

VOID SHEET

TO: License Fee Management Branch

FROM: RTT

SUBJECT: VOIDED APPLICATION

Control Number: 8.7599

Applicant: Promega Beate

Date Voided: 7/20/89

Reason for Void: Combined with
87614 prior to review

Bill Bidon
Signature
L.D.

7/20/89
Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

90042401B6 890720
REQ3 LIC30
MATLS LICENSING PDR

- ☐ Refund Authorized and processed
- ☒ No Refund Due
- ☐ Fee Exempt or Fee Not Required

Comments: _____

Log completed ☒

Processed by: CA

in 1/4/90

[illegible]

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

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: PROGRAM CODE: 03620
: STATUS CODE: 0
: FEE CATEGORY: 3M
: EXP. DATE: 19930228
: FEE COMMENTS:

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EXP. DATE: 19930228
: FEE COMMENTS:
7/20/89
Voicemail Per Bell
~~Telephone~~ w/ 87619
Combined w/ CP

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: PROMEGA BIOTEC
RECEIVED DATE: 890711
DUCKET NO: 3017974
CONTROL NO.: 387599
LICENSE NO.: 48-20111-01
ACTION TYPE: AMENDMENT

3. COMMENTS

SIGNED _____
DATE _____ 2/12/89

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1 ✓)

1. FEE CATEGORY AND AMOUNT: \$11

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED _____
DATE _____

2

CR

Christopher L. Jones, Ph.D.
Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711-5399

July 5, 1989

U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Log	July 5, 1989
Remitter	Combined 7/20/89
Check No.	377
Amount	W/87614
Fee Category	Prior to
Type	new to
Date Check	PA Billa
Date Completed	
By:	

RE: Closeout Survey for NRC License # 48-20111-01 at 2800 Fish Hatchery Road, Madison WI 53711

Gentlemen:

Enclosed are the results for a closeout radiation survey following decontamination of the radiation labs in active use at Promega Corporation. Survey maps of Promega's areas are enclosed and include a radiation laboratory in our lower production building, radioisotope labs on floors 1 and 3 of our main building, and a radioisotope storage room annexed to the lower production laboratory. Geiger counter and wipe test surveys were performed by Chris Jones respectively using an Eberline E-120 Geiger counter (calibrated January 17, 1989) and a Beckman LS 6800 Scintillation Counter (calibrated May 26, 1989). Action levels for decontamination were set at 0.06 mRem/hour at a 1 cm distance from the area under survey. The highest reading found was 0.04 mRem (see enclosure). Wipe tests were done over an area of 500 square centimeters. The action level for decontamination is 5000 DPM per 500 square centimeters. With a measured efficiency of 52%, the highest DPM found was 1604 DPM per 500 square centimeters.

With the above in mind we would like to request that the radioactive labs at 2800 Fish Hatchery Road be released for

void
CONTROL NO. 87599

Combined w/87614
JUL 11 1989

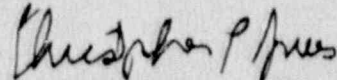
REGION III

JUL 11 1989

unrestricted use and that we may remove all posted radiation signs in these areas. If there are any questions or comments, please do not hesitate to write or call (Phone: (608) 274-4330 extension 1188).

Thank you for your cooperation in these matters.

