Revised 01/05

CORRES. CONTROL
INCOMING LTR NO.

00172 RF05

DUE DATE

ACTION

RECEIVED

2005 APR -4 A 8:30

CORRESPONDENCE CONTROL

Department of Energy

ROCKY FLATS PROJECT OFFICE
10808 HIGHWAY 93, UNIT A
GOLDEN, COLORADO 80403-8200

MAR 2 4 2005

05-DOE-00173

DIST.	LTR	ENC
BERARDINI, J.H.	X	X
BOGNAR, E.S.	X	X
BROOKS, L.	X	X
CARPENTER, M.	X	X
CIUCCI, J.A.		
CROCKETT, G. A.		
DECK, C. A.	X	X
DEGENHART, K. R.	X	X
DEL VECCHIO, D.		
~~DIETER, T. J.~~		
FERRERA, D. W.	X	X
GIACOMINI, J. J.		
GILPIN, H.		
LINDSAY, D. C.	X	X
LONG, J. W.		
MARTINEZ, L. A.	X	X
NAGEL, R. E.	X	X
NESTA, S.		
~~NORTH, K.~~		
SHELTON, D. C.	X	X
SPEARS, M. S.	X	X
TUOR, N. R.	X	X
WIEMELT, K.	X	X
WILLIAMS, J. L.		
ZAHM, C.	X	X
Ward, D	X	X
Brown, M	X	X
Gilbreath, C	X	X
Leitner, R	X	X
Bury, R.	X	X
Brittney, J	X	X
COR. CONTROL	X	X
ADMIN. RECORD	X	X
PATS		

Reviewed for Addressee
Corres. Control RFP

4/4/05 L.
Date By

Ref. Ltr. #

DOE ORDER #
5400.1

Mr. Steven H. Gunderson
Rocky Flats Cleanup Agreement Project Coordinator
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Dear Mr. Gunderson:

The purpose of this letter is to transmit for your review and approval the Decommissioning Operations Plan (DOP) surveys for the Building 371 sub-basement. The Rocky Flats Project Office (RFPO) has reviewed the DOP surveys and has determined that the Building 371 sub-basement can be released for applicable wall and ceiling removals, backfill preparation, and backfill.

In addition, RFPO contracted with the Oak Ridge Institute for Science and Education (ORISE) to do an Independent Verification and Validation (IVV) of the Building 371 sub-basement. The surveys accomplished during the ORISE IVV verified that the Building 371 sub-basement meets the DOP requirements of less than 100 nCi/g for surface measurements and less than 7 nCi/g averaged over the first 7 inches of the floors and walls. Only one hot spot was discovered that required remediation. The formal report for the ORISE IVV will be transmitted to the Colorado Department of Public Health and Environment upon receipt by RFPO.

Your support to accomplish the closure and removal of Building 371 in a safe and timely manner is greatly appreciated.

Please feel free to direct any questions to Warren Seyfert at (303) 966-5925.

Sincerely,

Joseph A. Legare, Director
RFPO Project Management

Enclosure

ADMIN RECORD

cc w/Encl.:
S. Garcia, USEPA

cc w/o Encl.:
W. Seyfert, RFPM, RFPO
B. Wallin, RFPM, RFPO
M. Aguilar, USEPA
D. Onyskiw, CDPHE
D. Kruchek, CDPHE
T. Dieter, K-H
M. Brown, K-H
C. Gilbreath, K-H
R. Leitner, K-H
D. Shelton, K-H
R. Kury, ALPHA
J. Britten, OMEGA
Administrative Record

RECEIVED
APR - 5 2005

Survey Area: E	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 3 Bias		Nbr of measurements: 371

Eberline Services In-situ Gamma Slab Measurements

Maximum:	4.20 nCi/g
Minimum:	0.04 nCi/g
Mean:	0.89 nCi/g
Standard Deviation:	1.18 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	71.69 nCi/g
Minimum:	0.49 nCi/g
Mean:	3.51 nCi/g
Standard Deviation:	6.45 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 9.06E+07

Total Grams WGPu: 7.47E-03

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Eberline Services - RFETS
Building 371 Final Survey Results
3/23/2005 12:48 PM

