

MATERIALS LICENSE

Amendment No. 02

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 1, 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.

302539

Licensee	In accordance with letter dated May 7, 1997	
1. Indianapolis - Marion County Forensic Services Agency	3. License Number 13-26372-01 is amended in its entirety to read as follows:	
2. 147 East Maryland Indianapolis, IN 46204	4. Expiration Date April 30, 2002	
	5. Docket or Reference No. 030-32600	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Phosphorus-32	A. Any	A. 10 millicuries

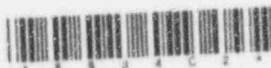
9. Authorized Use:

A. For storage only incident to disposal by decay.

CONDITIONS

10. Licensed material shall be stored only at the licensee's facilities located at 147 East Maryland, Indianapolis, Indiana.
11. Radiation Safety Officer: Mohammad A. Tahir, Ph.D.
12. Licensed material shall be used by, or under the supervision of, Ali Asghar, Ph.D., Pat Hamby, M.S., or Mohammad Tahir, Ph.D.
13. The licensee shall calibrate survey instruments at intervals not to exceed 12 months in accordance with the Model Procedure for Calibrating Survey Instruments in Appendix B to Regulatory Guide 10.8, Revision 2.
14. This license does not authorize commercial distribution of licensed material.
15. Licensed material shall not be used in or on human beings.

120000



COPY

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License No.

13-26372-01

Docket or Reference Number

030-32600

Amendment No. 02

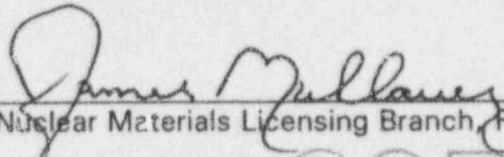
16. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
 - B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - C. A record of each disposal permitted under this License Condition shall be retained for 3 years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
17. The licensee shall maintain records of information important to safe and effective decommissioning at the location listed in Condition 10. of this license per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
18. 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 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. Application dated November 18, 1991; and,
 - B. Letters dated March 12, 1992, and May 7, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

MAY 16 1997

By


Nuclear Materials Licensing Branch, Region III

COPY

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03620
Status Code: 0
Fee Category: 3P
Exp. Date: 20020430
Fee Comments:
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
Applicant/Licensee: INDIANAPOLIS-MARION COUNTY
Received Date: 970414
Docket No: 3032600
Control No.: 302539
License No.: 13-26372-01
Action Type: Amendment

2. FEE ATTACHED

Amount:
Check No.: 0

3. COMMENTS

Signed D. Hersey
Date 5-1-97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / ☒ /)

1. Fee Category and Amount: 3P \$300

2. Correct Fee Paid. Application may be processed for:

Amendment ✓
Renewal
License

3. OTHER

Signed MC
Date 5/12/97

MAY 19 1997

Log	<u>May 2 III</u>
Remitter	<u>James A. Harby</u>
Check No.	<u>3457</u>
Amount	<u>\$300</u>
Fee Category	<u>3P</u>
Type of Fee	<u>AMD</u>
Date Check Rec'd	<u>5/12/97</u>
Date Completed	<u>5/12/97</u>
By	<u>MC</u>

1997 MAY 12 PM 4:45

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001INDIANAPOLIS-MARION COUNTY
ATTN: JOHN E. MANN
40 SOUTH ALABAMA STREET
INDIANAPOLIS, IN 46204

TYPE OF ACTION

- ☐ NEW LICENSE
☐ RENEWAL OF LICENSE
☒ AMENDMENT TO LICENSE

REQUESTED DATE

4-10-97

LICENSE NUMBER

13-26372-01

CONTROL NUMBER

302539

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	\$	\$	\$ 300.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	300.00
PAYMENT RECEIVED	\$	0.00
AMOUNT DUE	\$	300.00

☒ Your request was received without the prescribed application fee.☐ No. _____ in the amount of \$ _____. Payment of the additional fee noted above is required.☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

SIGNATURE - LICENSE FEE ANALYST

SHIRLEY CRUTCHFIELD

LFDCB

5/5/97

LFDCB

Distribution:

Pending Fee File

-FARB R/T (2)

OC/DAF/RE
OC/DAF/GF(LF-3.2.7)
Region 3

DATE

May 7, 1997

This form was electronically produced by Elite Federal Forms, Inc.

II. FEE NOT REQUIRED

☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:☐ No. _____ in payment of the fee.☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.☐ Your request was combined, prior to review, with your No. _____.

III. CHECK RETURNED

☐ Enclosed is Check No. _____ which was returned to us by the bank for:

- ☐ INSUFFICIENT FUNDS
☐ ACCOUNT CLOSED
☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ No. _____ No. _____, issued on _____, was issued without the required fee being collected. The fee required is noted in Section I of this form.☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.



INDIANAPOLIS—MARION COUNTY FORENSIC SERVICES AGENCY

(317) 327-3670 • 40 South Alabama Street • Indianapolis, Indiana 46204
FAX: (317) 327-3693
E-MAIL: IMCLAB@aol.com

JAMES E. HAMBY, M.A.
Laboratory Director

JOHN E. MANN, B.S.
Deputy Director

April 10, 1997

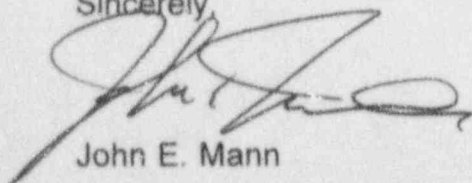
Nuclear Regulatory Commission
Material License Branch
Region 3
801 Warrenville Road
Lisle, IL 60532

The Indianapolis-Marion County Forensic Services Agency is requesting termination of our NRC License #13-26372-01. We are requesting permission for unlimited use of the room formerly used for radioactive operations. The swipe test for this room was completed March 7, 1997, and the results of the test are attached to this letter, along with a map of the room.

The remainder of the P-32 radioactive materials has been stored since March 5, 1997 and will reach half life on September 5, 1997. At this time, the lab will check for radioactivity and then dispose of all the material now in storage. The lab will then take a swipe test of the entire storage area. We will send another letter with the results of the swipe tests of the area where the radioactive material is being stored. A map of this storage area will be attached to the letter.