Very truly yours,


Christopher L. Jones, Ph.D.
Radiation Safety Officer

Enclosures

Detection Systems

Sample Pts

1. Refrigerator Handle

2. Bench Wipe

3. Bench Wipe

4. Bench Wipe

5. Bench Wipe

6. MicroFuge

7. Heat Block #1

8. Heat Block #2

9. Sink

10. Sink/Bench

11. Sink/Bench

12. Bench

13. Bench

14. Water Bath

15. Bench

16. Bench

17. Floor Wipe

18. Floor Wipe

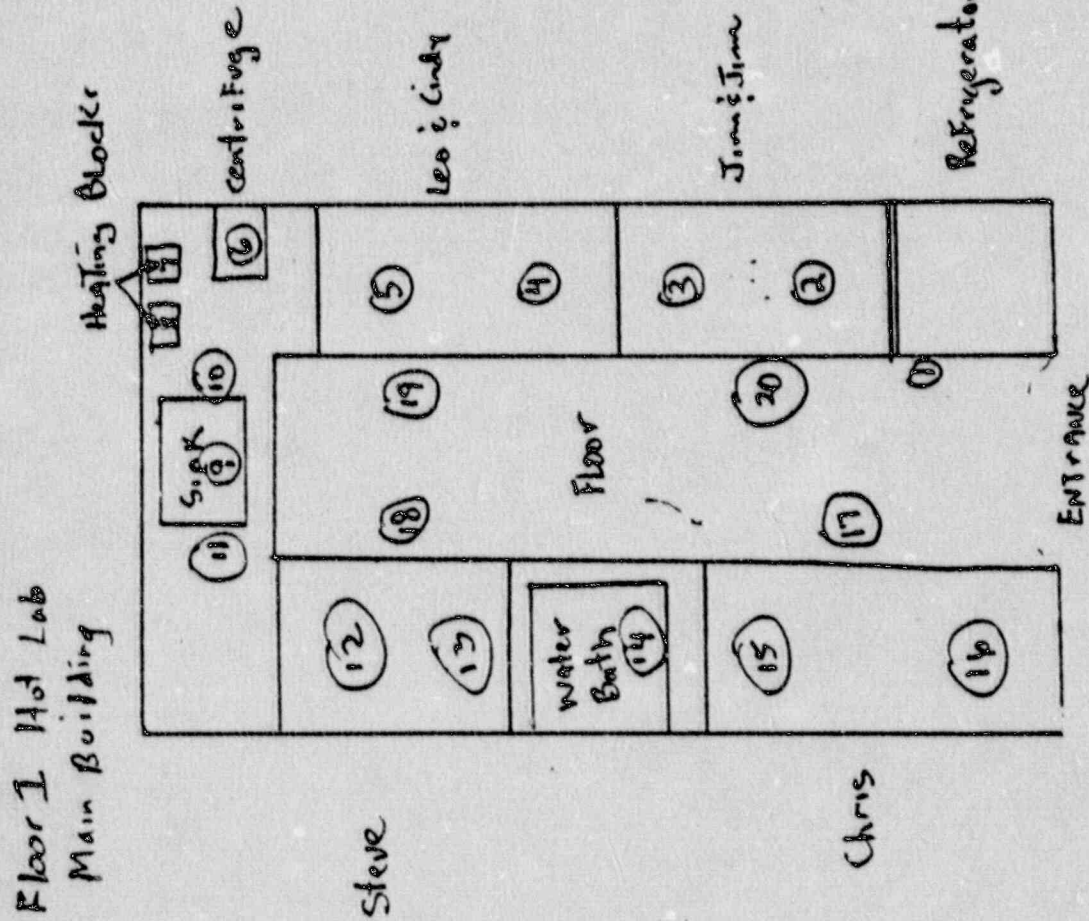
19. Floor Wipe

20. Floor Wipe

CONTROL NO. 8759

RADIOACTIVITY WIPE TEST ROOM Chart

Survey done by: Chris Long
Date: 5/26/89



WINDOWS

Survey done by: Chris Jones
Date: 5/26/89

(27)

(26)

(25)

SINK

R&D 3rd floor Hot Lab Map
Main Building

30

31

(24)

(28)

32

33

34

35

(23)

(60)

(21)

180 degree
reflex / freezer

(22)