Building 371 Sub-Basement Floor Area Surveys Area (Conducted 3-6-05, 3-13-05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)	SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (Inches)	Assumed Slab Thickness (Inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
3060530	1206	CSV-1	1	0.100	0.020	106.0	<MDA	0.7	0.8	0.390	7.0	0.0	0.0	1
3060527	1206	CSV-2	5	0.620	0.040	105.0	<MDA	4.2	4.9	0.390	7.0	0.2	0.3	1
3060523	1206	CSV-3	62	7.300	0.070	105.0	<MDA	50.0	57.3	0.390	7.0	2.8	3.2	1
3060526	1206	CSV-4	1	0.120	0.020	106.0	<MDA	0.8	0.9	0.390	7.0	0.0	0.1	1
3060524	1206	CSV-5	2	0.280	0.020	105.0	<MDA	1.9	2.2	0.390	7.0	0.1	0.1	1
3060533	1206	CSV-6	1	0.160	0.020	106.0	<MDA	1.1	1.3	0.390	7.0	0.1	0.1	1
3060522	1220	CSV-7*	295	4.600	0.090	39.7	<MDA	31.5	36.1	0.390	7.0	1.8	2.0	1
3060519	1218	CSV-8	24	2.800	0.050	105.0	<MDA	19.2	22.0	0.390	7.0	1.1	1.2	1
3060520	1220	CSV-9*	27	1.400	0.090	11.0	<MDA	9.6	11.0	0.390	7.0	0.5	0.6	1
3060532	1206	CSV-10	8	0.930	0.030	105.0	<MDA	6.4	7.3	0.390	7.0	0.4	0.4	1
3060518	1218	CSV-11	26	3.000	0.040	105.0	<MDA	20.6	23.6	0.390	7.0	1.1	1.3	1
3060525	1206	CSV-12	4	0.440	0.020	105.0	<MDA	3.0	3.5	0.390	7.0	0.2	0.2	1
3060521	1220	CSV-13*	54	2.800	0.100	9.9	<MDA	19.2	22.0	0.390	7.0	1.1	1.2	1
3060529	1206	CSV-14	3	0.310	0.030	105.0	<MDA	2.1	2.4	0.390	7.0	0.1	0.1	1
3060531	1206	CSV-15	4	0.510	0.020	105.0	<MDA	3.5	4.0	0.390	7.0	0.2	0.2	1
3060528	1206	CSV-B3	1	0.120	0.030	106.0	<MDA	0.8	0.9	0.390	7.0	0.0	0.1	1
3130501	1206	CSV-B4	13	1.500	0.030	105.0	<MDA	10.3	11.8	0.390	7.0	0.6	0.7	1
3130503	1206	CSV-B5	83	9.600	0.030	105.0	<MDA	65.8	75.4	0.390	7.0	3.7	4.2	1

Notes:

1) Floor survey areas are equivalent to 4 sq.ft. each, unless indicated with an asterisk* All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.85
Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

Survey Location		
Maximum	4.199	nCi/g
Mean (Average)	0.889	nCi/g
Median	0.339	nCi/g
Standard Deviation	1.177	nCi/g
n	18	
Square Root n	4.24	
TINV (0.10,n-1)	1.74	
UCL_{95}	1.372	nCi/g

CSV

Calculations based on methods from RE Calculation 04-RS-0041

If paint thicknesses are unknown enter .25

WGPu Areal Efficiency	30	cpm m^2/uCi		
Wall paint thickness =	0.25	in	Attenuation CF Wall	0.807
Floor paint thickness =	0	in	Attenuation CF Floor	1.000
Ceiling paint thickness =	0.25	in	Attenuation CF Ceiling	0.807
Contamination Depth =	1	cm	Cement Attenuation Factor Floor (Afc)=	0.842
Density of Cement =	2.35	g/cm^3		371.00
Weight of cement in 1m^2=	23500	g		
Survey Time =	0.5	min		
Survey Location =	CSV			
Meets 100 nCi/g =	YES			