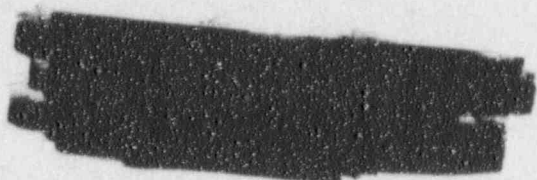
We would appreciate permission to use the above mentioned room as soon as possible, since the area in the laboratory is very limited. Thank you for your efforts concerning this matter.

Sincerely,



John E. Mann

JEM/jlm



RECEIVED

APR 14 1997

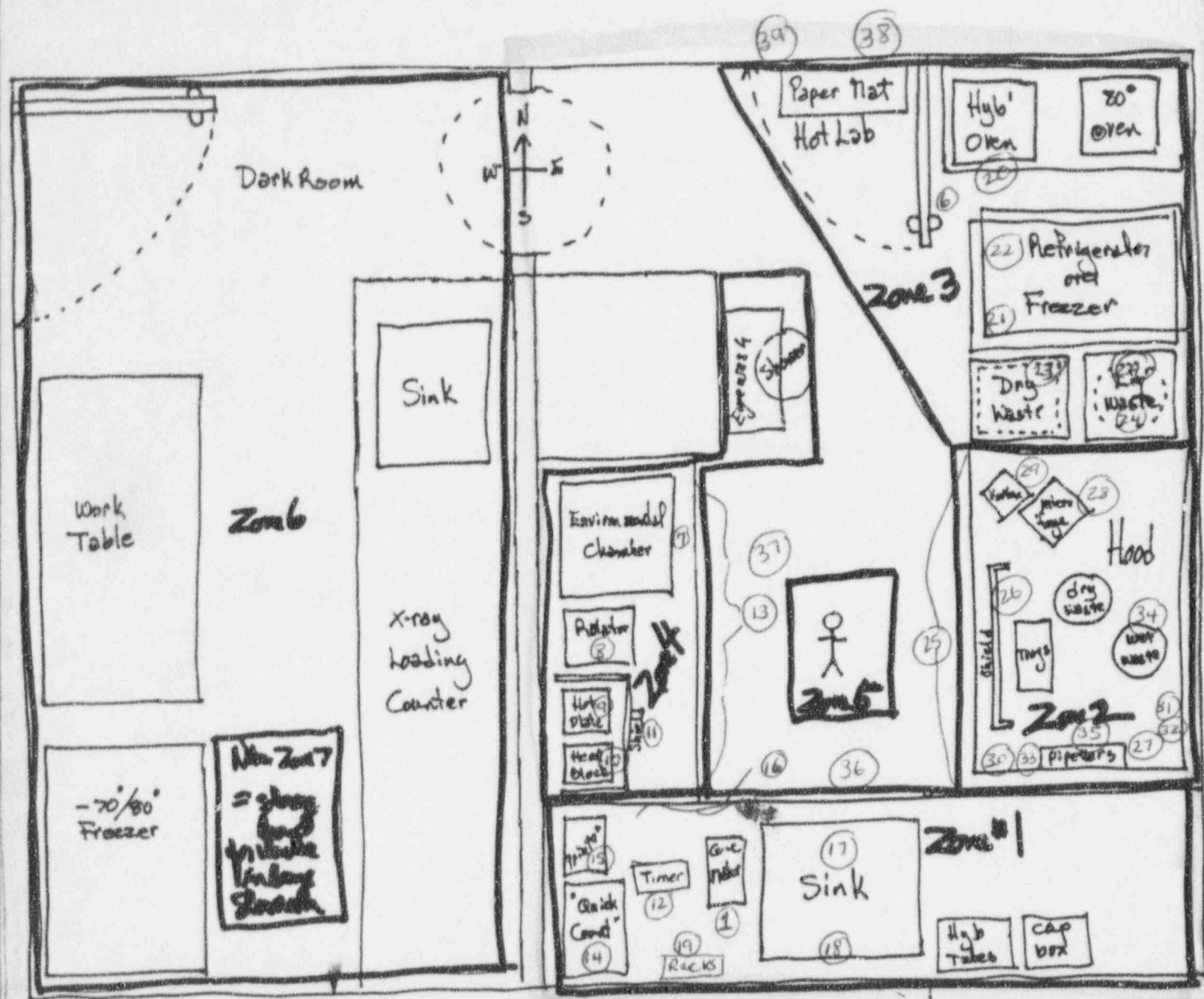
REGION III

APR 14 1997

302539

pm: 4-10-97

"Serving the Citizens and Law Enforcement Agencies of Indianapolis and Marion County"



G-● Lab Summary Day of 11 ●

Zone 1

1. ~~G-chiller~~
~~Quick Cond + printer~~
2. "Quick Cond" + printer
3. Sink + faucets
4. Hydro tubes and cap box
5. Counter

Zone 2

1. Hood opening edges + shields
2. shield + traps
3. pipettes + tools
4. empty dry waste
5. Wiping of wet waste
6. vortex and microfuge

Zone 3

1. Dry + wet waste containers
2. Fry, Fryer, ovens
3. Door knobs + floor mat

Zone 5/4

1. Shower + eye wash area
2. Environmental Chamber (in + out)
3. Rotator + shield
4. Hot plate, Heat block
5. counter

Zone 5

1. Lab coat + other clothing
2. Shoes (tops + soles)
3. Floor area between Zones 1, 2, 4.

Zone 6 (DARK ROOM)

1. Sink and counter + drawers
2. Freezer + work table

Zone 7 (Long Term Storage)

1. Outer doors of bays
2. shelves

1. These areas are to be checked before start of work and at end of each work day in that order.
2. Cleanup is to be performed if necessary
3. Check of area to be recorded on appropriate form

LAB SURVEY SAMPLE LIST

For the month of
February - 97

(circle number as collected) use space before
number to summarize results.