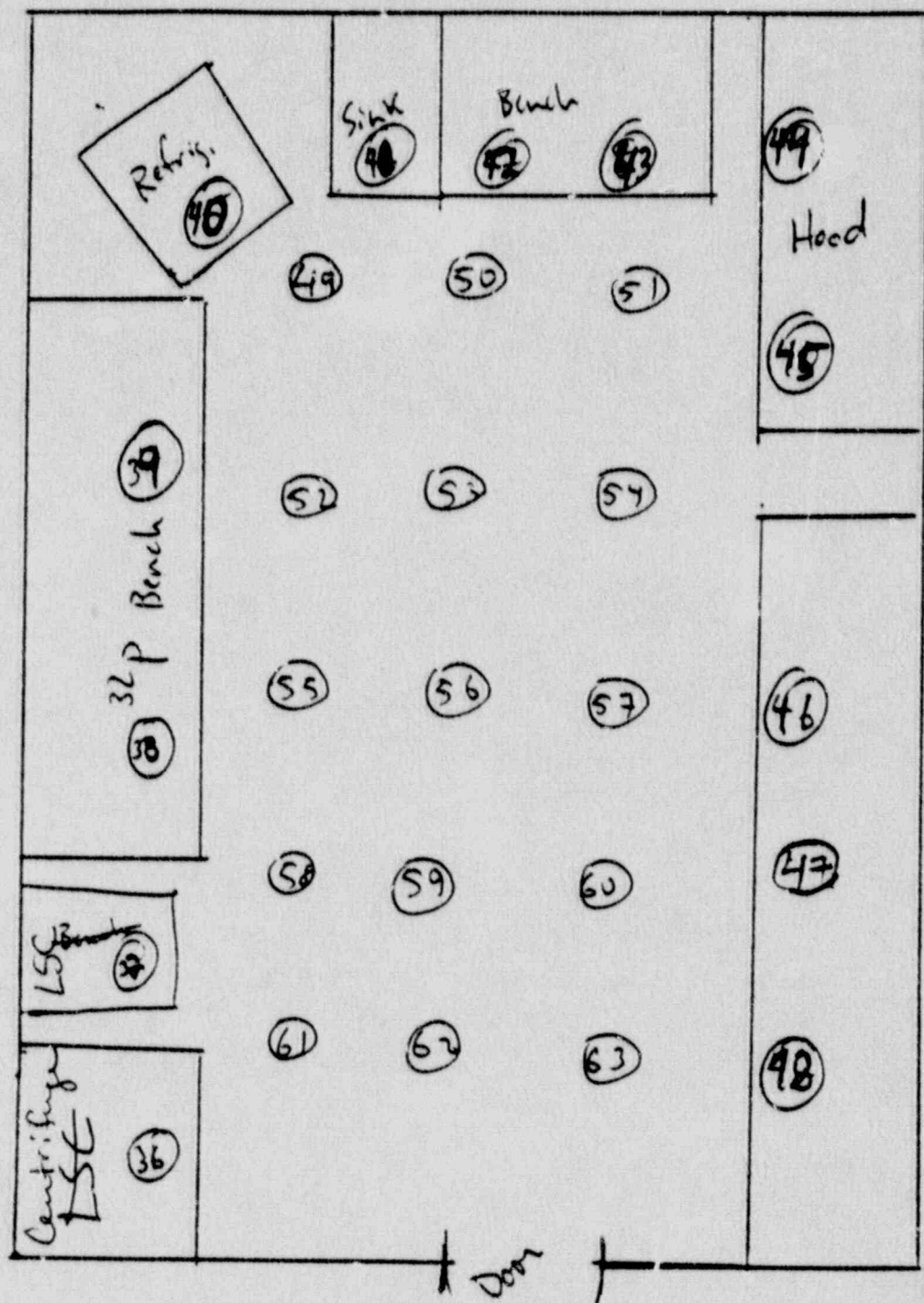
Entrance

CONTROL NO. 8759 9

Radioactive Room Survey - Laboratory B Production Building

Date 5/26/89

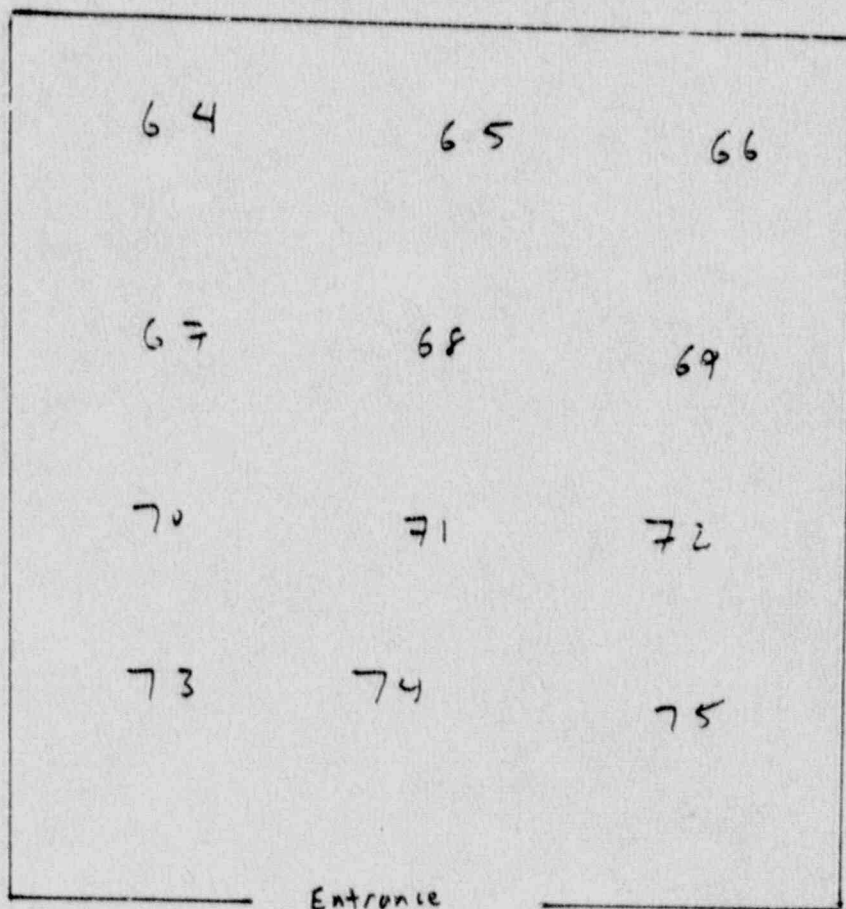
By Chris Jones



Radioactive Waste Storage Room
(Annex to Lower production Lab)

Date: 5/26/89

by: Chris Jones



CONTROL NO. 87599

USER: 1 ID:TEST

PRESET TIME: 0.50

FRI 26 MAY 1989 17:41

SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCRAM RS232:N

CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

CHANNEL 3-LL: 400 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR: 01.00000

HALF LIFE (DAYS): N

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	<u>Area/hr</u>	<u>DPM/500cm²</u>	<u>OPM/100cm²</u>	ERR
1	10	1	426.00	13.70	0.50	0.59	.02	819	164	
		2	468.00	13.07						
		3	44.00	42.64						
2	11	1	172.00	21.57	0.50	1.23	.01	331	66	
		2	184.00	20.05						
		3	12.00	81.65						
3	12	1	294.00	16.00	0.50	1.68	.02	565	113	
		2	308.00	16.12						
		3	14.00	75.59						
4	13	1	638.00	11.00	0.50	2.53	.03	1227	245	
		2	656.00	11.04						
		3	16.00	66.67						
5	14	1	354.00	15.03	0.50	3.16	.04	681	136	
