

030-30612

CRYSTAL DIAGNOSTICS

April 7, 1989

Mr. John Jensen
US NRC
Region 1
475 Allendale Road
King of Prussia, PA 19406

Dear Mr. Jensen:

As I noted during your visit on March 28, we plan to relocate Crystal Diagnostics, Inc. to a new location in Woburn, MA located at 30 Commerce Way, Woburn, MA 01801. We would like authorization to operate our current Materials License at this new facility (our license no. is 20-28219-01). I have enclosed a floor plan for this new facility. We intend to contain any work with radiochemicals within room 31 (encircled on the enclosed floor plan). This room is 10 X 12 feet and will contain the scintillation counter, bench space and hood for radiochemical work. Radiochemicals will be stored in a locked refrigerator located just outside this room.

We plan to relocate by the third week in May. We have stopped all current work with radiochemicals at 600 West Cummings Park on March 31.

We have checked by swabbing and scintillation counting for carbon 14 or tritium around the work area for radiochemicals, including benches, bench tops, floor, the floor leading to the scintillation counter, surface areas on the outside of the refrigerator storing radiochemicals.

I have enclosed a copy of areas surveyed and the prints of the scintillation counting from these swabs taken. Based on this evaluation, I believe the area in which we have worked with radiochemicals is at background level of radiation.

We currently have in our inventory 472 uc of carbon 14 distributed among six compounds and 968 uc of tritium distributed among four compounds.

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REG1 LIC30 PDR
20-28219-01

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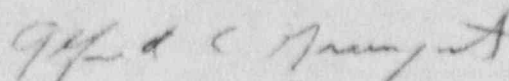
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Mr. John Jensen
US NRC
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Please advise me if you need any additional information regarding our leaving the current facility or moving to our new location. If you need to return to this site for your own evaluation, I would like to know when you would be able to do so.

Sincerely,



Alfred C. Greenquist, Ph.D.
Director, R&D

ACG/lab

cc: J. Schulte
F. McHugh
J. Tremblay

4/26/89 Count Survey of Radiation Areas

Sample No.	Count Levels (cpm) (10 min. or 40K count)	
	[13H]	[14C]
1	21.1	10.1
2	12.2	9.9
3	13.7	12.0
4	12.6	12.2
5	23.0	24.9
6	13.9	10.0
7	15.2	10.8
8	10.8	11.7
9	13.6	13.2
10	11.3	11.4
11	16.6	20.0
12	15.3	9.4
13	20.8	11.0
14	11.3	9.4
15	12.8	9.4
16	15.5	14.7
17	12.3	12.3
18	12.3	11.0