Date 3-7-97 Initials KB

- OK
- ✓ 1. Survey Meter - handle and dials.
 - ✓ 2. Dry waste storeroom - upper shelf.
 - ✓ 3. Dry waste storeroom - lower shelf.
 - ✓ 4. Liq waste storeroom - upper shelf.
 - ✓ 5. Liq waste storeroom - lower shelf.
 - ✓ 6. Hot lab door handles (in/out).
 - ✓ 7. Environmental Shaker - handle
 - ✓ 8. Orbital shaker - dial and switch.
 - ✓ 9. Water bath heater - dial.
 - ✓ 10. Heat block - dial and switch.
 - ✓ 11. U shaped shield - edges.
 - ✓ 12. Timer.
 - ✓ 13. Counter surface for items ~~17~~ ⁷⁻¹²
 - ✓ 14. "Quick Count" - holder lid, panel, & switch.
 - ✓ 15. "Quick Count" Printer - switches.
 - ✓ 16. Counter Surface for Items ¹⁴ ~~8~~ and ¹⁵ ~~10~~.
 - ✓ 17. Hot sink - walls and base.
 - ✓ 18. Hot sink - faucet handles.
 - ✓ 19. "Robbins" blue racks, green rack.
 - ✓ 20. "Robbins" incubator door's handles.
 - ✓ 21. Freezer door handle.
 - ✓ 22. Refrigerator door handle.
 - ✓ 23. Hot Dry Waste - storage box handle.
 - ✓ 24. Hot Liquid Waste - storage box handle.

Comments:

All samples are okay,
below 100 cpm

- OK
- ✓ 25. Hood - opening area.
 - ✓ 26. Hood - L shaped shield edges.
 - ✓ 27. Hood or Freezer - small storage box.
 - ✓ 28. Hood - microcentrifuge - lid edges, dials.
 - ✓ 29. Hood - vortex - switch, dial, cup.
 - ✓ 30. Hood - vial tray #1 (with balance tubes).
 - ✓ 31. Hood - "Seri" vial tray #2.
 - ✓ 32. Hood - "Nick Column" rack.
 - ✓ 33. Hood - metal holder for water bath.
 - ✓ 34. Hood - Hot Liquid waste - outer container.
 - ✓ 35. Hood - Pipetter's dials.
 - ✓ 36. Floor in front of hot sink.
 - ✓ 37. Floor in front of shakers.
 - ✓ 38. Floor outside hot lab.*
 - ✓ 39. Phone (receiver) - outside hot lab.*
 - ✓ 40. Alcohol (3MM 4 cm² paper blank) ^{Swale}
 - ✓ 41. Empty tube blank.*

Extra Samples Date _____ Initials _____

- A _____
- B _____
- C _____
- D _____
- E _____
- F _____
- G _____

* (as negative control)

Date Reviewed By: _____

Name

Date

3-7-97

Empty holders

PAGE

14:26

USER: 1 ID:NICK PRESET TIME: 0.50
CAMPLE REPEAT: 0 CYCLE REPEAT: 1 SCR:N RS232:N
M#: 0 ADD:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 25 UL:1000 ZSIGMA: 2.00 BKG SUB: 0.00 BKG ZSIG: 0.00 LSR:
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:0 1.00000
HALF LIFE(DAYS):N

SAN	POS	CH	CPM	ZSIG%	TIME	EL TIME
1	2	1	82.00	31.23	0.50	0.57
2	3	1	24.00	57.74	0.50	1.20
3	4	1	34.00	48.51	0.50	1.82
4	5	1	56.00	37.80	0.50	2.45
5	6	1	44.00	42.64	0.50	3.07
6	7	1	28.00	53.45	0.50	3.69
7	8	1	32.00	50.00	0.50	4.31
8	9	1	50.00	40.00	0.50	4.94
9	10	1	32.00	50.00	0.50	5.56
10	11	1	120.00	25.82	0.50	6.19 - vial removed
11	12	1	54.00	38.49	0.50	6.81
12	13	1	40.00	44.72	0.50	7.44
13	14	1	30.00	51.64	0.50	8.06
14	15	1	330.00	15.57	0.50	8.69 - vial removed
15	16	1	36.00	47.14	0.50	9.31
16	17	1	38.00	45.88	0.50	9.94
17	18	1	374.00	14.63	0.50	10.56 - vial removed
18	19	1	50.00	40.00	0.50	11.18
19	20	1	22.00	60.30	0.50	11.80
20	21	1	26.00	55.47	0.50	12.43
21	22	1	24.00	57.74	0.50	13.05
22	23	1	34.00	48.51	0.50	13.68
23	24	1	30.00	51.64	0.50	14.30
24	25	1	26.00	55.47	0.50	14.93
25	26	1	28.00	53.45	0.50	15.54
26	27	1	46.00	41.70	0.50	16.17
27	28	1	238.00	18.33	0.50	16.79 - vial removed
28	29	1	22.00	60.30	0.50	17.42
29	30	1	28.00	53.45	0.50	18.04
30	31	1	16.00	70.71	0.50	18.67
31	32	1	16.00	70.71	0.50	19.29
32	33	1	22.00	60.30	0.50	19.91
33	34	1	22.00	50.00	0.50	20.53
34	35	1	30.00	51.64	0.50	21.16
35	36	1	38.00	45.88	0.50	21.78
36	37	1	210.00	19.52	0.50	22.41 - vial removed
37	38	1	32.00	50.00	0.50	23.03
38	39	1	32.00	50.00	0.50	23.66
39	40	1	26.00	55.47	0.50	24.28
40	41	1	42.00	43.64	0.50	24.90

Samples

USER: 2 ID: LAB SURVEY
 SAMPLE REPEAT: 1 CYCLE REPEAT: 1 CORR: 1
 HSE: 0.000000 DEF: 0.000000 PHASE MONITOR: 0
 CHANNEL 1-11: 25 ULY 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
 CHANNEL 2-11: 25 ULY 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
 CHANNEL 3-11: 25 ULY 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
 DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM CALIB: 1.00000
 HALF LIFE (DAYS): 0

100M POS CH EPR 2500% TIME EL TIME

1	2	1	1557.00	4.51	1.00	1.09
		2	2005.00	4.47		
		3	2005.00	4.47		
2	3	1	23.00	41.70	1.00	2.22
		2	25.00	33.81		
		3	35.00	33.81		
3	4	1	12.00	55.47	1.00	3.36
		2	30.00	36.51		
		3	30.00	36.51		
4	5	1	14.00	53.45	1.00	4.49
		2	24.00	40.82		
		3	24.00	40.82		
5	6	1	24.00	40.82	1.00	5.63
		2	30.00	36.51		
		3	30.00	36.51		
6	7	1	11.00	60.30	1.00	6.76
		2	22.00	42.64		
		3	22.00	42.64		
7	8	1	20.00	44.72	1.00	7.90
		2	30.00	36.51		
		3	30.00	36.51		
8	9	1	21.00	43.64	1.00	9.03
		2	31.00	35.92		
		3	31.00	35.92		
9	10	1	72.00	23.57	1.00	10.17
		2	84.00	21.82		
		3	85.00	21.69		
10	11	1	9.00	66.67	1.00	11.39
		2	11.00	60.30		
		3	11.00	60.30		
11	12	1	17.00	48.51	1.00	12.44
		2	33.00	34.82		
		3	33.00	34.82		
12	13	1	1358.00	5.43	1.00	13.57
		2	1369.00	5.41		
		3	1369.00	5.41		
13	14	1	31.00	35.92	1.00	14.11
		2	48.00	28.87		
		3	40.00	20.25		
14	15	1	79.00	24.23		
		2	61.00	31.25		
		3	61.00	31.25		
15	16	1	79.00	24.23		
		2	61.00	31.25		
		3	61.00	31.25		