		2	366.00	14.70						
		3	12.00	81.65						
6	15	1	336.00	15.46	0.50	3.82	.01	646	129	
		2	353.00	15.10						
		3	14.00	75.59						
7	16	1	610.00	10.00	0.50	4.46	.02	404	81	
		2	628.00	10.00						
		3	80.00	50.40						
8	17	1	680.00	10.01	0.50	5.11	.04	435	87	
		2	690.00	10.00						
		3	24.00	57.74						
9	18	1	300.00	16.00	0.50	5.76	.02	577	115	
		2	310.00	16.00						
		3	10.00	89.44						
10	19	1	250.00	19.00	0.50	6.40	.03	388	78	
		2	260.00	18.00						
		3	10.00	90.00						
11	20	1	170.00	21.00	0.50	7.03	.03	342	68	
		2	190.00	20.00						
		3	10.00	90.00						
12	21	1	230.00	17.00	0.50	7.68	.02	481	96	
		2	270.00	17.01						
		3	10.00	90.00						
13	22	1	304.00	16.00	0.50	8.32	.01	585	117	
		2	310.00	15.00						
		3	10.00	90.00						
14	23	1	410.00	10.00	0.50	8.97	.01	804	161	
		2	420.00	10.00						
		3	14.00	75.59						
15	24	1	360.00	14.74	0.50	9.61	.03	708	142	
		2	390.00	14.09						
		3	24.00	57.74						
16	25	1	300.00	14.00	0.50	10.26	.01	746	149	
		2	400.00	14.00						
		3	20.00	60.00						
17	26	1	220.00	18.70	0.50	10.90	.01	438	88	
		2	244.00	18.11						
		3	16.00	75.71						