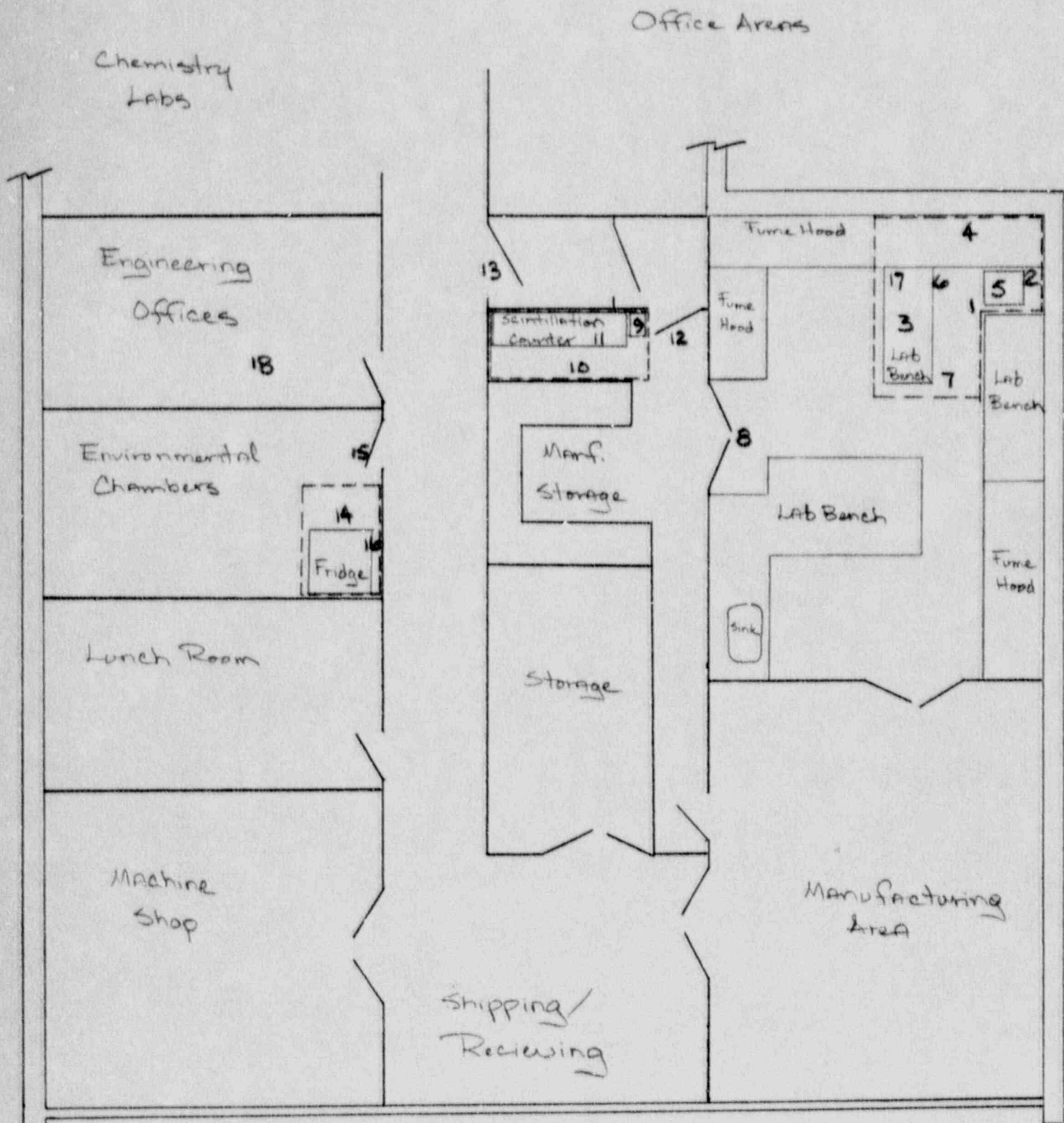
Sample No.	Swipe Area Description (Methanol on a Kimwipe tissue)
1	Floor in work area, at corner of bench top
2	Floor in work area, in corner
3	Top of work bench
4	Top of flow hood
5	Top of rolling cart
6	Floor next to hood, under the bench
7	Floor at end of bench
8	Doorknobs to area, inside and out
9	Table top next to counter
10	Floor in front of counter
11	Top of counter (cover handle, keys)
12	Doorknobs at counter, inside and out
13	Floor at door threshold
14	Floor in front of storage freezer
15	Doorknobs to storage, inside and out
16	Freezer door handle and padlock
17	Key to storage freezer
18	Sample Blank taken from office area

Notes: All samples were taken after general decontamination of all areas, washing first with water and then with methanol.

PH	SH	MINUTES	CTS.A	D B	ID RW	ESP	B/A	PM A	CPM B
5	262	10.000	221	101	1	1.983	0.457	22.1	10.1
5	263	10.000	122	99	2	2.242	0.811	12.2	9.9
5	264	10.000	132	120	3	1.990	0.909	13.2	12.0
5	265	10.000	126	122	4	2.333	0.968	12.6	12.2
5	266	10.000	230	249	5	2.929	1.083	23.0	24.9
5	267	10.000	139	100	6	1.864	0.719	13.9	10.0
5	268	10.000	152	108	7	2.093	0.711	15.2	10.8
5	269	10.000	108	117	8	2.151	1.083	10.8	11.7
5	270	10.000	136	132	9	2.207	0.971	13.6	13.2
5	271	10.000	113	114	10	2.332	1.009	11.3	11.4
5	272	10.000	166	200	11	2.467	1.205	16.6	20.0
5	273	10.000	153	94	12	1.875	0.614	15.3	9.4
5	274	10.000	208	110	13	1.710	0.529	20.8	11.0
5	275	10.000	113	94	14	3.061	0.832	11.3	9.4
5	276	10.000	128	94	15	2.220	0.734	12.8	9.4
5	277	10.000	155	147	16	2.059	0.948	15.5	14.7
5	278	10.000	123	123	17	1.830	1.000	12.3	12.3
5	279	10.000	123	110	18	1.961	0.894	12.3	11.0