Survey Location	Location (Enter "f" for floor, "w" for wall, or "c" for ceiling)	Counts	CPM	Attenuation CF Paint	Corrected Areal Efficiency	Surface nCi/g
Q103	f	218	436	1.000	25.258	0.73
R103	f	550	1100	1.000	25.258	1.85
S97	f	320	640	1.000	25.258	1.08
S98	f	656	1312	1.000	25.258	2.21
S99	f	850	1700	1.000	25.258	2.86
S100	f	1766	3532	1.000	25.258	5.95
S101	f	493	986	1.000	25.258	1.66
S102	f	358	716	1.000	25.258	1.21
S103	f	332	664	1.000	25.258	1.12
AA95	f	706	1412	1.000	25.258	2.38
AA96	f	232	464	1.000	25.258	0.78
AA97	f	258	516	1.000	25.258	0.87
AA98	f	224	448	1.000	25.258	0.75
AA99	f	176	352	1.000	25.258	0.59
AA100	f	227	454	1.000	25.258	0.76
AA101	f	413	826	1.000	25.258	1.39
AA104	f	350	700	1.000	25.258	1.18
AA105	f	347	694	1.000	25.258	1.17
AA106	f	325	650	1.000	25.258	1.10
AA107	f	409	818	1.000	25.258	1.38
AA108	f	512	1024	1.000	25.258	1.73
AA109	f	652	1304	1.000	25.258	2.20
AB104	f	582	1164	1.000	25.258	1.96
AB105	f	243	486	1.000	25.258	0.82
AB106	f	243	486	1.000	25.258	0.82
AB107	f	220	440	1.000	25.258	0.74
AB108	f	371	742	1.000	25.258	1.25
AB109	f	549	1098	1.000	25.258	1.85
AC104	f	750	1500	1.000	25.258	2.53
AC105	f	287	574	1.000	25.258	0.97
AC106	f	240	480	1.000	25.258	0.81
AC107	f	263	526	1.000	25.258	0.89
AC108	f	886	1772	1.000	25.258	2.99
AC109	f	359	718	1.000	25.258	1.21
AD96	f	305	610	1.000	25.258	1.03
AD97	f	363	726	1.000	25.258	1.22
AD98	f	277	554	1.000	25.258	0.93
AD99	f	181	362	1.000	25.258	0.61
AD100	f	326	652	1.000	25.258	1.10
AD101	f	253	506	1.000	25.258	0.85
AD102	f	316	632	1.000	25.258	1.06
AD104	f	505	1010	1.000	25.258	1.70
AD105	f	200	400	1.000	25.258	0.67
AD106	f	266	532	1.000	25.258	0.90
AD107	f	224	448	1.000	25.258	0.75
AD108	f	497	994	1.000	25.258	1.67
AD109	f	362	724	1.000	25.258	1.22
AE104	f	455	910	1.000	25.258	1.53
AE105	f	281	562	1.000	25.258	0.95
AE106	f	243	486	1.000	25.258	0.82
AE107	f	242	484	1.000	25.258	0.82
AE108	f	1005	2010	1.000	25.258	3.39
AE109	f	678	1356	1.000	25.258	2.28
AF104	f	690	1380	1.000	25.258	2.32
AF105	f	350	700	1.000	25.258	1.18
AF106	f	231	462	1.000	25.258	0.78
AF107	f	322	644	1.000	25.258	1.08
AF108	f	1064	2128	1.000	25.258	3.59
AF109	f	854	1708	1.000	25.258	2.88
AG104	f	513	1026	1.000	25.258	1.73