Recounted in different vial
 Pos # 46

Recounted in different vial
 Pos # 47

Recounted in different vial
 Pos # 48

Recounted in different vial
 Pos # 49

DATE	TIME	IN	OUT	TIME	EL. TIME
17	17	1	1.00 75.71	1.00	20.41
		2	20.00 44.72		
		3	20.00 44.72		
18	18	1	18.00 47.14	1.00	21.07
		2	23.00 35.81		
		3	23.00 35.81		
19	19	1	19.00 43.38	1.00	22.70
		2	22.00 35.74		
		3	22.00 35.74		
20	20	1	21.00 43.44	1.00	23.84
		2	22.00 32.88		
		3	22.00 32.88		
22	22	1	19.00 47.14	1.00	24.97
		2	35.00 33.81		
		3	35.00 33.81		
23	24	1	17.00 48.51	1.00	26.11
		2	29.00 37.14		
		3	29.00 37.14		
24	25	1	14.00 53.45	1.00	27.24
		2	23.00 41.70		
		3	23.00 41.70		
25	26	1	24.00 40.82	1.00	28.38
		2	39.00 32.03		
		3	40.00 31.62		
26	27	1	11.00 60.30	1.00	29.51
		2	24.00 40.82		
		3	24.00 40.82		
27	28	1	21.00 43.64	1.00	30.62
		2	34.00 34.30		
		3	34.00 34.30		
28	29	1	16.00 50.00	1.00	31.75
		2	31.00 35.92		
		3	31.00 35.92		
29	30	1	32.00 35.36	1.00	32.89
		2	40.00 31.62		
		3	40.00 31.62		
30	31	1	29.00 40.00	1.00	34.03
		2	35.00 33.81		
		3	35.00 33.81		
31	32	1	18.00 47.14	1.00	35.16
		2	41.00 31.23		
		3	42.00 30.86		
32	33	1	234.00 17.07	1.00	36.29
		2	250.00 17.45		
		3	250.00 17.45		
33	34	1	16.00 50.00	1.00	37.43
		2	35.00 40.00		
		3	35.00 40.00		
34	35	1	24.00 40.00	1.00	38.57
		2	31.00 34.82		
		3	31.00 34.82		
35	36	1	10.00 63.25	1.00	39.70
		2	23.00 41.70		
		3	23.00 41.70		
36	37	1	728.00 7.12	1.00	40.83
		2	804.00 7.04		

Recounted in different vial
Pos # 50

Recounted in different vial
pos # 51

37	39	1	16.00	50.00	1.00	41.98
		2	29.00	37.14		
		3	29.00	37.14		

PAGE

SAM	FDS	CH	CPM	2B16%	TIME	EL TIME
38	40	1	19.00	45.88	1.00	43.12
		2	29.00	37.14		
		3	29.00	37.14		
39	41	1	28.00	37.80	1.00	44.27
		2	40.00	31.62		
		3	41.00	31.23		
40	42	1	16.00	50.00	1.00	45.41
		2	23.00	41.70		
		3	23.00	41.70		
41	43	1	9.00	66.67	3.00	46.54
		2	15.00	30.00		
		3	15.00	30.00		

*few samples. recounted
in different vial*

PAGE

USER: 2 ID: LAB SURVEY PRESET TIME: 1.00
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR: N RS232: N
H#: 0 ADC: N DCF: N RCM: N 2 PHASE MONITOR: N
CHANNEL 1-LL: 25 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
CHANNEL 2-LL: 25 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
CHANNEL 3-LL: 25 UL: 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR: 0 1.00000
HALF LIFE (DAYS): N

FRI 07 MAR 1997 15:50

SAM	PDS	CH	CPM	2SIG%	TIME	EL TIME
12 2 /	46	1	16.00	50.00	1.00	1.08
		2	28.00	37.80		
		3	28.00	37.80		
15 36 /	47	1	10.00	63.25	1.00	2.22
		2	19.00	45.88		
		3	19.00	45.88		
16 /	48	1	16.00	50.00	1.00	3.36
		2	29.00	37.14		
		3	29.00	37.14		
32 /	49	1	22.00	42.64	1.00	4.49
		2	30.00	36.51		
		3	30.00	36.51		
36 /	50	1	14.00	53.45	1.00	5.62
		2	24.00	40.82		
		3	24.00	40.82		
1 /	51	1	16.00	50.00	1.00	6.76
		2	30.00	36.51		
		3	30.00	36.51		

MAY 16 1997

John E. Mann
Deputy Director
Indianapolis - Marion County
Forensic Services Agency
147 East Maryland
Indianapolis, IN 46204

Dear Mr. Mann:

Enclosed is Amendment No. 02 to your NRC Material License No. 13-26372-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the mailing address listed on the license changes. (No fee is required if the location of byproduct material remains the same.)
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when a decision is made to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;

302539

- b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - d. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
James R. Mullauer, M.H.S.
Health Physicist
Nuclear Materials Licensing Branch

License No. 13-26372-01
Docket No. 030-32600

Enclosure: Amendment No. 02

DOCUMENT NAME: M:\03032600.CL7

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RII								
NAME	JRMullauer:brt								
DATE	05/14/97								

OFFICIAL RECORD COPY



INDIANAPOLIS—MARION COUNTY FORENSIC SERVICES AGENCY

(317) 327-3670 • 40 South Alabama Street • Indianapolis, Indiana 46204

FAX: (317) 327-3693

E-MAIL: IMCLAB@aol.com

JAMES E. HAMBY, M.A.
Laboratory Director

JOHN E. MANN, B.S.
Deputy Director

Control #302539

License #13-26372-01

May 7, 1997

James Mullauer
Nuclear Regulatory Commission
Material License Branch
Region 3
801 Warrenville Road
Lisle, IL 60532

