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munich · princeton
morphochem, inc.
11 deer park dr., suite 116
monmouth junction
NJ 08852, U.S.A.
tel. (732)274-2882
fax (732)274-0086
www.morphochem.com

United States Nuclear Regulatory Commission Region I
Division of Nuclear Material Safety
475 Allendale Road
King of Prussia, PA 19406-1415

August 8, 2005

03034681

Re: Termination of NRC License Number 29-30442-01

Dear Sirs:

We wish to prematurely terminate our NRC License Number 29-30442-01, expiration date April 30, 2008. On behalf of our company, I previously discussed this possibility when we had an NRC inspection done by Ms. Donna Janda on January 6, 2004. Since that time we have had a further downsizing of our operations, and more recently, on August 3, 2005 when NRC inspector Bryan Parker did a follow up safety and compliance inspection, I informed him that we would be requesting a license termination.

Enclosed please find NRC Form 314, Certificate of Disposition of Materials.

I also include results from swipe tests performed on June 28, 2002, July 18, 2002 both surveys were done after all remaining radioactive materials were consolidated and maintained on site in a secured waste storage area for offsite disposition, and from May 9, 2003 the date the radioactive materials were physically removed from our facility by RSI Inc., a waste contractor who transported the waste to Duratek for processing and disposal..

I appreciate your processing the termination request before September 30, 2005 as we have paid our annual NRC license fee that keep us current up to that date. Thank you for your assistance in terminating our license.

Sincerely yours,

Steven R. Per, Ph.D.
RSO & Vice President, US Operations

enclosures

137497
NRC/RGN MATERIALS-001

(6-2004)
10 CFR 30.36(j)(1); 40.42(j)(1);
70.38(j)(1); and 72.54(j)(1)

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal 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 Records and FOIA/Privacy Services Branch (T-5 F52), 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, NEOB-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.

CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS

MORPHOCHEM, INC.
11 DEER PARK DRIVE, STE 116
MONMOUTH JUNCTION, NJ 08852

LICENSE NUMBER

29-30442-01

DOCKET NUMBER

03034681

LICENSE EXPIRATION DATE

APRIL 30, 2008

- This license has expired. **A. LICENSE STATUS (Check the appropriate box)** 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: *Radiation Science Inc, 10 South River Road Cranbury, NJ 08512. Hector Morbis 609-395-1996. All documentation is attached. License VA-30310-N.*
 - 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 STEVEN PER	TITLE VICE-PRESIDENT, US OPERATIONS	TELEPHONE (Include Area Code) 732-274-2882	E-MAIL ADDRESS steven.per@morphochem.com
Mail all future correspondence regarding this license to: 11 Deer Park Drive, Ste 116A, Monmouth Jct, NJ 08852			

C. CERTIFYING OFFICIAL
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE STEVEN PER, VP, US OPS + RSO	SIGNATURE <i>[Signature]</i>	DATE 8/8/2005
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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.

steven per

From: Hector Martos [hecky50@optonline.net]
Sent: Wednesday, September 03, 2003 7:51 PM
To: Steve Per
Subject: Shipment Report

The attached document is your receipt that your waste was shipped to and received by Duratek for processing and disposal.

Should you have any questions, please contact me at one of the telephone numbers below. To find your waste print out the form, look at column 19 (last column on right) for your number.

Your Manifest is : R24A

Hector A. Martos
Manager, Broker Services
RSI, Inc.
10 South River Road
Cranbury, New Jersey 08512
PH: 609-395-1996
FX: 609-395-1178
Cell: 609-468-7129
hmartos@radsci.com



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charset = Windo...



RSI-5.pdf

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, 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 byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Radiation Science, Inc.</p> <p>2. 10 South River Road Suite 1005 Cranbury, New Jersey 08512</p>	<p>In accordance with the application dated February 5, 2003,</p> <p>3. License number 29-30310-02 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date January 31, 2012</p> <hr/> <p>5. Docket No. 030-35874 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen 3</p> <p>B. Carbon 14</p> <p>C. Any byproduct material with atomic numbers 1 through 83 except Hydrogen 3 and Carbon 14</p> <p>D. Any byproduct material with atomic numbers 1 through 83</p> <p>E. Any source material</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed sources</p> <p>E. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 30 curies</p> <p>B. 3 curies</p> <p>C. 1 curie</p> <p>D. 10 curies</p> <p>E. 300 kilograms</p>
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9. Authorized use:

A. through E. For receipt, possession, and storage of prepackaged radioactive wastes.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
29-30310-02Docket or Reference Number
030-35874

Amendment No. 1

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 10 South River Road, Suite 1005, Cranbury, New Jersey, and radioactive waste may also be picked up, received, and possessed anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, Joel Antkowiak, Thomas P. Bracke, Hector Martos, or individuals who have received the training described in the letter dated January 10, 2002. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
- B. The Radiation Safety Officer for this license is Thomas P. Bracke.
12. The licensee shall not open packages containing licensed materials.
13. The licensee shall not possess any package containing waste byproduct or source material for a period of more than six months from the date of receipt of the package.
14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material at a single location to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.
15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
29-30310-02

Docket or Reference Number
030-35874

Amendment No. 1

16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated January 10, 2002 with enclosures
- B. Letter dated June 13, 2003

For the U.S. Nuclear Regulatory Commission

Date July 2, 2003

By



Kathy Dolce Modes
Nuclear Materials Safety Branch 2
Region I
King of Prussia, Pennsylvania 19406