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AG105	f	278	556	1.000	25.258	0.94
AG106	f	233	466	1.000	25.258	0.79
AG107	f	317	634	1.000	25.258	1.07
AG108	f	1960	3920	1.000	25.258	6.60
AG109	f	962	1924	1.000	25.258	3.24
AH97	f	338	676	1.000	25.258	1.14
AH98	f	210	420	1.000	25.258	0.71
AH99	f	289	578	1.000	25.258	0.97
AH100	f	418	836	1.000	25.258	1.41
AH101	f	270	540	1.000	25.258	0.91
AH102	f	231	462	1.000	25.258	0.78
AH103	f	755	1510	1.000	25.258	2.54
AH104	f	511	1022	1.000	25.258	1.72
AH105	f	238	476	1.000	25.258	0.80
AH106	f	285	570	1.000	25.258	0.96
AH107	f	307	614	1.000	25.258	1.03
AH108	f	1579	3158	1.000	25.258	5.32
AH109	f	1149	2298	1.000	25.258	3.87
AI104	f	740	1480	1.000	25.258	2.49
AI105	f	433	866	1.000	25.258	1.46
AI106	f	345	690	1.000	25.258	1.16
AI107	f	409	818	1.000	25.258	1.38
AI108	f	2942	5884	1.000	25.258	9.91
AI109	f	1272	2544	1.000	25.258	4.29
AJ104	f	1243	2486	1.000	25.258	4.19
AJ105	f	454	908	1.000	25.258	1.53
AJ106	f	361	722	1.000	25.258	1.22
AJ107	f	350	700	1.000	25.258	1.18
AJ108	f	2615	5230	1.000	25.258	8.81
AJ109	f	1177	2354	1.000	25.258	3.97
AK104	f	1629	3258	1.000	25.258	5.49
AK105	f	580	1160	1.000	25.258	1.95
AK106	f	415	830	1.000	25.258	1.40
AK107	f	353	706	1.000	25.258	1.19
AK108	f	2273	4546	1.000	25.258	7.66
AK109	f	1272	2544	1.000	25.258	4.29
AL104	f	2997	5994	1.000	25.258	10.10
AL105	f	1550	3100	1.000	25.258	5.22
AL106	f	334	668	1.000	25.258	1.13
AL107	f	427	854	1.000	25.258	1.44
AL108	f	1939	3878	1.000	25.258	6.53
AL109	f	1378	2756	1.000	25.258	4.64
AM19	f	1468	2936	1.000	25.258	4.95
AM20	f	287	574	1.000	25.258	0.97
AM21	f	213	426	1.000	25.258	0.72
AM22	f	213	426	1.000	25.258	0.72
AM23	f	193	386	1.000	25.258	0.65
AM24	f	172	344	1.000	25.258	0.58
AM25	f	200	400	1.000	25.258	0.67
AM26	f	239	478	1.000	25.258	0.81
AM27	f	324	648	1.000	25.258	1.09
AM28	f	351	702	1.000	25.258	1.18
AM29	f	1315	2630	1.000	25.258	4.43
AM30	f	663	1326	1.000	25.258	2.23
AM31	f	311	622	1.000	25.258	1.05
AM32	f	228	456	1.000	25.258	0.77
AM33	f	210	420	1.000	25.258	0.71
AM34	f	305	610	1.000	25.258	1.03
AM35	f	309	618	1.000	25.258	1.04
AM36	f	272	544	1.000	25.258	0.92
AM37	f	530	1060	1.000	25.258	1.79
AM38	f	277	554	1.000	25.258	0.93
AM39	f	242	484	1.000	25.258	0.82
AM40	f	255	510	1.000	25.258	0.86
AM41	f	367	734	1.000	25.258	1.24
AM42	f	661	1322	1.000	25.258	2.23
AM43	f	413	826	1.000	25.258	1.39
AM44	f	301	602	1.000	25.258	1.01
AM45	f	388	776	1.000	25.258	1.31
AM46	f	315	630	1.000	25.258	1.06
AM47	f	362	724	1.000	25.258	1.22
AM48	f	466	932	1.000	25.258	1.57
AM49	f	564	1128	1.000	25.258	1.90
AM50	f	1865	3730	1.000	25.258	6.28
AM51	f	530	1060	1.000	25.258	1.79
AM52	f	550	1100	1.000	25.258	1.85
AM53	f	836	1672	1.000	25.258	2.82
AM54	f	945	1890	1.000	25.258	3.18
AM55	f	1059	2118	1.000	25.258	3.57
AM56	f	1506	3012	1.000	25.258	5.07
AM57	f	631	1262	1.000	25.258	2.13