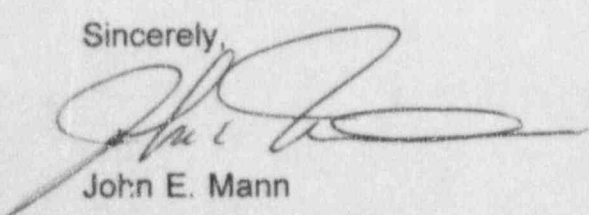
Dear Mr. Mullauer:

The Indianapolis-Marion County Forensic Services Agency is requesting release of the area previously used for DNA P-32 analysis. A map depicting this location will be attached. The swipe tests from 5 zones for this room were completed March 7, 1997, and results of the test are attached to this letter.

The remainder of the P-32 radioactive materials has been stored since March 5, 1997 (in zone 7 marked on map attached) and will reach 12 half life on September 5, 1997. At this time, the lab will check for radioactivity and then dispose of all the material now in storage. The lab will then take a swipe test of the entire storage area. We will send another letter for termination of the license with the results of the swipe tests of the area where the radioactive material is being stored. A map of this storage area will be attached to the letter.

We would appreciate permission to use the above mentioned room as soon as possible, since the area in the laboratory is very limited. Thank you for your efforts concerning this matter.

Sincerely,


John E. Mann

P.S. A check for the fee of \$300.00 is attached.
JEM/jlm

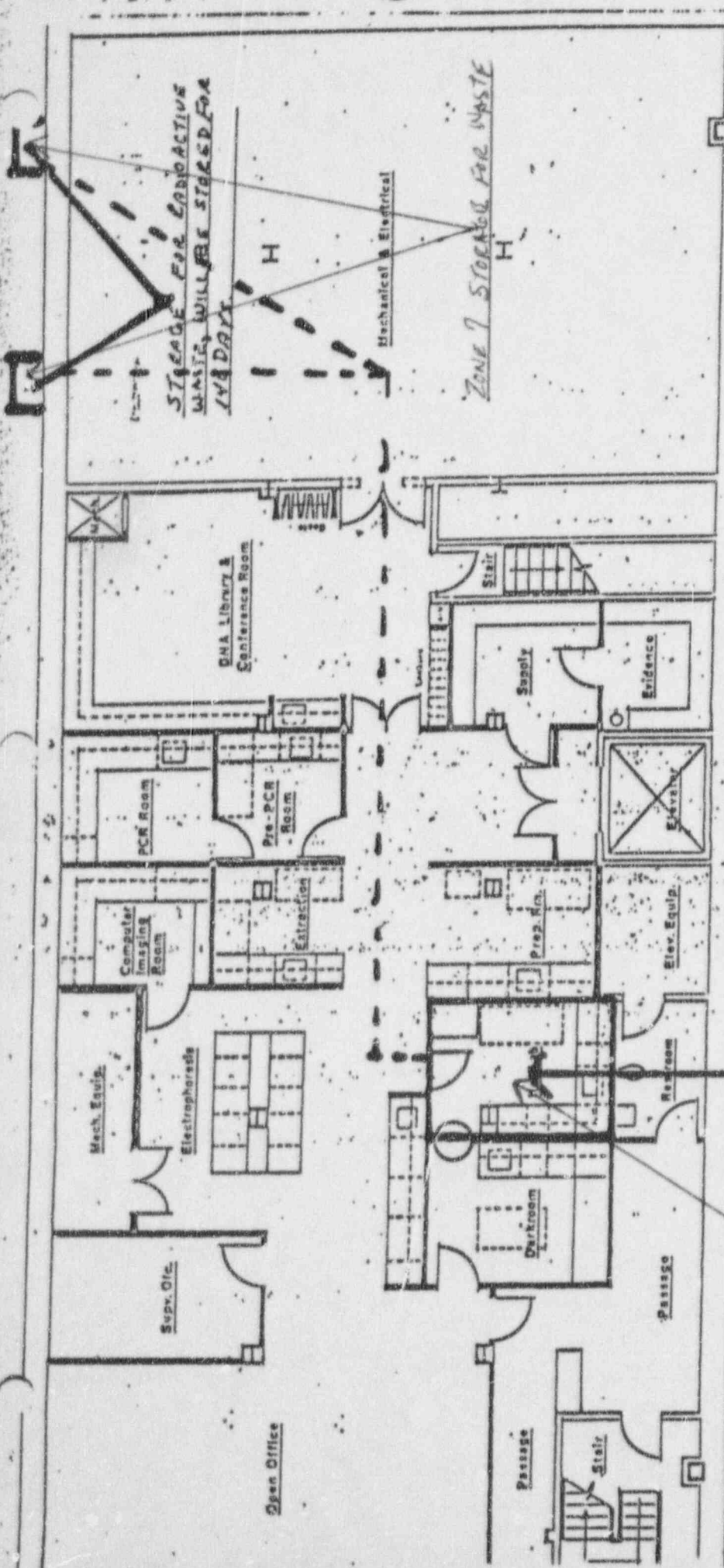
RECEIVED

MAY 08 1997

REGION III

pm: 5-7-97

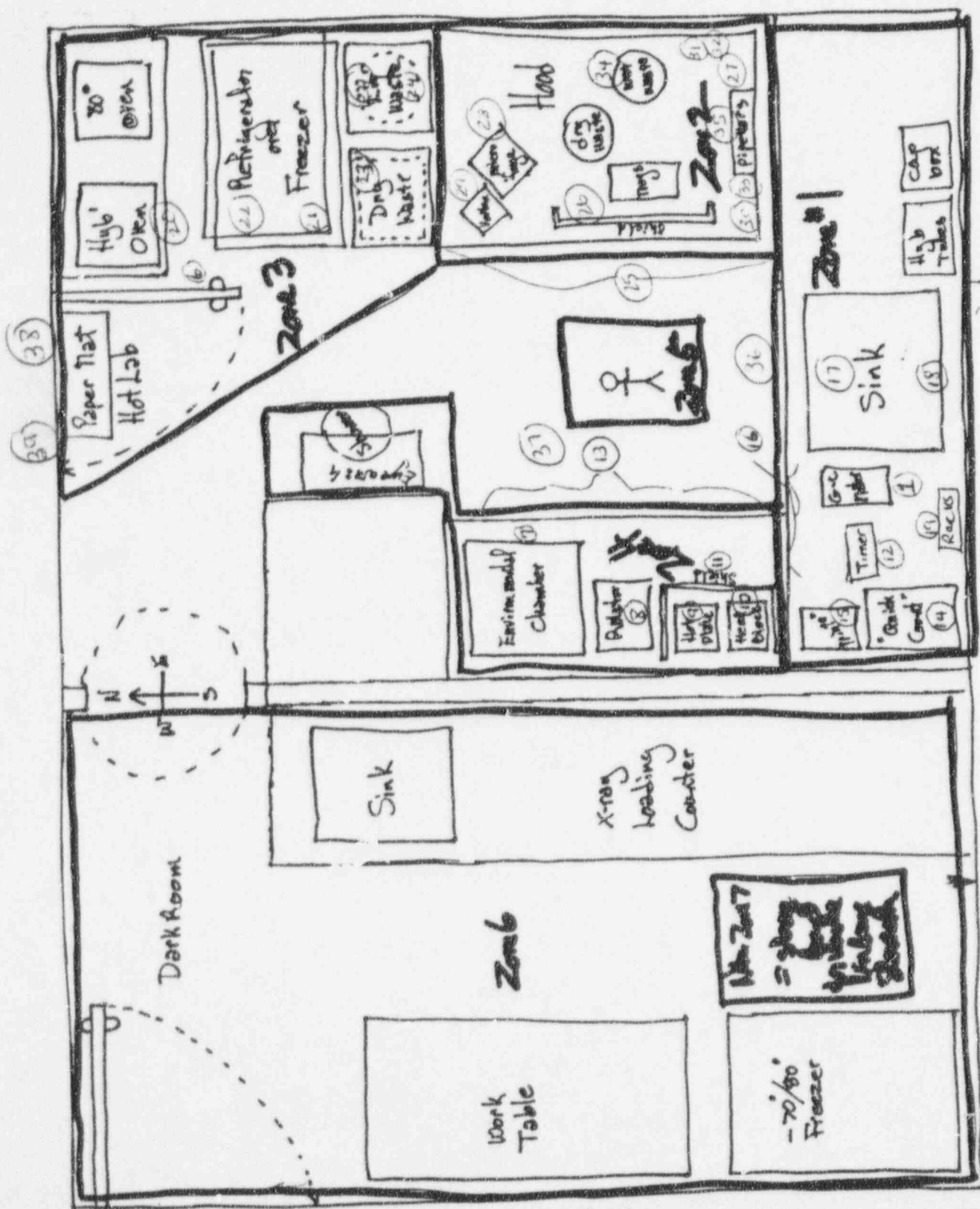
"Serving the Citizens and Law Enforcement Agencies of Indianapolis and Marion County"



Room that needs to be released for unlimited use has not been used since March 5, 1997

Hot Room & Temporary Storage for Radioactive Waste. The pain of moving radioactive waste from temporary storage to final storage

Diagram of Laboratory with Hot Areas in Red



LAB SURVEY SAMPLE LIST

For the month of February - 97

(circle number as collected) use space before number to summarize results.

Date 3-7-97 Initials KB

- ✓ 1. Survey Meter - handle and dials.
- ✓ 2. Dry waste storeroom - upper shelf.
- ✓ 3. Dry waste storeroom - lower shelf.
- ✓ 4. Liq waste storeroom - upper shelf.