CONTROL NO. 87599

SAM FOS CH			CFM	2SIG	TIME	EL TIME	PPM/500 cm ²	PPM/100 cm ²	ERR
18	27	1	250.00	17.89	0.50	11.55	.02	481	96
		2	268.00	17.28					
		3	18.00	66.67					
19	28	1	274.00	17.09	0.50	12.22	.01	527	105
		2	298.00	16.38					
		3	24.00	57.74					
20	29	1	312.00	16.01	0.50	12.86	.02	600	120
		2	338.00	15.57					
		3	18.00	66.67					
21	30	1	250.00	17.89	0.50	13.51	.04	481	96
		2	266.00	17.04					
		3	18.00	70.71					
22	31	1	306.00	16.17	0.50	14.15	.03	588	118
		2	316.00	15.91					
		3	18.00	89.44					
23	32	1	664.00	10.81	0.50	14.81	.02	1315	263
		2	704.00	10.00					
		3	22.00	60.00					
24	33	1	634.00	10.89	0.50	15.45	.01	450	90
		2	644.00	10.41					
		3	18.00	89.44					
25	34	1	446.00	10.09	0.50	16.10	.01	858	172
		2	454.00	10.07					
		3	8.00	***					
26	35	1	346.00	15.21	0.50	16.74	.02	665	133
		2	366.00	14.70					
		3	28.00	60.00					
27	36	1	222.00	10.90	0.50	17.38	.03	427	85
		2	242.00	10.10					
		3	28.00	60.00					
28	37	1	248.00	17.36	0.50	18.03	.03	477	95
		2	264.00	17.41					
		3	16.00	70.71					
29	38	1	322.00	15.76	0.50	18.68	.02	619	124
		2	342.00	15.09					
		3	28.00	60.00					
30	39	1	332.00	15.50	0.50	19.32	.01	638	128
		2	350.00	15.10					
		3	18.00	66.67					
31	40	1	350.00	15.12	0.50	19.97	.01	673	135
		2	364.00	14.82					
		3	14.00	70.00					
32	41	1	556.00	12.00	0.50	20.62	.01	1069	214
		2	568.00	11.87					
		3	12.00	81.67					
33	42	1	480.00	12.00	0.50	21.27	.02	923	185
		2	500.00	12.65					
		3	20.00	60.00					
34	4	1	526.00	12.00	0.50	21.92	.03	1011	202
		2	546.00	12.10					
		3	20.00	60.00					
35	44	1	412.00	10.90	0.50	22.57	.02	792	158
		2	440.00	10.40					
		3	28.00	60.00					
36	45	1	350.00	14.00	0.50	23.22	.03	688	138
		2	370.00	14.00					
		3	20.00	60.00					
37	46	1	432.00	10.61	0.50	23.87	.04	831	166
		2	454.00	10.27					
		3	22.00	60.00					

SAM	POS	CH	CFM	2SIG%	TIME	EL TIME		DPM/500m ²	DPM/100m ²	ERR
38	47	1	414.00	13.90	0.50	24.52	.02	796	159	
		2	432.00	13.61						
		3	18.00	66.67						
39	48	1	560.00	11.95	0.50	25.19	.02	1077	215	
		2	576.00	11.79						
		3	16.00	70.71						
40	49	1	450.00	13.22	0.50	25.84	.01	881	176	
		2	470.00	13.05						
		3	12.00	81.65						
41	50	1	500.00	12.63	0.50	26.49	0	961	192	
		2	516.00	12.45						
		3	16.00	70.71						
42	51	1	490.00	12.78	0.50	27.15	.02	942	188	
		2	514.00	12.48						
		3	24.00	57.74						
43	52	1	496.00	12.70	0.50	27.80	.02	954	191	
		2	514.00	12.48						
		3	16.00	66.67						
44	53	1	540.00	12.15	0.50	28.45	.03	1042	208	
		2	564.00	11.91						
		3	10.00	60.00						
45	54	1	610.00	10.96	0.50	29.10	.05	1304	261	
		2	636.00	10.70						
		3	14.00	75.59						
46	55	1	464.00	13.13	0.50	29.75	.04	892	178	
		2	480.00	12.91						
		3	10.00	70.71						
47	56	1	410.00	13.83	0.50	30.40	.01	804	161	
		2	444.00	13.42						
		3	26.00	55.47						
48	57	1	360.00	14.74	0.50	31.05	.02	708	142	
		2	386.00	14.47						
		3	14.00	75.59						
49	58	1	468.00	13.07	0.50	31.69	.04	900	180	
		2	480.00	12.91						
		3	12.00	81.65						
50	59	1	76.00	32.44	0.50	32.33	.01	116	29	
		2	86.00	30.50						
		3	10.00	69.44						
51	60	1	550.00	12.00	0.50	32.99	.04	1109	214	
		2	572.00	11.83						
		3	16.00	70.71						
52	61	1	560.00	11.95	0.50	33.64	.02	1076	215	
		2	578.00	11.76						
		3	18.00	66.67						
53	62	1	550.00	12.06	0.50	34.29	.02	1058	212	
		2	566.00	11.89						
		3	16.00	70.71						
54	63	1	470.00	12.96	0.50	34.94	.03	915	183	
		2	490.00	12.78						
		3	14.00	75.59						
55	64	1	480.00	14.14	0.50	35.59	.04	769	154	
		2	486.00	13.70						
		3	26.00	55.47						
56	65	1	534.00	12.24	0.50	36.24	.02	1027	205	
		2	544.00	12.13						
		3	10.00	69.44						
57	66	1	760.00	10.25	0.50	36.89	.04	1465	293	
		2	774.00	10.17						
		3	12.00	81.65						

