

CERTIFICATE OF DISPOSITION OF MATERIALS

(All items MUST be completed, please print)

LICENSEE NAME AND ADDRESS

EDLOW INTERNATIONAL COMPANY
1815 H Street, N.W.
Suite 910
Washington, D.C. 20006

LICENSE NUMBER

SMC - 1377

LICENSE EXPIRATION DATE

September 30, 1985

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT: (Check and/or complete the appropriate item(s) below.)

A. MATERIALS DATA (Check one and complete, as necessary)

1. NO MATERIALS HAVE EVER BEEN POSSESSED OR PROCURED BY THE LICENSEE UNDER THIS LICENSE.
- OR
2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE

TO

WHICH HAS NRC LICENSE NUMBER

OR

3. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE

TO

August 20, 1985

NUCLEAR TRANSPORT AND STORAGE, INC., PADUCAH, KY

WHICH HAS LICENSE NUMBER

ISSUED BY THE STATE OF

SMA 013-91

KENTUCKY

AN AGREEMENT STATE PURSUANT TO SECTION 274 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED, AND THE ENERGY REORGANIZATION ACT OF 1974.

OR

4. MATERIALS HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (Describe specific disposal procedures--if additional space is needed, use the reverse of this form, or provide attachments)

B. OTHER DATA

1. OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT.
2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)
- NO
- YES, THE RESULTS (Check one)
- ARE ATTACHED, OR
- WERE FORWARDED TO NRC ON (Date)

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

Dr. Robert A. Rich/Edlow International Co.

TELEPHONE NUMBER

(202) 833-8237

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Robert A. Rich - Edlow International Co.

1815 H Street, N.W., Suite 910, Washington, D.C. 20006

RETURN TO:

DIRECTOR, DIVISION OF FUEL CYCLE AND MATERIAL SAFETY
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20545

CERTIFYING OFFICIAL

SIGNATURE

Robert Rich (signature)

DATE

8/23/85

PRINTED NAME AND TITLE

Robert A. Rich
Executive Vice President

8510310383 XA

CONTROL NO. 79682

Eberline



CERTIFICATION OF CALIBRATION

Instrument E-120/HP270

Serial No 7703/601891

Type of Source Eberline MP-1 S/N 410
Cs-137 S/N 123
Cs-137 S/N 120

Range	Calibration Point	Reading
X10 @ 40 mR/hr	40 mR/hr	40 mR/hr
X1 @ 4 mR/hr	4 mR/hr	4 mR/hr
X10 @ 10 mR/hr	10 mR/hr ± 10%	11 mR/hr
X1 @ 1 mR/hr	1 mR/hr ± 10%	1.1 mR/hr
X1 @ 4K cpm	(note reading)	3.5 mR/hr
X0.1 @ 400 cpm	1/10th of noted reading	.35 mR/hr
X0.1 @ 100 cpm	1/40th of noted reading ± 10%	.08 mR/hr

Calibration sources used have calibration traceable to the National Bureau of Standards.