Count Survey MAP

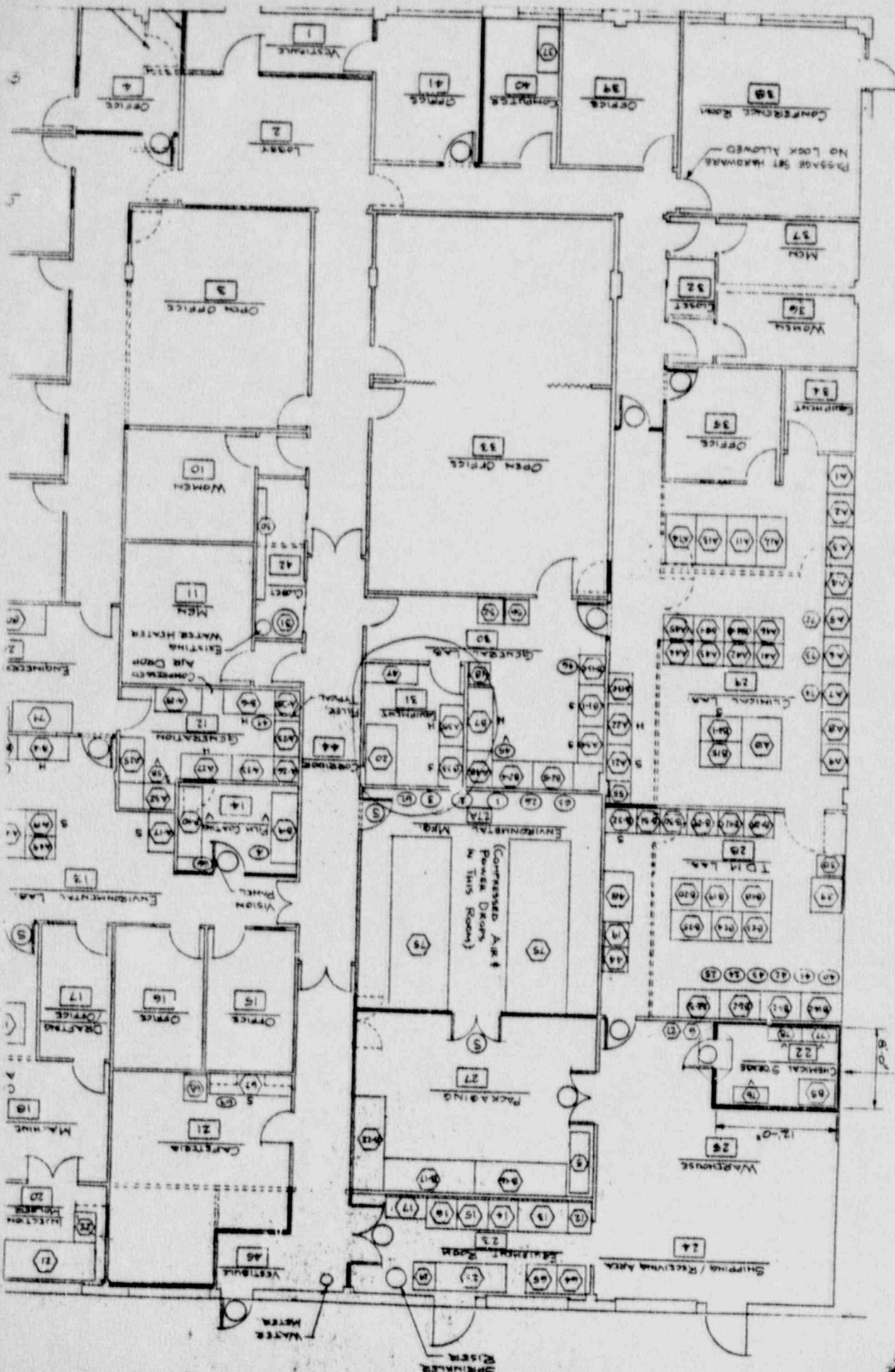
4/26/89
T. Towle



----- Outline of Areas where isotopes were used or stored.
1 - location of samples taken

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BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03620
STATUS CODE: 0
FEE CATEGORY:
EXP. DATE: 19930930
FEE COMMENTS:

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: CRYSTAL DIAGNOSTICS, INC.
RECEIVED DATE: 890501
DOCKET NO: 3030612
CONTROL NO.: 110657
LICENSE NO.: 20-28219-01
ACTION TYPE: AMENDMENT

PLEASE EXPEDITE
for licensee's 5/11 call.

2. FEE ATTACHED

AMOUNT: \$0
CHECK NO.: 7

3. COMMENTS

SIGNED L. J. Brown
DATE 89-05-03

8. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-1)

1. FEE CATEGORY AND AMOUNT: 3M (8/20)

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED W. Brown
DATE 5/11/89