39731236

FORM 541 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste	GTS DURATEK	1. MANIFEST TOTALS						2. MANIFEST NUMBER R24		
	NUMBER OF PACKAGES/ DISPOSAL CONTAINERS 4		NET WASTE VOLUME m3 0.4520 R3 15.9660		NET WASTE WEIGHT kg 64.4312 lb 120.0000		SPECIAL NUCLEAR MATERIAL (grams)			TOTAL
							U-233	U-235	Pu	
							NP	NP	NP	NP
							ACTIVITY			SOURCE
						C-14	Tc-99	I-129		
						MBq	3.8164E+02	2.9600E+02	8.6600E+00	(Kgs) NA
						mCi	8.1600E+00	8.0000E+00	1.6600E-01	(lbs) NA
									SHIPMENT ID NUMBER	
									NA	

DISPOSAL CONTAINER DESCRIPTION				WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										16 WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C		
5 CONTAINER IDENTIFICATION NUMBER / GENERATOR ID NUMBER	6 CONTAINER DESCRIPTION (See Note 1) PROCESS REQUESTED (See Note 1A) BURIAL/DISPOSITION (See Note 2A)	7 VOLUME (m3) (R3)	8 WASTE AND CONTAINER WEIGHT (kg) (lb)	9 SURFACE RADIATION LEVEL mSv/hr mrem/hr	10 SURFACE CONTAMINATION MBq/100 cm2 dpm/100 cm2		11 WASTE DESCRIPTOR (See Note 2)	12 APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (P3)		13 SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14 CHEMICAL DESCRIPTION		15 RADIOLOGICAL DESCRIPTION			
					ALPHA			BETA-GAMMA			CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL, OR TOTAL ACTIVITY AND RADIONUCLIDE PERCENT			
					RADIONUCLIDES			MBq	mCi				NA			
R24-1/91921	2 DI E	0.0278	6.8033	<6.9000E-03	<3.8740E-06	<3.8740E-06	88-SCINT. VIALS	0.0278	88-CAREFRESH 100	MICROSCINT/na	0.00	C-14 H-3		1.8500E+00	5.0000E-02	NA
		0.9830	16.0000	<6.9000E-01	<2.200E+02	<2.200E+03		0.9830	Subtotal			2.0350E+01	5.6000E-01			
Total													2.0350E+01	5.6000E-01		
R24-2/91921	3 DI E	0.0278	6.8033	<6.9000E-03	<3.8740E-06	<3.8740E-06	88-SCINT. VIALS	0.0278	88-CAREFRESH 100	MICROSCINT/na	0.00	C-14 H-3	1.8500E+00	5.0000E-02	NA	
		0.9830	16.0000	<6.9000E-01	<2.200E+02	<2.200E+03		0.9830	Subtotal			2.0350E+01	5.6000E-01			
Total													2.0350E+01	5.6000E-01		
R24-3/91921	19 FIBER BOX / DRUM DI E	0.1982	20.1117	<6.9000E-03	<3.8740E-06	<3.8740E-06	88-INCHERABLE DAW	0.1982	100 100	paper,plastic/na	0.00	C-14 H-3	9.2500E-01	2.5000E-02	NA	
		7.0000	45.0000	<6.9000E-01	<2.200E+02	<2.200E+03		7.0000	Subtotal			1.3043E+02	3.5250E+00			
Total													1.3043E+02	3.5250E+00		

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	9. 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	19. Other: Describe in Item 6, or additional page
7. Polyethylene Tank or Liner	
8. Fiberglass Tank or Liner	

Note 1A: Process Requested

C. Compton
SR. Steam Reforming
DI. Direct Incineration
SI. Sort & Incinerate
D. Decon
G. Green is Clean
M. Metal Melt
T. Trans-Ship
LJ. Liquid for Incineration
OI. Oil for Incineration
O. Other (describe)

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

20. Charcoal	29. Demolition Rubble	38. Evaporator Bottoms/Sludges/Concentrates
21. Incinerator Ash	30. Cation Ion-exchange Media	39. Compactible Trash
22. Soil	31. Anion Ion-exchange Media	40. Noncompactible Trash
23. Gas	32. Mixed Bed Ion-exchange Media	41. Animal Carcass
24. Oil	33. Contaminated Equipment	42. Biological Material (except animal carcass)
25. Aqueous Liquid	34. Organic Liquid (except oil)	43. Activated Material
26. Filter Media	35. Glassware or Labware	59. Other: Describe in item 11, or additional page
27. Mechanical Filter	36. Sealed Source/Device	
28. EPA or State Hazardous	37. Paint or Plating	

Note 2A: Burial/Disposal Site

B. Barnwell Waste Management Facility
E. Envirocare
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 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 15. Code 100=NONE REQUIRED.)

90. Cement	94. Vinyl Ester Styrene
91. Concrete	99. Other: Describe in item 13, or additional page
92. Bitumen	
93. Vinyl Chloride	100. None Required.

FORM 542 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST MANIFEST INDEX AND REGIONAL COMPACT TABULATION List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators.		GTS DURATEK	1. WASTE COLLECTOR/PROCESSOR					2. MANIFEST NUMBER R24						
			NAME Radiation Science Inc.		SHIPPER USE ONLY									
			IDENTIFICATION NUMBER 1424											
			SHIPPING DATE 6/8/03						3. PAGE 1 OF 1 PAGE(S)					
4. GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMIT NUMBER (IF APPLICABLE) AND TELEPHONE NUMBER	6. GENERATOR FACILITY ADDRESS	7. PREPROCESSED WASTE (OR MATERIAL) VOLUME		8. MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT	9. WASTE CODE P = PROCESSED C = COLLECTED	10. ORIGINATING COMPACT REGION OR STATE	11. AS PROCESSED/COLLECTED TOTAL						
			(m3)	(l3)				A. SOURCE MATERIAL (kg) (lb)		B. SNM (g)	C. ACTIVITY (MBq) (mCi)		D. VOLUME (m3) (ft3)	
91821 60	Morphoschem, Inc. 733-274-2282	11 Deer Park Drive Suite 116 Monmouth Junction, NJ 08852	0.4621	16.9660	R24 (06/08/2003)	C	NJ	0.0001E+00	0.0000E+00	0.0000E+00	3.0166E+02	0.1600E+00	0.4621	16.9660
61														
TOTALS OF ALL PAGES (FORMS 542 AND 542A)								0.0001E+00	0.0000E+00	0.0000E+00	3.0166E+02	0.1600E+00	0.4621	16.9660