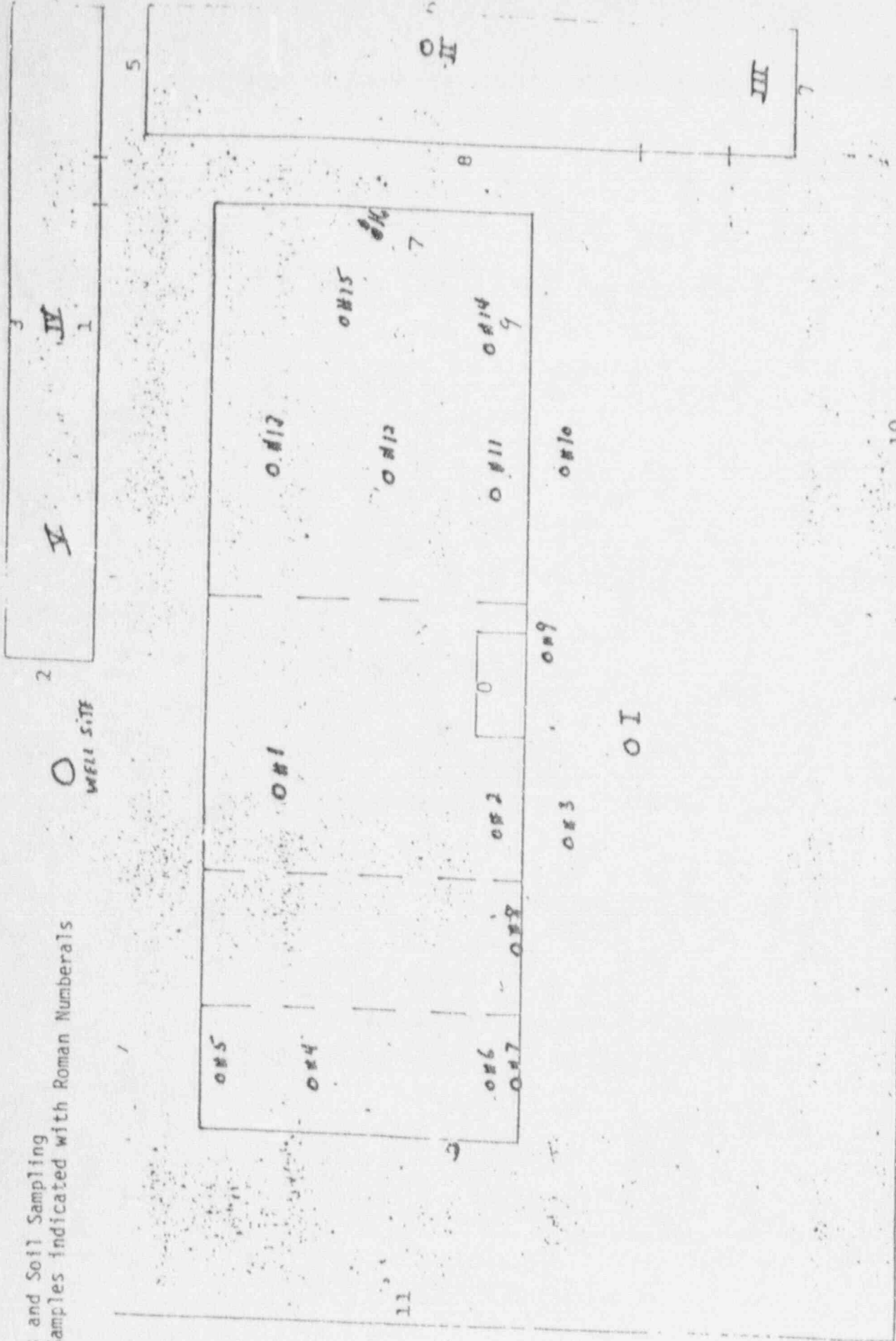
Date 8-6-85 Signature Jarshan Khalsa

No. 25969 B

ATTACHMENT B

Swipes and Soil Sampling
Soil Samples indicated with Roman Numerals