- ✓ 5. Liq waste storeroom - lower shelf.
- ✓ 6. Hot lab door handles (in/out).
- ✓ 7. Environmental Shaker - handle
- ✓ 8. Orbital shaker - dial and switch.
- ✓ 9. Water bath heater - dial.
- ✓ 10. Heat block - dial and switch.
- ✓ 11. U shaped shield - edges.
- ✓ 12. Timer.
- ✓ 13. Counter surface for items 17, 7-12
- ✓ 14. "Quick Count" - holder lid, panel, & switch.
- ✓ 15. "Quick Count" Printer - switches.
- ✓ 16. Counter Surface for items 14 and 18, 15.
- ✓ 17. Hot sink - walls and base.
- ✓ 18. Hot sink - faucet handles.
- ✓ 19. "Robbins" blue racks, green rack.
- ✓ 20. "Robbins" incubator door's handles.
- ✓ 21. Freezer door handle.
- ✓ 22. Refrigerator door handle.
- ✓ 23. Hot Dry Waste - storage box handle.
- ✓ 24. Hot Liquid Waste - storage box handle.

- ✓ 25. Hood - opening area.
- ✓ 26. Hood - L shaped shield edges.
- ✓ 27. Hood or Freezer - small storage box.
- ✓ 28. Hood - microcentrifuge - lid edges, dials.
- ✓ 29. Hood - vortex - switch, dial, cup.
- ✓ 30. Hood - vial tray #1 (with balance tubes).
- ✓ 31. Hood - "Seri" vial tray #2.
- ✓ 32. Hood - "Nick Column" rack.
- ✓ 33. Hood - metal holder for water bath.
- ✓ 34. Hood - Hot Liquid waste - outer container.
- ✓ 35. Hood - Pipetter's dials.
- ✓ 36. Floor in front of hot sink.
- ✓ 37. Floor in front of shakers.
- ✓ 38. Floor outside hot lab.*
- ✓ 39. Phone (receiver) - outside hot lab.*
- ✓ 40. Alcohol (3MM) 4 cm² paper blank. Swab
- ✓ 41. Empty tube blank.*

Extra Samples Date _____ Initials _____

- A _____
- B _____
- C _____
- D _____
- E _____
- F _____
- G _____

* (as negative control)

Comments:

All samples are okay,
below 100 cpm

Date Reviewed By: APH 3/11/97
Name _____ Date _____

3-7-97

Empty holders

PAGE:

14:26

USER: 1 ID:NICK PRESET TIME: 0.50
SAMPLE REPEAT: 0 CYCLE REPEAT: 1 SCR:N RS232:N
HH: 0 ADD:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 25 UL:1000 2S15MA: 2.00 BKG SUB: 0.00 BKG 2S16: 0.00 LSR:
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:0 1.00000
HALF LIFE(DAYS):N