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AM58	f	857	1714	1.000	25.258	2.89
AM59	f	2760	5520	1.000	25.258	9.30
AM60	f	529	1058	1.000	25.258	1.78
AM61	f	686	1372	1.000	25.258	2.31
AM62	f	749	1498	1.000	25.258	2.52
AM63	f	301	602	1.000	25.258	1.01
AM64	f	367	734	1.000	25.258	1.24
AM65	f	729	1458	1.000	25.258	2.46
AM66	f	223	446	1.000	25.258	0.75
AM67	f	267	534	1.000	25.258	0.90
AM68	f	274	548	1.000	25.258	0.92
AM69	f	240	480	1.000	25.258	0.81
AM70	f	317	634	1.000	25.258	1.07
AM71	f	439	878	1.000	25.258	1.48
AM72	f	305	610	1.000	25.258	1.03
AM73	f	334	668	1.000	25.258	1.13
AM74	f	276	552	1.000	25.258	0.93
AM75	f	274	548	1.000	25.258	0.92
AM76	f	273	546	1.000	25.258	0.92
AM77	f	246	492	1.000	25.258	0.83
AM78	f	368	736	1.000	25.258	1.24
AM79	f	310	620	1.000	25.258	1.04
AM80	f	219	438	1.000	25.258	0.74
AM81	f	220	440	1.000	25.258	0.74
AM82	f	606	1212	1.000	25.258	2.04
AM83	f	315	630	1.000	25.258	1.06
AM84	f	252	504	1.000	25.258	0.85
AM85	f	277	554	1.000	25.258	0.93
AM86	f	416	832	1.000	25.258	1.40
AM87	f	1026	2052	1.000	25.258	3.46
AM88	f	587	1174	1.000	25.258	1.98
AM89	f	456	912	1.000	25.258	1.54
AM90	f	909	1818	1.000	25.258	3.06
AM91	f	1397	2794	1.000	25.258	4.71
AM92	f	800	1600	1.000	25.258	2.70
AM93	f	636	1272	1.000	25.258	2.14
AM94	f	1856	3712	1.000	25.258	6.25
AM95	f	2768	5536	1.000	25.258	9.33
AM96	f	3915	7830	1.000	25.258	13.19
AM97	f	4013	8026	1.000	25.258	13.52
AM98	f	1284	2568	1.000	25.258	4.33
AM99	f	1651	3302	1.000	25.258	5.56
AM100	f	855	1710	1.000	25.258	2.88
AM101	f	638	1276	1.000	25.258	2.15
AM102	f	562	1124	1.000	25.258	1.89
AM103	f	645	1290	1.000	25.258	2.17
AM104	f	3369	6738	1.000	25.258	11.35
AM108	f	2239	4478	1.000	25.258	7.54
AM109	f	1115	2230	1.000	25.258	3.76
AN19	f	315	630	1.000	25.258	1.06
AN20	f	200	400	1.000	25.258	0.67
AN21	f	208	416	1.000	25.258	0.70
AN22	f	184	368	1.000	25.258	0.62
AN23	f	229	458	1.000	25.258	0.77
AN24	f	396	792	1.000	25.258	1.33
AN25	f	409	818	1.000	25.258	1.38
AN26	f	244	488	1.000	25.258	0.82
AN27	f	343	686	1.000	25.258	1.16
AN28	f	401	802	1.000	25.258	1.35
AN29	f	658	1316	1.000	25.258	2.22
AN30	f	789	1578	1.000	25.258	2.66
AN31	f	409	818	1.000	25.258	1.38
AN32	f	357	714	1.000	25.258	1.20
AN33	f	240	480	1.000	25.258	0.81
AN34	f	972	1944	1.000	25.258	3.28
AN35	f	786	1572	1.000	25.258	2.65
AN36	f	702	1404	1.000	25.258	2.37
AN37	f	3845	7690	1.000	25.258	12.96
AN38	f	562	1124	1.000	25.258	1.89
AN39	f	701	1402	1.000	25.258	2.36
AN40	f	611	1222	1.000	25.258	2.06
AN41	f	505	1010	1.000	25.258	1.70
AN42	f	826	1652	1.000	25.258	2.78
AN43	f	2194	4388	1.000	25.258	7.39
AN44	f	451	902	1.000	25.258	1.52
AN45	f	581	1162	1.000	25.258	1.98
AN46	f	374	748	1.000	25.258	1.26
AN47	f	1555	3110	1.000	25.258	5.24
AN48	f	1080	2160	1.000	25.258	3.64
AN49	f	1495	2990	1.000	25.258	5.04
AN50	f	3571	7142	1.000	25.258	12.03