12

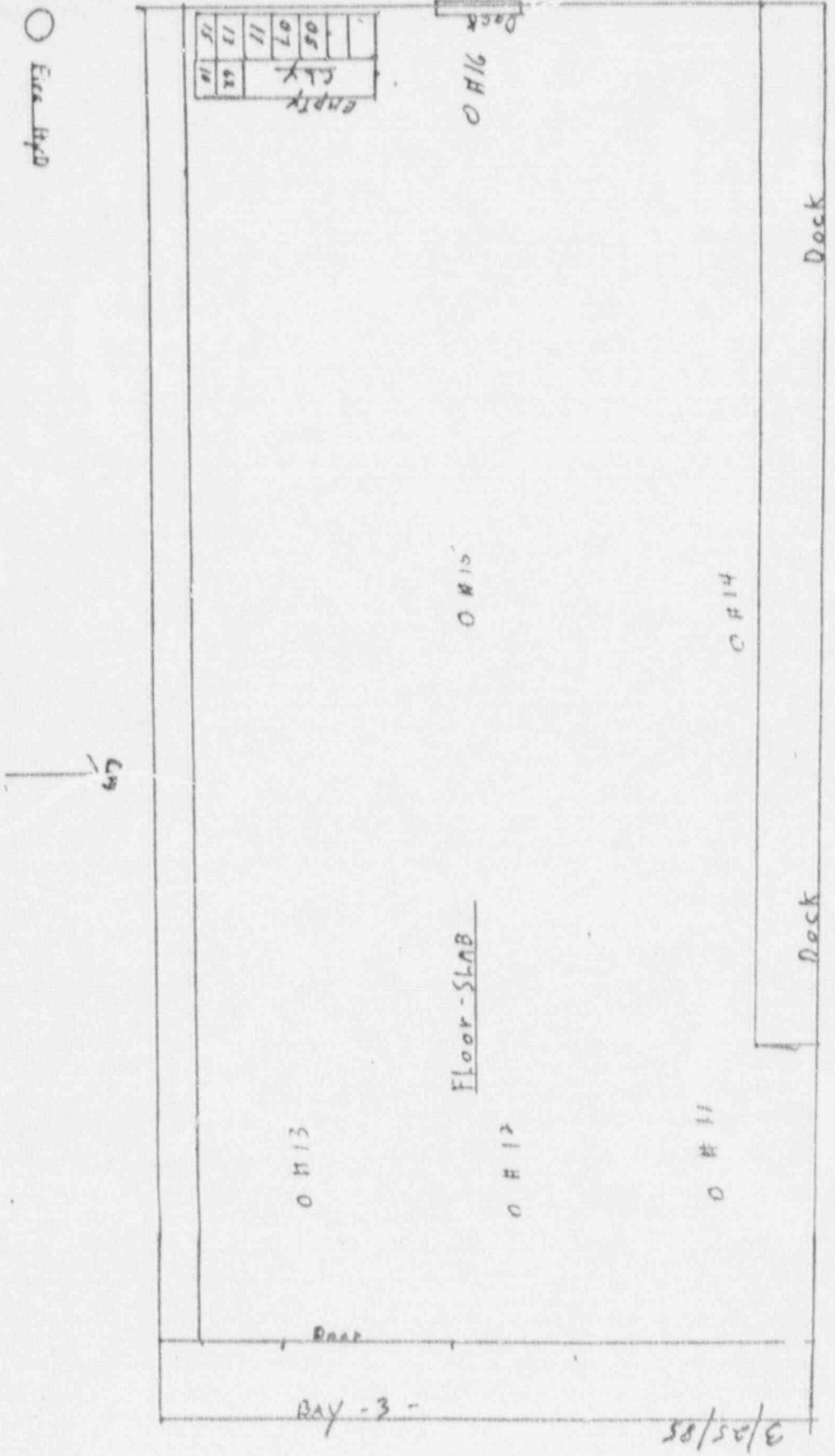


REV. 6/84

St. Clair Avenue

ATTACHMENT C

Swipe Sample Locations of Fire Damaged Area



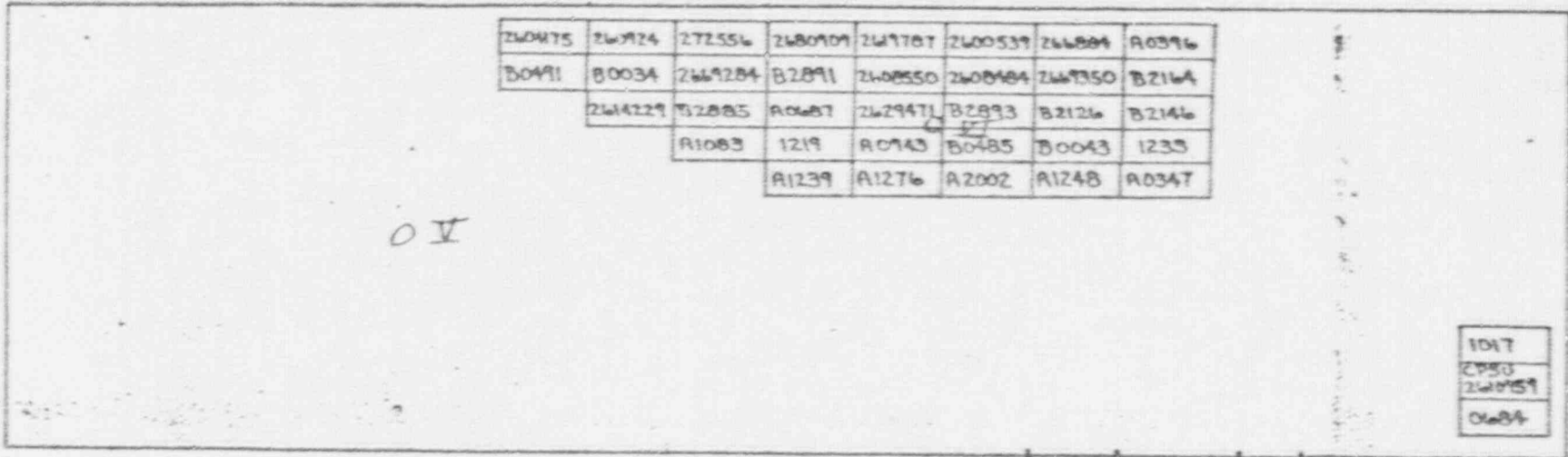
ATTACHMENT D

Northeast Storage Area- Locations of Material
Before Removal and Soil Samples



NORTHEAST OUTSIDE
STORAGE AREA

SCALE: 1 in. = 30 ft.