2 of 40

FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		GTS: DURATEK		5. SHIPPER - NAME AND FACILITY Radiation Science, Inc. 10 South River Road Cranbury, NJ 08512		SHIPMENT I.D. NUMBER 1424 <input checked="" type="checkbox"/> COLLECTOR PROCESSOR		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		PAGE 1 OF 12 PAGE(S) 27 PAGE(S) 4 PAGE(S) None PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) RSI-5					
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 1-800-255-3924		ORGANIZATION Chem-Tel		NA		SHIPMENT NUMBER NA		GENERATOR TYPE (Specify)		9. CONSIGNEE - Name and Facility Address GTS Duratek Bear Creek Operations 1560 Bear Creek Road Oak Ridge, TN 37830		CONTACT Chad Powers TELEPHONE NUMBER (Include Area Code) 865-481-0222					
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 147		6. CARRIER - Name and Address Radiation Science, Inc. 10 River Road Cranbury, NJ 08512 Truck #: AF758Z Trailer #: NA		EPA I.D. NUMBER NA		SIGNATURE - Authorized consignee acknowledging waste receipt <i>Daniel J. ...</i>		DATE 8/12/03		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 are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.					
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number		EPA MANIFEST NUMBER NA		CONTACT Hector Martos		TELEPHONE NUMBER (Include Area Code) 609-395-1996		SIGNATURE - Authorized carrier acknowledging waste receipt <i>Hector A. Martos</i>		DATE 8/16/03		AUTHORIZED SIGNATURE <i>Hector Martos</i>		TITLE Mgr. Bob ...		DATE 08/16/03	
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		17. ICA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
Radioactive material, excepted package-limited quantity of material, 7, UN2910		NA		NA		Solid paper,plastic		H-3 S-35		3.0766E+01 8.3150E-01		NA		50. LBS; 7. FT3		R15-8	
Radioactive material, excepted package-limited quantity of material, 7, UN2910		NA		NA		Solid Paper,plastic		H-3		2.2020E+01 6.9513E-01		NA		50. LBS; 7. FT3		R16-1	
Radioactive material, excepted package-limited quantity of material, 7, UN2910		NA		NA		Solid Paper,plastic		H-3		2.4133E+01 6.5223E-01		NA		50. LBS; 7. FT3		R16-2	
Radioactive material, excepted package-limited quantity of material, 7, UN2910		NA		NA		Solid Paper,plastic		H-3		3.9930E+00 1.0792E-01		NA		50. LBS; 7. FT3		R16-3	
Radioactive material, excepted package-limited quantity of material, 7, UN2910		NA		NA		Solid Paper,plastic		H-3		4.7427E+01 1.2818E+00		NA		50. LBS; 7. FT3		R16-4	
Radioactive material, excepted package-limited quantity of material, 7, UN2910		NA		NA		Solid Paper,plastic,glass		H-3		3.5335E+01 9.5500E-01		NA		100. LBS; 4.01 FT3		R17-1	
FOR CONSIGNEE USE ONLY				20. GENERATOR CERTIFICATION STATEMENT													
TENNESSEE LICENSE FOR DELIVERY NO				A) Radioactive Materials. Certification is hereby made to GTS Duratek, Inc. that this shipment of low-level radioactive material/waste has been prepared in accordance with 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 GTS Duratek 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 GTS Duratek State of Tennessee Radioactive Material Licenses.													
US ECOLOGY PERMIT NO				From: Radiation Science Inc. 10 South River Road Cranbury, NJ 08512 609-395-1996				Signature <i>Hector A. Martos</i>		Date 08/16/03							

Surveyed 8-18-03 *Nichola ...*

38.40

FORM 540A										GTS DURATEK		8. MANIFEST NUMBER (Use this number on all continuation pages) RSI-5	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER (CONTINUATION)										PAGE 2 OF 12 PAGES			
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			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,plastic	H-3	I-125	3.4557E+02	9.3397E+00	NA	60. LBS; 7. FT3	R18-214			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,plastic	I-125	P-33	1.4637E+02	3.9560E+00	NA	60. LBS; 7. FT3	R18-216			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3		2.9452E+00	7.9600E-02	NA	50. LBS; 7. FT3	R19-1004			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3		3.3840E+00	9.1460E-02	NA	50. LBS; 7. FT3	R19-1008			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3		2.2731E+01	6.1436E-01	NA	50. LBS; 7. FT3	R19-1011			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	P-33		4.1292E+02	1.1160E+01	NA	50. LBS; 7. FT3	R19-1014			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	I-125		3.7514E+01	1.0139E+00	NA	50. LBS; 7. FT3	R19-1019			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3	P-32	1.2110E+01	3.2729E-01	NA	50. LBS; 7. FT3	R19-1020			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Liquid Bactec Vials	C-14		1.3320E+01	3.6000E-01	NA	15. LBS; 0.983 FT3	R20-1			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid paper,plastic	C-14	H-3	1.4875E+01	4.0202E-01	NA	50. LBS; 7. FT3	R21-9			
Radioactive material, low specific activity, n.o.s., 7, UN2912	NA	<1	Solid Plastic,paper	Cr-51	H-3	1.1100E+02	0.0000E+00	LSA-II	50. LBS; 7. FT3	R22-1			
Radioactive material, low specific activity, n.o.s., 7, UN2912	NA	<1	Liquid Aqueous Liquid	Cr-51		1.4800E+02	4.0000E+00	LSA-II	10. LBS; 0.983 FT3	R22-2			
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,plastic	I-125		5.5500E+00	1.5000E-01	NA	50. LBS; 7. FT3	R23-1			