SAM	POS	CH	CFM	2SIG%	TIME	EL TIME	PPM/1000 ²	PPM/1000 ²	ERR
58	67	1	656.00	11.04	0.50	37.56	.01	1262	252.8
		2	674.00	10.89					
		3	18.00	66.67					
59	68	1	634.00	11.83	0.50	38.23	.01	1219	244
		2	650.00	11.09					
		3	16.00	70.71					
60	69	1	564.00	11.91	0.50	38.88	.02	1085	217
		2	582.00	11.73					
		3	16.00	66.67					
61	70	1	482.00	12.00	0.50	39.53	.01	927	185
		2	500.00	12.00					
		3	18.00	66.67					
62	71	1	600.00	11.08	0.50	40.19	.01	1254	251
		2	617.00	10.94					
		3	16.00	70.71					
63	72	1	606.00	11.49	0.50	40.84	.02	1165	233
		2	618.00	11.30					
		3	18.00	81.05					
64	73	1	606.00	11.09	0.50	41.50	.01	1250	250
		2	626.00	10.96					
		3	16.00	70.71					
65	74	1	582.00	11.62	0.50	42.16	.02	1081	216
		2	616.00	11.46					
		3	24.00	57.74					
66	75	1	504.00	12.00	0.50	42.81	.02	969	194
		2	510.00	12.50					
		3	0.00	*****					
67	76	1	420.00	13.00	0.50	43.46	.01	828	162
		2	434.00	13.00					
		3	14.00	75.59					
68	77	1	500.00	12.40	0.50	44.11	.01	1000	200
		2	530.00	12.20					
		3	10.00	89.44					
69	78	1	426.00	13.73	0.50	44.76	.03	819	164
		2	446.00	13.29					
		3	20.00	60.00					
70	79	1	494.00	12.70	0.50	45.41	.04	950	190
		2	510.00	12.52					
		3	16.00	70.71					
71	80	1	460.00	13.19	0.50	46.06	.04	865	177
		2	460.00	13.07					
		3	0.00	*****					
72	81	1	410.00	13.67	0.50	46.71	.03	800	160
		2	420.00	13.67					
		3	10.00	81.05					
73	82	1	462.00	13.16	0.50	47.36	.03	888	178
		2	480.00	12.91					
		3	18.00	66.67					
74	83	1	572.00	11.83	0.50	48.01	.01	1100	220
		2	594.00	11.61					
		3	22.00	60.00					
75	84	1	600.00	14.26	0.50	48.66	.02	746	149
		2	606.00	14.21					
		3	0.00	*****					
76	85	1	496.00	12.70	0.50	49.31	.01	Drain trap 954	lower production sub B 191
		2	514.00	12.48					
		3	20.00	63.25					
77	86	1	634.00	9.79	0.50	49.97	.03	Drain trap near Bldg floor 3 1604	321
		2	640.00	9.71					
		3	14.00	75.59					

DPM/500cm²

DPM/100cm² PAGE: 5

ERR

SPM	POS	CH	CPM	2SIG%	TIME	EL TIME
78	67	1	624.00	11.32	0.50	50.63
		2	650.00	11.89		
		3	36.00	55.47		
79	68	1	590.00	11.64	0.50	51.31
		2	604.00	11.91		
		3	14.00	75.59		
80	69	1	700.00	10.47	0.50	51.96
		2	704.00	10.44		
		3	4.00	*****		

.01 Droptop mon Bldg floor I
1200 240

.02 Background I
1185 273

.03 Background 2
1409 281