OV

1017
2750
26959
0684

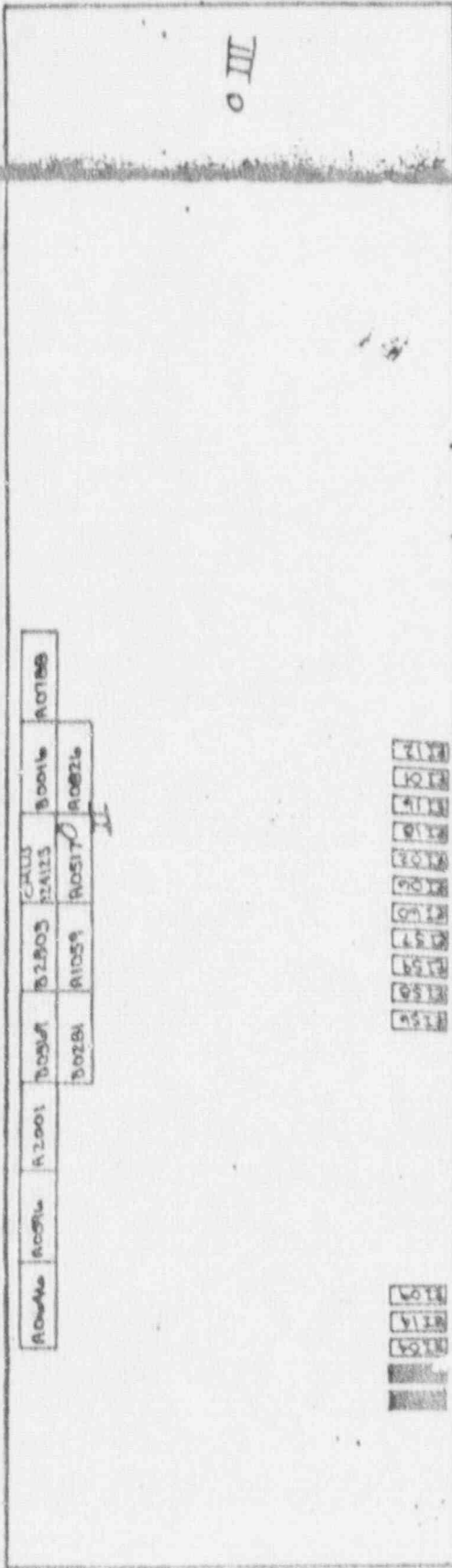
ATTACHMENT E

Southeast Storage Area with Location of Material
Before Removal and Soil Samples

SCALE: 1 in. = 30 ft

SOUTHEAST STORAGE AREA

SOUTH EAST STORAGE AREA



10001	10002	10003	10004	10005	10006	10007	10008	10009	10010	10011	10012	10013	10014	10015	10016	10017	10018	10019	10020	10021	10022	10023	10024	10025	10026	10027	10028	10029	10030	10031	10032	10033	10034	10035	10036	10037	10038	10039	10040	10041	10042	10043	10044	10045	10046	10047	10048	10049	10050	10051	10052	10053	10054	10055	10056	10057	10058	10059	10060	10061	10062	10063	10064	10065	10066	10067	10068	10069	10070	10071	10072	10073	10074	10075	10076	10077	10078	10079	10080	10081	10082	10083	10084	10085	10086	10087	10088	10089	10090	10091	10092	10093	10094	10095	10096	10097	10098	10099	10100
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10101	10102	10103	10104	10105	10106	10107	10108	10109	10110	10111	10112	10113	10114	10115	10116	10117	10118	10119	10120	10121	10122	10123	10124	10125	10126	10127	10128	10129	10130	10131	10132	10133	10134	10135	10136	10137	10138	10139	10140	10141	10142	10143	10144	10145	10146	10147	10148	10149	10150	10151	10152	10153	10154	10155	10156	10157	10158	10159	10160	10161	10162	10163	10164	10165	10166	10167	10168	10169	10170	10171	10172	10173	10174	10175	10176	10177	10178	10179	10180	10181	10182	10183	10184	10185	10186	10187	10188	10189	10190	10191	10192	10193	10194	10195	10196	10197	10198	10199	10200
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10201	10202	10203	10204	10205	10206	10207	10208	10209	10210	10211	10212	10213	10214	10215	10216	10217	10218	10219	10220	10221	10222	10223	10224	10225	10226	10227	10228	10229	10230	10231	10232	10233	10234	10235	10236	10237	10238	10239	10240	10241	10242	10243	10244	10245	10246	10247	10248	10249	10250	10251	10252	10253	10254	10255	10256	10257	10258	10259	10260	10261	10262	10263	10264	10265	10266	10267	10268	10269	10270	10271	10272	10273	10274	10275	10276	10277	10278	10279	10280	10281	10282	10283	10284	10285	10286	10287	10288	10289	10290	10291	10292	10293	10294	10295	10296	10297	10298	10299	10300
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III

II

LABORATORY ANALYSIS REPORT

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*****
DATE:          09/03/85 22:12:09
TITLE:         EDLOW INTERNATIONAL, EAST ST. LOUIS FACILITY
INSTRUMENT:    CANBERRA/TRS-80 ALPHA/BETA ANALYSIS SYSTEM
SAMPLES FROM:  EDLOW INTL., EAST ST. LOUIS FACILITY
SAMPLE TYPE:   SMEAR SAMPLES
COLLECTED BY:  D. R. GIBBONS
COLLECTED ON:  8/29/85
    
```

ERRORS ARE AT THE 95% (2 SIGMA) CONFIDENCE LEVEL

```

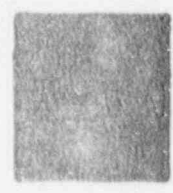
*****
                LIVE    ACTIVITY    COUNTS    COUNTS
                TIME(MIN) (DPM)      ALPHA     BETA
BACKGROUND :   20
ALPHA SOURCE:  19.6205   8740      45546     4938
BETA SOURCE:   19.9679   25787     3851      145945
                EFFICIENCY+/-ERROR %ATTEN
    
```

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                ALPHA     BETA
LC: CRITICAL LEVEL (DPM)  .886885  1.88196
LD: DETECTION LIMIT (DPM) 2.2369   4.23243
LOSS DUE TO CROSSTALK     .0977673 .0255663
    
```