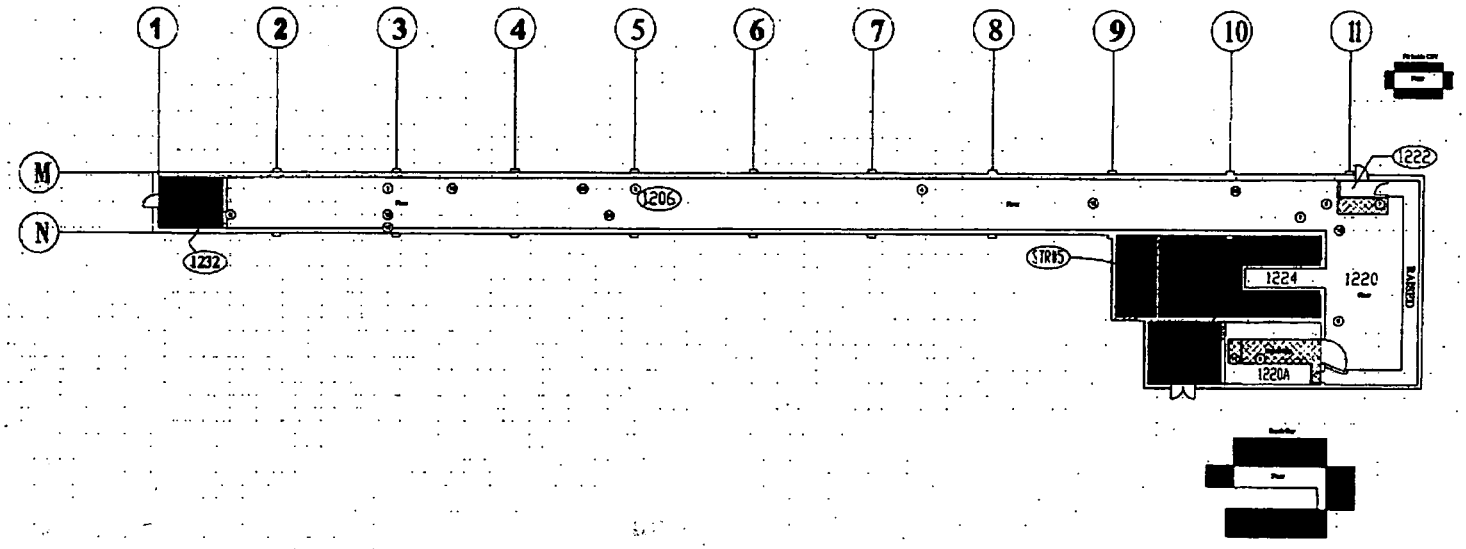
AN51	f	1144	2288	1.000	25.258	3.85
AN52	f	1917	3834	1.000	25.258	6.46
AN53	f	4228	8456	1.000	25.258	14.25
AN54	f	1351	2702	1.000	25.258	4.55
AN55	f	6005	12010	1.000	25.258	20.23
AN56	f	3124	6248	1.000	25.258	10.53
AN57	f	1309	2618	1.000	25.258	4.41
AN58	f	1502	3004	1.000	25.258	5.06
AN59	f	1231	2462	1.000	25.258	4.15
AN60	f	1776	3552	1.000	25.258	5.98
AN61	f	799	1598	1.000	25.258	2.69
AN62	f	790	1580	1.000	25.258	2.66
AN63	f	964	1928	1.000	25.258	3.25
AN64	f	560	1120	1.000	25.258	1.89
AN65	f	527	1054	1.000	25.258	1.78
AN66	f	293	586	1.000	25.258	0.99
AN67	f	326	652	1.000	25.258	1.10
AN68	f	337	674	1.000	25.258	1.14
AN69	f	449	898	1.000	25.258	1.51
AN70	f	310	620	1.000	25.258	1.04
AN71	f	731	1462	1.000	25.258	2.46
AN72	f	440	880	1.000	25.258	1.48
AN73	f	326	652	1.000	25.258	1.10
AN74	f	431	862	1.000	25.258	1.45
AN75	f	422	844	1.000	25.258	1.42
AN76	f	277	554	1.000	25.258	0.93
AN77	f	258	516	1.000	25.258	0.87
AN78	f	365	730	1.000	25.258	1.23
AN79	f	250	500	1.000	25.258	0.84
AN80	f	188	376	1.000	25.258	0.63
AN81	f	220	440	1.000	25.258	0.74
AN82	f	365	730	1.000	25.258	1.23
AN83	f	271	542	1.000	25.258	0.91
AN84	f	327	654	1.000	25.258	1.10
AN85	f	482	964	1.000	25.258	1.62
AN86	f	371	742	1.000	25.258	1.25
AN87	f	357	714	1.000	25.258	1.20
AN88	f	969	1938	1.000	25.258	3.27
AN89	f	449	898	1.000	25.258	1.51
AN90	f	456	912	1.000	25.258	1.54
AN91	f	1052	2104	1.000	25.258	3.54
AN92	f	608	1216	1.000	25.258	2.05
AN93	f	1385	2770	1.000	25.258	4.67
AN94	f	2187	4374	1.000	25.258	7.37
AN95	f	2903	5806	1.000	25.258	9.78
AN96	f	4135	8270	1.000	25.258	13.93
AN97	f	9611	19222	1.000	25.258	32.38
AN98	f	7517	15034	1.000	25.258	25.33
AN99	f	4372	8744	1.000	25.258	14.73
AN100	f	1538	3076	1.000	25.258	5.18
AN101	f	1699	3398	1.000	25.258	5.72
AN102	f	1015	2030	1.000	25.258	3.42
AN103	f	2622	5244	1.000	25.258	8.83
AN108	f	9327	18654	1.000	25.258	31.43
AN109	f	1797	3594	1.000	25.258	6.05
AO19	f	293	586	1.000	25.258	0.99
AO20	f	187	374	1.000	25.258	0.63
AO21	f	146	292	1.000	25.258	0.49
AO22	f	175	350	1.000	25.258	0.59
AO23	f	197	394	1.000	25.258	0.66
AO24	f	161	322	1.000	25.258	0.54
AO25	f	184	368	1.000	25.258	0.62
AO26	f	165	330	1.000	25.258	0.56
AO27	f	180	360	1.000	25.258	0.61
AO28	f	200	400	1.000	25.258	0.67
AO29	f	201	402	1.000	25.258	0.68
AO30	f	161	322	1.000	25.258	0.54
AO31	f	218	436	1.000	25.258	0.73
AO32	f	214	428	1.000	25.258	0.72
AO33	f	160	320	1.000	25.258	0.54
AO34	f	264	528	1.000	25.258	0.89
AO35	f	237	474	1.000	25.258	0.80
AO36	f	285	570	1.000	25.258	0.96
AO37	f	885	1770	1.000	25.258	2.98
AO38	f	292	584	1.000	25.258	0.98
AO39	f	268	536	1.000	25.258	0.90
AO40	f	371	742	1.000	25.258	1.25
AO41	f	448	896	1.000	25.258	1.51
AO42	f	420	840	1.000	25.258	1.42
AO43	f	293	586	1.000	25.258	0.99
AO44	f	355	710	1.000	25.258	1.20