SAM	P05	CH	DPM	CPM	2S16%	TIME	EL TIME
1	2	1	124.24	82.00	31.23	0.50	0.57
2	3	1	36.36	24.00	57.74	0.50	1.20
3	4	1	57.57	34.00	48.51	0.50	1.82
4	5	1	94.84	56.00	37.80	0.50	2.45
5	6	1	66.66	44.00	42.64	0.50	3.07
6	7	1	42.42	28.00	53.45	0.50	3.69
7	8	1	48.48	32.00	50.00	0.50	4.31
8	9	1	75.75	50.00	40.00	0.50	4.94
9	10	1	48.48	32.00	50.00	0.50	5.56
10	11	1	181.81	120.00	25.82	0.50	6.19 - vial removed
11	12	1	81.81	54.00	38.49	0.50	6.81
12	13	1	66.60	40.00	44.72	0.50	7.44
13	14	1	45.45	30.00	51.64	0.50	8.06
14	15	1	50.00	30.00	15.57	0.50	8.69 - vial removed
15	16	1	54.54	36.00	47.14	0.50	9.31
16	17	1	52.57	38.00	45.88	0.50	9.94
17	18	1	516.66	374.00	14.63	0.50	10.56 - vial removed
18	19	1	75.75	50.00	40.00	0.50	11.18
19	20	1	33.33	22.00	60.30	0.50	11.80
20	21	1	39.39	26.00	55.47	0.50	12.43
21	22	1	36.36	24.00	57.74	0.50	13.05
22	23	1	57.57	34.00	48.51	0.50	13.68
23	24	1	45.45	30.00	51.64	0.50	14.30
24	25	1	39.39	26.00	55.47	0.50	14.93
25	26	1	42.42	28.00	53.45	0.50	15.54
26	27	1	65.65	46.00	41.70	0.50	16.17
27	28	1	396.66	238.00	18.33	0.50	16.79 - vial removed
28	29	1	33.33	22.00	60.30	0.50	17.41
29	30	1	42.42	28.00	53.45	0.50	18.04
30	31	1	24.24	16.00	70.71	0.50	18.67
31	32	1	24.24	16.00	70.71	0.50	19.29
32	33	1	33.33	22.00	60.30	0.50	19.91
33	34	1	48.48	32.00	50.00	0.50	20.53
34	35	1	45.45	30.00	51.64	0.50	21.16
35	36	1	57.57	38.00	45.88	0.50	21.78
36	37	1	318.18	210.00	19.52	0.50	22.41 - vial removed
37	38	1	48.48	32.00	50.00	0.50	23.03
38	39	1	48.48	32.00	50.00	0.50	23.66
39	40	1	39.39	26.00	55.47	0.50	24.27
40	41	1	63.63	42.00	43.64	0.50	24.90

Samples

PAGE:

USER: 2 ID: LAB SURVEY PRESET TIME: 1.00 FRI 07 MAR 1997 14:52
 SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCRIN RS232:N
 HB: 0 ADDIN DCFIN ROMER 2 PHASE MONITOR:N
 CHANNEL 1-LL: 25 UL: 400 2SIGMA: 2.00 BKB SUB: 0.00 BKB 2SIG: 0.00 LSR:
 CHANNEL 2-LL: 25 UL: 670 2SIGMA: 2.00 BKB SUB: 0.00 BKB 2SIG: 0.00 LSR:
 CHANNEL 3-LL: 25 UL: 1000 2SIGMA: 2.00 BKB SUB: 0.00 BKB 2SIG: 0.00 LSR:
 DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR: 0 1.00000
 HALF LIFE(DAYS): N

SAM POS CH DPM CFM 2SIG% TIME EL TIME

1	2	1	1567.00	4.51	1.00	1.09
		2	2005.00	4.47		
		3	2005.00	4.47		
2	3	1	34.84	23.60	1.00	2.22
		2	53.03	35.00		
		3	53.03	35.00		
3	4	1	19.69	13.00	1.00	3.36
		2	45.45	30.00		
		3	45.45	30.00		
4	5	1	21.21	14.00	1.00	4.49
		2	36.36	24.00		
		3	36.36	24.00		
5	6	1	36.36	24.00	1.00	5.63
		2	45.45	30.00		
		3	45.45	30.00		
6	7	1	16.66	11.00	1.00	6.76
		2	33.33	22.00		
		3	33.33	22.00		
7	8	1	30.30	20.00	1.00	7.90
		2	45.45	30.00		
		3	45.45	30.00		
8	9	1	31.81	21.00	1.00	9.03
		2	46.94	31.00		
		3	46.94	31.00		
9	10	1	109.09	72.00	1.00	10.17
		2	127.27	84.00		
		3	127.27	84.00		
10	11	1	13.63	9.00	1.00	11.30
		2	16.66	11.00		
		3	16.66	11.00		
11	12	1	25.75	17.00	1.00	12.44
		2	50	33.00		
		3	50	33.00		
12	13	1	1358.00	5.43	1.00	13.57
		2	1369.00	5.41		
		3	1369.00	5.41		
13	14	1	46.94	31.00	1.00	14.71
		2	72.72	48.00		
		3	72.72	48.00		
14	15	1	82.87	58.00	1.00	15.84
		2	92.42	61.00		
		3	92.42	61.00		
15	16	1	22.22	13.00	1.00	16.99
		2	33.33	20.00		
		3	33.33	20.00		
16	17	1	41.82	27.00	1.00	18.17
		2	62.73	40.00		
		3	62.73	40.00		