ALPHA				BETA					
COUNTS	DPM	ERROR	uCi/UNIT	ERROR	COUNTS	DPM	ERROR	uCi/UNIT	ERROR
-----*									
SAMPLE=85-370 DESCRIPTION: <i>SAMPLE #1</i>									
POS. = 4 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
2.1K		1.0	< 4.46E-09	*	17.1K		1.9	< 8.74E-09	
-----*									
SAMPLE=85-371 DESCRIPTION: <i>SAMPLE #2</i>									
POS. = 5 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
3.1K		1.0	< 4.45E-09	*	18.1K		1.9	< 8.74E-09	
-----*									
SAMPLE=85-372 DESCRIPTION: <i>SAMPLE #3</i>									
POS. = 6 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
2.1K		1.0	< 4.47E-09	*	13.1K		1.9	< 8.74E-09	
-----*									
SAMPLE=85-373 DESCRIPTION: <i>SAMPLE #4</i>									
POS. = 7 LIVE TIME(MIN)= 19.9999 VOLUME= 100 - CM 2									
9.1K		1.8	< 8.32E-09	*	17.1K		1.9	< 8.75E-09	
-----*									
SAMPLE=85-374 DESCRIPTION: <i>SAMPLE #5</i>									
POS. = 8 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
6.1K		1.2	< 5.43E-09	*	18.1K		1.9	< 8.75E-09	
-----*									
SAMPLE=85-375 DESCRIPTION: <i>SAMPLE #6</i>									
POS. = 9 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
4.1K		1.0	< 4.45E-09	*	18.1K		1.9	< 8.74E-09	
-----*									
SAMPLE=85-376 DESCRIPTION: <i>SAMPLE #7</i>									
POS. = 10 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
0.1K		1.0	< 4.45E-09	*	18.1K		1.9	< 8.73E-09	
-----*									
SAMPLE=85-377 DESCRIPTION: <i>SAMPLE #8</i>									
POS. = 11 LIVE TIME(MIN)= 20 VOLUME= 100 - CM 2									
3.1K		1.0	< 4.47E-09	*	13.1K		1.9	< 8.74E-09	
-----*									
SAMPLE=85-378 DESCRIPTION: <i>SAMPLE #9</i>									

SAMPLE=85-378	DESCRIPTION: <i>SAMPLE #9</i>
POS. = 12	LIVE TIME (MIN) = 20
0.1K 1.0	VOLUME = 100 - CM 2
1K 4.45E-09	* 19.1K 1.9 1K 8.73E-09
SAMPLE=85-379	DESCRIPTION: <i>SAMPLE #10</i>
POS. = 13	LIVE TIME (MIN) = 20
0.1K 1.0	VOLUME = 100 - CM 2
1K 4.47E-09	* 12.1K 1.9 1K 8.73E-09
SAMPLE=85-380	DESCRIPTION: <i>SAMPLE #11</i>
POS. = 14	LIVE TIME (MIN) = 20
3.1K 1.0	VOLUME = 100 - CM 2
1K 4.47E-09	* 13.1K 1.9 1K 8.74E-09
SAMPLE=85-381	DESCRIPTION: <i>SAMPLE #12</i>
POS. = 15	LIVE TIME (MIN) = 20
2.1K 1.0	VOLUME = 100 - CM 2
1K 4.45E-09	* 22.1K 1.9 1K 8.74E-09
SAMPLE=85-382	DESCRIPTION: <i>SAMPLE #13</i>
POS. = 16	LIVE TIME (MIN) = 20
3.1K 1.0	VOLUME = 100 - CM 2
1K 4.47E-09	* 13.1K 1.9 1K 8.74E-09
SAMPLE=85-383	DESCRIPTION: <i>SAMPLE #14</i>
POS. = 17	LIVE TIME (MIN) = 20
3.1K 1.0	VOLUME = 100 - CM 2
1K 4.45E-09	* 18.1K 1.9 1K 8.74E-09
SAMPLE=85-384	DESCRIPTION: <i>SAMPLE #15</i>
POS. = 18	LIVE TIME (MIN) = 20
4.1K 1.0	VOLUME = 100 - CM 2
1K 4.46E-09	* 16.1K 1.9 1K 8.74E-09
SAMPLE=85-385	DESCRIPTION: <i>SAMPLE #16</i>
POS. = 19	LIVE TIME (MIN) = 20
3.1K 1.0	VOLUME = 100 - CM 2
1K 4.48E-09	* 10.1K 1.9 1K 8.74E-09