4 of 40

FORM 540A										GTS DURATEK		6. MANIFEST NUMBER (Use this number on all continuation pages) RSI-5	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER (CONTINUATION)										PAGE 3 OF 12 PAGES			
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 RADIOISOTOPES			16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,plastic	I-125			5.5500E+00	1.5000E-01	NA	50. LBS; 7. FT3	R23-2		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Liquid Aqueous Liquid	I-125			1.5492E+01	4.1870E-01	NA	250. LBS; 7.5 FT3	R23-3		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid paper,plastic	C-14	H-3	S-35	1.2354E+01	3.3388E-01	NA	50. LBS; 7. FT3	R24-10		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Liq MICROSCINT	C-14	H-3		2.0350E+01	5.5000E-01	NA	15. LBS; 0.983 FT3	R24A-1		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Liq MICROSCINT	C-14	H-3		2.0350E+01	5.5000E-01	NA	15. LBS; 0.983 FT3	R24A-2		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid paper,plastic	C-14	H-3		1.3043E+02	3.5250E+00	NA	45. LBS; 7. FT3	R24A-3		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid paper,plastic	C-14	H-3		1.3043E+02	3.5250E+00	NA	45. LBS; 7. FT3	R24A-4		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Liq. Aqueous Liquid	H-3			1.3966E+03	3.7752E+01	NA	325. LBS; 7.5 FT3	R25-1		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid paper,plastic	C-14	I-125	S-35	8.6963E+01	2.3504E+00	NA	50. LBS; 7. FT3	R27-217		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid paper,plastic	I-125			1.3424E+01	3.6282E-01	NA	50. LBS; 7. FT3	R27-223		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3	I-125		2.6909E+01	7.2726E-01	NA	50. LBS; 7. FT3	R28-1022		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3			2.3673E+00	6.3980E-02	NA	50. LBS; 7. FT3	R28-1023		
Radioactive material, excepted package-limited quantity of material, 7, UN2910	NA	NA	Solid Paper,Plastic	H-3	I-125		3.3766E+01	9.1260E-01	NA	50. LBS; 7. FT3	R28-1024		



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 2, 2004

Docket No. 03034681
Control No. 134298

License No. 29-30442-01

Steven R. Per, Ph.D.
Vice President, US Operations
Morphochem, Inc.
Suite 116
11 Deer Park Drive
Monmouth Junction, NJ 08852

SUBJECT: MORPHOCHEM, INC., ISSUANCE OF LICENSE AMENDMENT, CONTROL NO.
134298

Dear Dr. Per:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

In accordance with 10 CFR 2.790, a copy of this letter will be placed in the NRC Public Document Room and will be accessible from the NRC Web site at <http://www.nrc.gov/reading-rm.html>.

Thank you for your cooperation.

Sincerely,

Donna M. Janda
Health Physicist
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 1

Attached are
* Swipes done for NRC
license termination.

prp

Assay Definition-

Assay Description:

Used for 2' swipe tests of labs

Assay Type: DPM (Dual)

Report Name: Official 2' Swipe Test Results

Output Data Path: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min

Raw Results Path: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min

Comma-Delimited File Name: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min\Official 2' swipe.112

Count Conditions-

Nuclide: 3H-14C-32P

Quench Indicator: tSIE/AEC

External Std Terminator (sec): 0.5 2s%

Pre-Count Delay (min): 0.00

Quench Sets:

Low Energy: 3H-UG

Mid Energy: 14C-UG

Count Time (min): 2.00

Count Mode: Normal

Assay Count Cycles: 1

#Vials/Sample: 1

Repeat Sample Count: 1

Calculate % Reference: Off

Background Subtract: Off

Low CPM Threshold: Off

2 Sigma % Terminator: Off

Regions	LL	UL
A	0.0	12.0
B	12.0	156.0
C	156.0	1700.0

Count Corrections-

Static Controller: On

Colored Samples: Off

Coincidence Time (nsec): 18

Luminescence Correction: Off

Heterogeneity Monitor: n/a

Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	Count Time	CPMA	CPMB	CPMC	DPM1	DPM2	DPM-32P	SIS	tSIE
ADH 1T	2.00	17	20	4	30	22	5	69.65	489.43
ADH 1B	2.00	26	15	3	50	15	3	28.52	493.60
ADH 1C	2.00	25	18	5	51	20	6	43.44	436.50
ADH 2B	2.00	19	14	4	34	15	5	52.95	536.28
ADH 3T	2.00	12	14	6	21	16	7	58.66	501.75

