operator and the Commission of written certification from the Texas Commission on Environmental Quality (TCEQ) prior to the acceptance of Generator's Nonparty Compact Waste that the waste to be imported is authorized for disposal under the Compact Facility license. **Agreed**
- G. A description of the characteristics of the waste proposed for importation including (but not limited to) volume, type, physical form, total radioactivity, and radionuclide-specific activities.

The exact details on each waste shipment will not be determined until after the waste is properly packaged for disposal at the compact facility. These are Sealed Sources from small waste generators and the waste is often not fully determined until after it is picked up from each waste generator. Typically the sources include Cs-137 and Co-60 and the total activity per drum will be less than 16 curies. If an Import permit is not forthcoming there is no need to package the waste, therefore we cannot provide the exact details until after the Import Permit is issued.

Five days prior to shipment to the WCS facility Bionomics is required to submit a copy of the Radioactive Shipment Manifest to WCS, TCEQ and DSHS. This manifest contains the details of each container and would include all the information requested in Item G. This same information can be forwarded to the Commission when it is provided to TCEQ.

H. A representation by the applicant that it has disclosed:

(1) The existence of unresolved violations pending against the applicant with any other regulatory agency with jurisdiction to regulate radioactive material.

(2) The existence of any unresolved violation(s), complaint(s), unpaid fee(s), or past due report(s) that the applicant has with the Commission.

(3) The existence of any unresolved violation(s), complaint(s), unpaid fee(s), or past due reports that the applicant has with any other regulatory body, including, without limitation, the TCEQ.

This is agreed to and this agreement is also included on the Import Application in Items 5 and 6.

I. An acknowledgement that a misrepresentation with respect to an item listed in H may result in the cancellation of the agreement. **Agreed**

J. The obligation to report immediately to the Commission any allegation of the violation of any law, rule or regulation related to the storage, shipment or treatment of any form of radioactive material. **Agreed**

K. A provision acknowledging the right of the Commission to audit or cause to be audited compliance with the agreement. **Agreed**


L. Agreement to comply to the extent applicable with the rules related to commingling adopted by the TCEQ in coordination with the Commission pursuant to THSC, §401.207(k).

Agreed

M. An affirmation that no waste of international origin shall ever be included in the materials to be imported to the Compact facility. **Affirmed**

N. Any other matter required by §675.23 to be included in the agreement. **Agreed**

Bionomics and Thermo Process Instruments, L.P. acknowledge and agree to the conditions and stipulations of this Term Sheet.


John McCormick
Vice President/Bionomics
June 26, 2015

on behalf of Thermo Process