START TIME: 09/03/85 15:23:55
 TITLE: EDLOW INTERNATIONAL, EAST ST. LOUIS FACILITY

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*****
SAMPLE  SAMPLE  LIVE  ALPHA  BETA  DATE  TIME  CYCLE  AC
POSITION ID.  TIME (MIN)
1  FU-239  19.6205  45546  4938  09/03/85  15:48:06  1  YN
2  BKGND  20  5  22  09/03/85  16:09:27  1  YN
3  CS-137  19.9679  3851  145945  09/03/85  16:30:48  1  YN
4  85-370  20  2  17  09/03/85  16:52:08  1  YN
5  85-371  20  3  18  09/03/85  17:13:31  1  YN
6  85-372  20  2  13  09/03/85  17:34:46  1  YN
7  85-373  19.9999  9  17  09/03/85  17:56:05  1  YN
8  85-374  20  6  18  09/03/85  18:17:24  1  YN
9  85-375  20  4  18  09/03/85  18:38:43  1  YN
10  85-376  20  0  18  09/03/85  19:00:02  1  YN
11  85-377  20  3  13  09/03/85  19:21:21  1  YN
12  85-378  20  0  19  09/03/85  19:42:40  1  YN
13  85-379  20  0  12  09/03/85  20:03:59  1  YN
14  85-380  20  3  13  09/03/85  20:25:18  1  YN
15  85-381  20  2  22  09/03/85  20:46:36  1  YN
16  85-382  20  3  13  09/03/85  21:07:55  1  YN
17  85-383  20  3  18  09/03/85  21:29:13  1  YN
18  85-384  20  4  16  09/03/85  21:50:31  1  YN
19  85-385  20  3  10  09/03/85  22:11:50  1  YN
*****
  
```

END TIME: 09/03/85 22:11:53

USNRC REGION III LABORATORY ANALYSIS REQUEST FORM

SAMPLES FROM: FDLOW INTERNATIONAL EAST ST. LOUIS FACILITY
 COLLECTED BY: D. R. GIBBONS CATEGORY CODE: F-3
 DOCKET NO.: 01008760 REPORT NO.: 85001
 DATE SUBMITTED: SEPT 3, 1985 RESULTS REQUIRED BY: ASAP
 ANALYZED BY: _____ ANALYSIS COMPLETED: _____
 MINIMUM LEVELS OF INTEREST: _____

1X10⁻⁷ MICROCURIES / 100 CM²

COMMENTS: ENTERED IN U-238 AND U-235

	SAMPLE DATE TIME	SAMPLE DESCRIPTION	LAB ID.	ANALYZE FOR
①	8-29-85 3:30AM	FLOOR IN MIDDLE WAREHOUSE - NORTH AREA	85-370	
②		FLOOR - MIDDLE WAREHOUSE SOUTH AREA	85-371	
③		OUTSIDE OF MIDDLE WAREHOUSE	85-372	
④		NORTH END OF WEST WAREHOUSE - MIDDLE - HALL	85-373	
⑤		NORTH END OF WEST WAREHOUSE	85-374	
⑥		SOUTH END OF WEST WAREHOUSE	85-375	
⑦		WALL AT SOUTH END OF WEST WAREHOUSE	85-376	
⑧		WALL AT SOUTH EAST AREA OF WEST WAREHOUSE	85-377	
		NORTHWEST CORNER OF FLOOR OF WEST WAREHOUSE - MIDDLE AREA		
⑨		LOADING DOCK OUTSIDE OF MIDDLE WAREHOUSE	85-378	
⑩		WALL OUTSIDE OF OFFICE	85-379	
⑪		SOUTHWEST AREA FLOOR OF BURNED WAREHOUSE	85-380	
⑫		SOUTH WEST CENTER FLOOR OF BURNED WAREHOUSE	85-381	
⑬		NORTH WEST FLOOR OF BURNED WAREHOUSE	85-382	
⑭		FLOOR - SOUTH EAST AREA OF BURNED WAREHOUSE	85-383	

ATTACHMENT G.

RESL No.	R-III No.	
13719A	85-386	2I 2; 2 E-10 wei/ml
13719B	85-387	5.4 \pm 0.6; 0.6 E-09 wei/ml.

REF - No.	R-III No.	ATTACHMENT H
13718 C	85-388	U-235 $6 \pm 2; 2$ E-08 $\mu\text{Ci/g}$ Pa-234M $3 \pm 2; 2$ E-06
13718 D	85-389	U-235 $2.8 \pm 1.5; 1.5$ E-06 Pa-234M $9 \pm 2; 2$ E-08
13718 E	85-390	U-235 $1.3 \pm 0.2; 0.2$ E-07 Pa-234M $5 \pm 2; 2$ E-06
13718 F	85-391	U-235 $6 \pm 2; 2$ E-08 $0 \pm 2; 2$ E-06
13718 G	85-392	U-235 $2.1 \pm 0.3; 0.3$ E-07 Pa-234M $8 \pm 3; 3$ E-06