Swipe of Rad Waste

RAD 1 = Solid Waste Container 1

RAD 2 = " " " 2

RAD 3 = LSC Vial " 1

RAD 4 = LSC Vial " 2

T = Top of Container

B = Base of container

All wet wipe results were < 100 dpm, i.e. background rad levels

After 5/9/03

Protocol# 1 - Swipe 2min.1sa

Serial# 423241

User: MorphochemSMT

RAD3B	6	2.00	16	12	4	28	13	4	51.45	550.13
RAD4T	7	2.00	18	15	4	32	17	5	53.74	536.32
RAD4B	8	2.00	7	13	2	10	15	2	75.84	601.86
CTRL	9	2.00	9	6	2	16	7	2	50.79	598.69
OHG-D										
Missing vial 10.										
Missing vial 11.										
Missing vial 12.										
13		2.00	3	8	11	20	15	13	23.73	68.41
14		2.00	1	13	7	0	23	8	32.29	75.38
15		2.00	5	9	15	38	15	17	31.30	74.79
16		2.00	1	9	6	0	19	7	28.09	62.07
17		2.00	3	13	11	0	23	12	32.68	75.26
18		2.00	4	8	13	27	14	15	33.49	70.51
19		2.00	4	8	10	26	13	12	27.07	74.64
20		2.00	2	13	7	0	24	8	31.64	73.62
21		2.00	2	11	6	0	19	6	31.16	75.19
22		2.00	1	19	8	0	34	9	32.78	74.65
23		2.00	3	8	9	17	13	10	29.69	75.62
24		2.00	0	14	9	5269	35	10	31.65	25.23
E 25		2.00	2	12	10	0	21	12	41.16	77.94
26		2.00	6	8	11	8	15	14	26.18	60.32
27		2.00	2	9	8	0	15	9	27.69	74.95
28		2.00	6	9	14	71	15	16	24.69	73.21
29		2.00	3	10	11	16	17	13	28.02	74.55
30		2.00	3	10	8	9	18	9	28.28	72.02
31		2.00	7	13	13	71	22	15	27.57	71.66
32		2.00	6	11	7	57	19	8	28.36	74.58
33		2.00	3	12	6	0	23	7	29.45	68.77
34		2.00	2	13	11	0	24	11	36.85	70.74
35		2.00	8	8	11	112	12	12	24.07	71.96
36		2.00	3	10	12	0	19	14	34.22	68.52

NOT APPLICABLE TO THIS STUDY

OHG-D

SNC Protocol

Serial# 423241

Calibration Information

Software Version IC: 2.09

Software Version EC: 1.10

Instrument Model: Tri-Carb 2900TR

Instrument Serial Number: 423241

3H Chi Square: Not Processed

14C Chi Square: Not Processed

3H E²/B (0-18.6 keV and 1-18.6 keV): 301.56 Date Processed: 4/25/03 1:54:06 PM

14C E²/B (0-156 keV and 1-156 keV): 650.74 Date Processed: 4/25/03 1:54:06 PM

3H Efficiency (0-18.6 keV): 67.43 Date Processed: 4/25/03 1:54:05 PM

14C Efficiency (0-156 keV): 96.63 Date Processed: 4/25/03 1:54:05 PM

IPA Background Date Processed: 4/25/03 1:54:06 PM

3H Background CPM (0-18.6 keV): 14.35 Date Processed: 4/25/03 1:54:06 PM

14C Background CPM (0-156 keV): 19.80 Date Processed: 4/25/03 1:54:06 PM

3H Calibration DPM: 283500

3H Reference Date: 5/5/00

14C Calibration DPM: 135100

==== Errors and Warnings =====

==== End of Errors and Warnings =====

AMC
5/9/03

Morphochem, Inc. Small Molecule Therapeutics

Date: July 18, 2002 - Final wet wipe test

Position	Room	Area/Equipment Swiped
1	Screening lab	Water bath
2	Screening lab	Pipettes
3	Screening lab	Racks
4	Screening lab	Plexiglas shields
5	Screening lab	Telephone
6	Screening lab	Rad sink
7	Middle lab	Water bath
8	Middle lab	Pipettes
9	Middle lab	Racks
10	Middle lab	Sequencing gel apparatus
11	Middle lab	Sink
12	Middle lab	Chemical fume hood
13	TC/Compounds lab	Sink
14	TC/Compounds lab	Harvester apparatus
15	TC/Compounds lab	Telephone
16	TC/Compounds lab	Top count
17	TC/Compounds lab	Pipettes
18	TC/Compounds lab	Racks
19	Front lab	Refrigerator
20	Front lab	Telephone
21	Front lab	Fume hood
22	Front lab	Pipettes
23	Blank swipe	N/A
24	Empty vial	N/A

Background survey sweep done
Geiger counter Ludlum Instruments #147677
Bkgd less than 0.01 mR/hr

All areas & surfaces
surveyed were less than
threshold of < 300 dpm.

Removed stickers/labels
indicating "radioactive
material".

AMP
7/18/02

Protocol# 1 - Swipe 2min.lsa

Serial# 423241

User: MorphochemSMT

Assay Definition-

Assay Description:

Used for 2' swipe tests of labs

Assay Type: DPM (Dual)

Report Name: Official 2' Swipe Test Results

Output Data Path: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min

Raw Results Path: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min

Comma-Delimited File Name: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min\Official 2' swipe.110

Count Conditions-

Nuclide: 3H-14C-32P

Quench Indicator: tSIE/AEC

External Std Terminator (sec): 0.5 2s%

Pre-Count Delay (min): 0.00

Quench Sets:

Low Energy: 3H-UG

Mid Energy: 14C-UG

Count Time (min): 2.00

Count Mode: Normal

Assay Count Cycles: 1

#Vials/Sample: 1

Repeat Sample Count: 1

Calculate % Reference: Off

Background Subtract: Off

Low CPM Threshold: Off

2 Sigma % Terminator: Off

Regions	LL	UL
A	0.0	12.0
B	12.0	156.0
C	156.0	1700.0

Count Corrections-

Static Controller: On

Colored Samples: Off

Coincidence Time (nsec): 18

Luminescence Correction: Off

Heterogeneity Monitor: n/a

Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	Count Time	CPMA	CPMB	CPMC	DPM1	DPM2	DPM-32P	SIS	tSIE
1	2.00	11	13	6	20	15	6	52.70	473.46
2	2.00	6	14	6	8	17	6	74.72	415.72
3	2.00	6	8	3	10	9	4	56.11	488.58
4	2.00	14	59	7	11	72	8	63.93	452.21
5	2.00	10	17	10	15	21	11	58.80	465.15

Handwritten signature
7/18/02

Protocol# 1 - Swipe 2min.1sa

Serial# 423241

User: MorphochemSMT

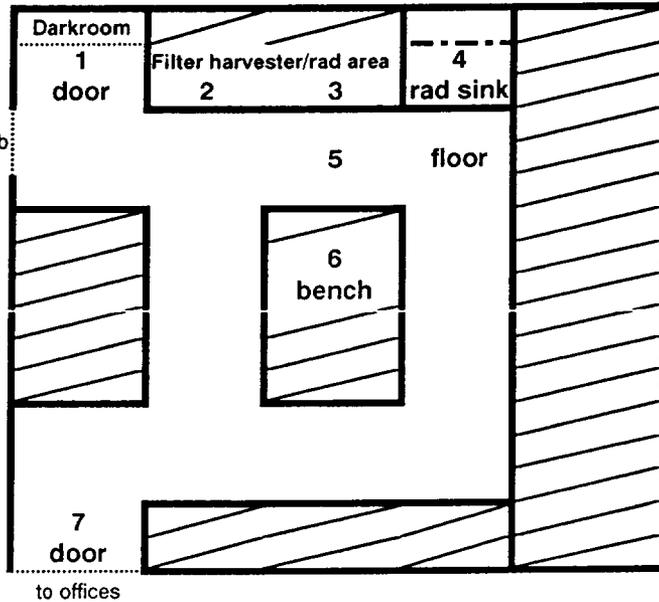
6	2.00	44	133	5	51	158	5	62.94	501.92
7	2.00	5	18	5	6	22	6	60.26	434.29
8	2.00	12	19	13	20	22	15	55.86	469.04
9	2.00	9	36	9	9	44	10	57.69	324.69
10	2.00	15	48	40	18	57	47	63.86	478.26
11	2.00	14	95	16	0	116	19	75.74	407.02
12	2.00	7	11	4	12	12	4	64.40	385.23
13	2.00	9	24	6	13	28	6	59.09	360.17
14	2.00	6	15	12	9	18	14	47.96	374.44
15	2.00	6	12	6	9	14	7	73.27	394.92
16	2.00	6	16	8	12	20	9	46.89	244.43
17	2.00	20	19	4	45	21	5	42.75	345.44
18	2.00	7	21	4	11	25	5	59.99	338.75
19	2.00	5	12	3	8	14	4	56.63	365.63
20	2.00	6	16	7	10	19	8	46.51	315.26
21	2.00	7	25	74	8	30	87	94.82	392.98
22	2.00	4	15	5	4	18	5	52.88	312.79
23	2.00	4	19	3	3	23	4	65.15	454.99
24	2.00	1	11	11	0	33	12	26.97	33.45

E

All surfaces were
below threshold
of 500 dpm.
JOP 7/18/02

Morphochem, Inc. Small Molecule Therapeutics
 Date: June 28, 2002
 Room: Screening Lab

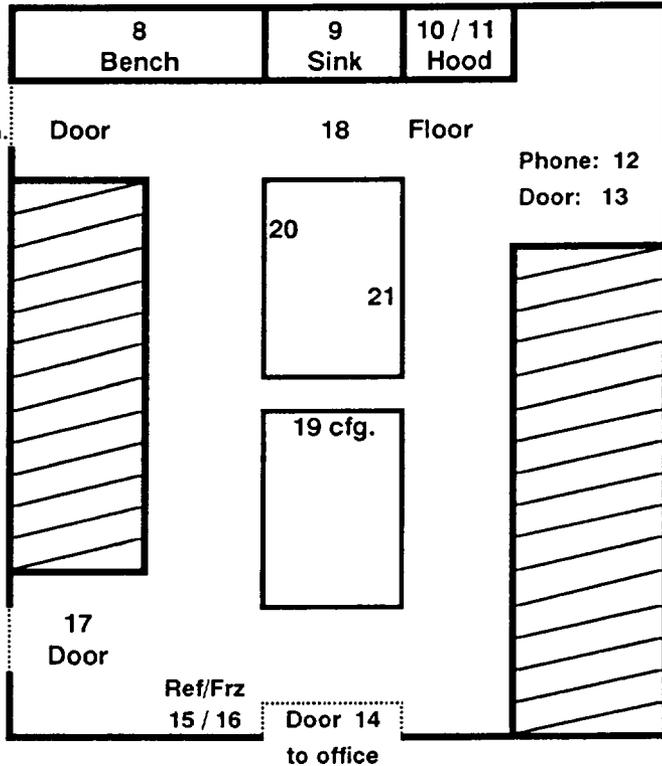
- | | |
|----------|--------------------------------|
| Position | Area Swiped |
| 1 | Door handle (to dark room) |
| 2 | Rad Bench (left side) |
| 3 | Rad Bench (right side) |
| 4 | Rad sink |
| 5 | Floor by sink |
| 6 | Center bench |
| 7 | Door handle (into office area) |