— Recounted in different vial
Pos # 46

Recounted in different vial
Pos # 47

Recounted in different vial
Pos # 48
Recounted in different vial
Pos # 49

2 35.00 34.82
3 35.00 34.82

PAGE 1

SAM	REP	CH	DFM	LPM	25702	TIME	EL TIME
19	19	1	12.12	8.00	76.71	1.00	20.41
		2	30.30	20.00	44.72		
		3	30.30	20.00	44.72		
20	20	1	27.27	18.00	47.14	1.00	21.37
		2	53.03	35.00	33.81		
		3	53.03	35.00	33.81		
21	21	1	28.78	19.00	43.88	1.00	22.70
		2	48.48	32.00	35.36		
		3	48.48	32.00	35.36		
22	22	1	31.81	21.00	43.64	1.00	23.84
		2	52.06	37.00	32.88		
		3	52.06	37.00	32.88		
23	23	1	32.27	19.00	47.14	1.00	24.97
		2	53.03	35.00	33.81		
		3	53.03	35.00	33.81		
24	24	1	35.75	17.00	48.51	1.00	26.11
		2	43.93	29.00	37.14		
		3	43.93	29.00	37.14		
25	25	1	21.21	14.00	53.45	1.00	27.24
		2	34.84	23.00	41.70		
		3	34.84	23.00	41.70		
26	26	1	36.36	24.00	40.82	1.00	28.38
		2	59.09	39.00	32.03		
		3	60.60	40.00	31.62		
27	27	1	16.66	11.00	60.30	1.00	29.51
		2	36.36	24.00	40.82		
		3	36.36	24.00	40.82		
28	28	1	31.81	21.00	43.64	1.00	30.62
		2	51.51	34.00	34.30		
		3	51.51	34.00	34.30		
29	29	1	24.24	16.00	50.00	1.00	31.75
		2	46.94	31.00	35.92		
		3	46.94	31.00	35.92		
30	30	1	48.48	32.00	35.36	1.00	32.89
		2	60.60	40.00	31.62		
		3	60.60	40.00	31.62		
31	31	1	37.87	25.00	40.00	1.00	34.03
		2	53.03	35.00	33.81		
		3	53.03	35.00	33.81		
32	32	1	27.27	18.00	47.14	1.00	35.16
		2	42.12	41.00	31.23		
		3	42.12	41.00	31.23		
33	33	1	234.00	13.07		1.00	36.27
		2	258.00	12.45			
		3	258.00	12.45			
34	34	1	24.24	16.00	50.00	1.00	37.43
		2	37.87	25.00	40.00		
		3	37.87	25.00	40.00		
35	35	1	36.36	24.00	40.82	1.00	38.57
		2	50	33.00	34.82		
		3	50	33.00	34.82		
36	36	1	15.15	10.00	63.25	1.00	39.70
		2	34.84	23.00	41.70		
		3	34.84	23.00	41.70		
37	37	1	788.00	7.12		1.00	40.83
		2	906.00	7.04			

Recounted in different vial
pos # 50

Recounted in different vial
pos # 51

37	39	1	16.00	50.00	1.00	41.98
		2	29.00	37.14		
		3	29.00	37.14		

PAGE:

SAM	POS	CH	DPM	CPM	2SIG%	TIME	EL TIME
38	40	1	28.78	19.00	45.88	1.00	43.12
		2	43.93	29.00	37.14		
		3	43.93	29.00	37.14		
39	41	1	42.42	28.00	37.80	1.00	44.27
		2	60.60	40.00	31.62		
		3	62.12	41.00	31.23		
40	42	1	24.24	16.00	50.00	1.00	45.41
		2	34.84	23.00	41.70		
		3	34.84	23.00	41.70		
41	43	1	13.63	9.00	66.67	1.00	46.54
		2	24.24	16.00	50.00		
		3	24.24	16.00	50.00		

*few samples - recounted
in different vial*

PAGE:

USER: 2 ID: LAB SURVEY PRESET TIME: 1.00 FRI 07 MAR 1997 15:50
 SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR: N RS232: N
 H#: 0 ADC: N DCF: N RCM: N 2 PHASE MONITOR: N
 CHANNEL 1-LL: 25 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
 CHANNEL 2-LL: 25 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
 CHANNEL 3-LL: 25 UL: 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR:
 DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR: 0 1.00000
 HALF LIFE (DAYS): N

SAM	PDS	CH	DPM	CPM	2SIG%	TIME	EL TIME
12 2 /	46	1	24.24	16.00	50.00	1.00	1.08
		2	42.42	28.00	37.80		
		3	42.42	28.00	37.80		
15 36 /	47	1	15.15	10.00	63.25	1.00	2.22
		2	38.78	19.00	45.88		
		3	38.78	19.00	45.88		
16 /	48	1	24.24	16.00	50.00	1.00	3.36
		2	43.93	29.00	37.14		
		3	43.93	29.00	37.14		
32 /	49	1	23.33	22.00	42.64	1.00	4.49
		2	45.45	30.00	36.51		
		3	45.45	30.00	36.51		
36 /	50	1	21.21	14.00	53.45	1.00	5.62
		2	36.36	24.00	40.82		
		3	36.36	24.00	40.82		
1 /	51	1	24.24	16.00	50.00	1.00	6.76
		2	45.45	30.00	36.51		
		3	45.45	30.00	36.51		

CONVERSATION RECORD

TIME | DATE
2 p.m. | 4/30/97☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT

ORGANIZATION (OFFICE, DEPT., ETC.)

TELEPHONE NO.

John Mann, Deputy Director
Indianapolis-Marion County Forensic Services Agency
317-327-3670

SUBJECT

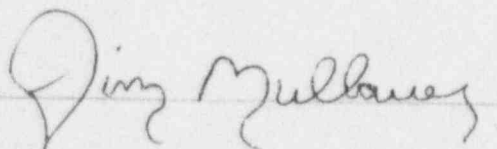
Amendment request to terminate the license

SUMMARY

I spoke with John to obtain the following information:

1. I explained that we could not terminate the license since they still had RAM in storage for decay. John explained that at this time, they only wish to decommission their laboratory and not terminate the license. John will send a new letter which better describes their intention.
2. Provide a diagram of the current waste storage area to show that the storage area is not involved with the laboratory.
3. Many part of the survey results are not readable. Provide a better copy of the survey results.
4. Survey results need to be in DPM/100 square cm, not CPM.
5. Need to know info about the counting system and survey instrument used to do a survey.

This action is certified by



ACTION REQUIRED

Response is due in 20 days

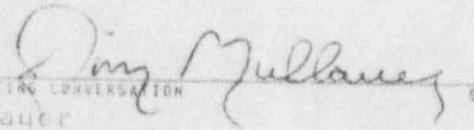
NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

James R. Mullauer

4/30/97

 5/1/97



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

April 22, 1997

Mohammad A. Tahir, Ph.D.
Radiation Safety Officer
Indianapolis-Marion County
Forensic Services Agency
147 East Maryland
Indianapolis, IN 46204

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 04/10/97)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License ☐ Amendment ☐ Renewal
☒ Termination ☐ Auth User (Amendment not required)
☐ Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302539
License No. 13-26372-01