Background survey sweep
 Geiger counter Ludlum Instruments
 Bkgd less than 0.01 mR/hr

Morphochem, Inc. Small Molecule Therapeutics
 Date: June 28, 2002
 Room: Middle Lab

- | | |
|----------|--------------------------------|
| Position | Area Swiped |
| 8 | Electrophoresis bench |
| 9 | Sink |
| 10 | Chem Hood (left side) |
| 11 | Chem Hood (right side) |
| 12 | Telephone |
| 13 | Door handle (to dark room) |
| 14 | Door (to office area) |
| 15 | Refrigerator #R5 (door handle) |
| 16 | Freezer #F7 (door handle) |
| 17 | Door (to instrument lab) |
| 18 | Floor area by hood |
| 19 | Centrifuge |
| 20 | Bench (S. Harris) |
| 21 | Bench (Y-F. Keng) |



Background survey sweep
 Geiger counter Ludlum Instruments
 Bkgd less than 0.01 mR/hr

Handwritten signature

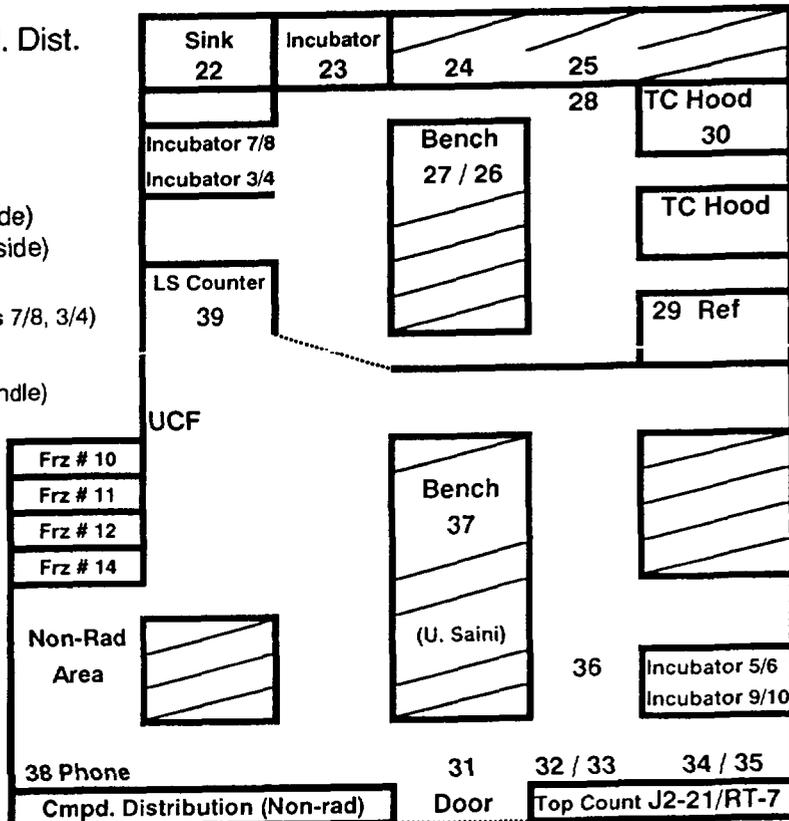
Morphochem, Inc. Small Molecule Therapeutics

Date: June 28, 2002

Room: Tissue Culture/Cmpd. Dist.

Position Area Swiped

- 22 Sink
- 23 Incubator door handle
- 24 Lab bench (back, left side)
- 25 Lab bench (back, right side)
- 26 Lab bench (by hoods)
- 27 Lab bench (by incubators 7/8, 3/4)
- 28 Floor by back bench
- 29 Refrigerator #R7 (door handle)
- 30 Hood (Rad use)
- 31 Door handle (in lab)
- 32 Top Count keyboard/mouse
- 33 Top Count stackers
- 34 J2-21 centrifuge
- 35 RT-7 centrifuge
- 36 Incubator # 6
- 37 Lab bench (by incubator 6)
- 38 Phone
- 39 Scint counter lid area



Background survey sweep

Geiger counter Ludlum Instruments

Bkgd less than 0.01 mR/hr

Fzr 2 46

to freezer rm

45

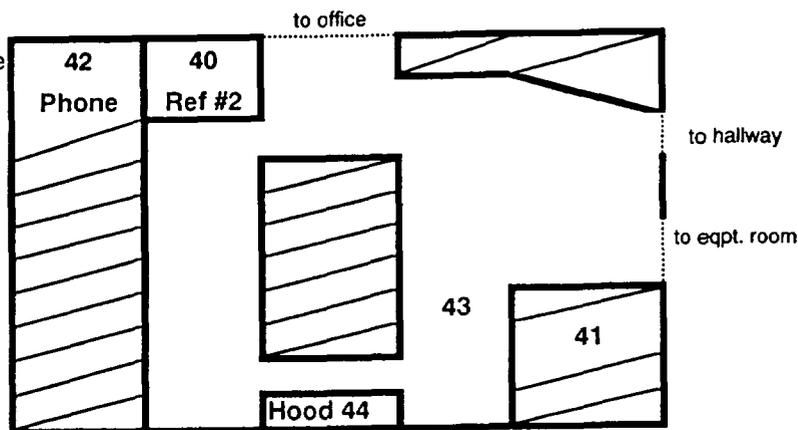
Morphochem, Inc. Small Molecule Therapeutics

Date: June 28, 2002

Room: Front lab

Position Area Swiped

- 40 Refrigerator #R2 (door handle)
- 41 Lab bench
- 42 Telephone
- 43 Lab floor by bench
- 44 Fume Hood



Background survey sweep

Geiger counter Ludlum Instruments

Bkgd less than 0.01 mR/hr

Room: Freezer room (outside TC /Cmpd. lab)

Position Area Swiped

- 45 Freezer room: door to TC lab

Position Area Swiped

- 46 Freezer # F2 (door handle)
- 47 Geiger Counter used for sweep
- 48 Blank disc

Handwritten signature/initials

Protocol# 1 - Swipe 2min.lsa

Serial# 423241

User: MorphochemSMT

Assay Definition-

Assay Description:
Used for 2' swipe tests of labs

Assay Type: DPM (Dual)
Report Name: Official 2' Swipe Test Results
Output Data Path: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min
Raw Results Path: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min
Comma-Delimited File Name: C:\Packard\Tricarb\Results\MorphochemSMT\Swipe 2min\Official 2' swipe.109

Count Conditions-

Nuclide: 3H-14C-32P
Quench Indicator: tSIE/AEC
External Std Terminator (sec): 0.5 2s%
Pre-Count Delay (min): 0.00

Quench Sets:

Low Energy: 3H-UG
Mid Energy: 14C-UG

Count Time (min): 2.00

Count Mode: Normal

Assay Count Cycles: 1

#Vials/Sample: 1

Repeat Sample Count: 1

Calculate % Reference: Off

Background Subtract: Off

Low CPM Threshold: Off

2 Sigma % Terminator: Off

Table with 3 columns: Regions, LL, UL. Rows A, B, C with values for each.

Handwritten note: All 6 histos performed by DAE - all areas were < 300 dpm.

Count Corrections-

Static Controller: On

Colored Samples: Off

Coincidence Time (nsec): 18

Luminescence Correction: Off

Heterogeneity Monitor: n/a

Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Table with 5 columns: Regions, Half Life, Units, Reference Date, Reference Time. Rows A, B, C.

Cycle 1 Results

Table with 10 columns: S#, Count Time, CPMA, CPMB, CPMC, DPM1, DPM2, DPM-32P, SIS, tSIE. Rows 1-5.

Protocol# 1 - Swipe 2min.1sa

Serial# 423241

User: MorphochemSMT

6	2.00	4	10	5	7	12	6	50.02	329.27
7	2.00	4	17	4	3	21	4	77.58	380.38
8	2.00	8	13	4	14	16	5	58.58	433.70
9	2.00	20	68	15	26	82	17	51.48	367.48
10	2.00	30	73	16	54	89	18	47.48	305.55
11	2.00	37	222	27	9	272	32	76.19	378.04
12	2.00	6	16	6	7	19	6	75.09	413.64
13	2.00	3	19	6	0	23	6	68.10	376.94
14	2.00	6	15	5	10	18	6	49.03	414.76
15	2.00	5	15	3	6	18	4	60.35	370.02
16	2.00	4	17	5	3	20	5	63.71	433.34
17	2.00	3	14	4	1	17	4	75.03	456.50
18	2.00	4	17	3	4	21	4	64.96	276.77
19	2.00	5	15	5	8	18	5	68.00	393.21
20	2.00	5	15	2	7	17	2	52.80	408.02
21	2.00	11	17	4	19	20	4	56.82	404.43
22	2.00	7	12	4	14	14	5	60.37	395.42
23	2.00	10	16	6	18	19	8	68.53	361.17
24	2.00	5	17	3	7	21	4	57.31	313.17
25	2.00	3	19	3	0	23	3	79.45	364.50
26	2.00	5	14	4	6	17	5	74.45	408.26
27	2.00	3	10	4	5	11	5	61.79	422.14
28	2.00	5	14	8	7	17	9	51.43	342.80
29	2.00	7	14	3	12	17	3	55.01	389.80
30	2.00	3	14	5	1	17	6	74.97	368.84
31	2.00	7	14	4	12	17	5	75.49	395.09
32	2.00	5	14	4	6	17	4	71.47	434.00
33	2.00	6	14	8	9	17	9	49.27	338.52
34	2.00	5	17	5	6	21	6	62.61	363.25
35	2.00	4	17	3	4	21	4	68.53	340.46
36	2.00	7	10	5	12	11	5	54.49	407.48
37	2.00	2	13	5	1	16	5	63.45	278.15

not 6 min

Protocol# 1 - Swipe 2min.lsa

Serial# 423241

User: MorphochemSMT

38	2.00	6	13	7	11	15	8	65.72	390.79
39	2.00	7	16	5	10	19	5	59.16	380.31
40	2.00	3	13	6	2	16	6	58.69	363.27
41	2.00	4	14	9	6	17	10	55.37	278.04
42	2.00	3	10	5	3	12	6	62.66	384.92
43	2.00	2	14	5	1	17	5	80.20	345.50
44	2.00	4	14	5	6	17	6	49.60	276.29
45	2.00	27	200	29	0	244	35	76.76	407.17
46	2.00	5	11	5	9	13	6	62.93	389.99
47	2.00	3	16	4	2	19	5	74.59	433.65
48	2.00	38	115	27	47	138	31	49.62	428.64

All areas < 300 DPM.

6/28/02

DAK

OK 6/28/02

22-1811

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™



7004 2890 0002 3770 1187

9262



19406

\$7.91
00047642

Morphochem, Inc.
11 Deerpark Dr
Monmouth Junction NJ 08852

US Nuclear Regulatory Commission Region I
Licensing Assistance Team
Nuclear Materials Safety Branch
475 Allendale Rd
King of Prussia, PA 19406-1415

This is to acknowledge the receipt of your letter/application dated

8/8/2005, and to inform you that the initial processing which includes an administrative review has been performed.

TEAM. 29-30442-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 137497.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.