AO45	f	408	816	1.000	25.258	1.37
AO46	f	424	848	1.000	25.258	1.43
AO47	f	446	892	1.000	25.258	1.50
AO48	f	551	1102	1.000	25.258	1.86
AO49	f	573	1146	1.000	25.258	1.93
AO50	f	746	1492	1.000	25.258	2.51
AO51	f	951	1902	1.000	25.258	3.20
AO52	f	1489	2978	1.000	25.258	5.02
AO53	f	1982	3964	1.000	25.258	6.68
AO54	f	977	1954	1.000	25.258	3.29
AO55	f	1317	2634	1.000	25.258	4.44
AO56	f	5001	10002	1.000	25.258	16.85
AO57	f	9525	19050	1.000	25.258	32.09
AO58	f	5083	10166	1.000	25.258	17.13
AO59	f	2666	5332	1.000	25.258	8.98
AO60	f	1231	2462	1.000	25.258	4.15
AO61	f	1156	2312	1.000	25.258	3.90
AO62	f	1184	2368	1.000	25.258	3.99
AO63	f	709	1418	1.000	25.258	2.39
AO64	f	431	862	1.000	25.258	1.45
AO65	f	494	988	1.000	25.258	1.66
AO66	f	217	434	1.000	25.258	0.73
AO67	f	267	534	1.000	25.258	0.90
AO68	f	327	654	1.000	25.258	1.10
AO69	f	235	470	1.000	25.258	0.79
AO70	f	239	478	1.000	25.258	0.81
AO71	f	323	646	1.000	25.258	1.09
AO72	f	365	730	1.000	25.258	1.23
AO73	f	306	612	1.000	25.258	1.03
AO74	f	255	510	1.000	25.258	0.86
AO75	f	243	486	1.000	25.258	0.82
AO76	f	304	608	1.000	25.258	1.02
AO77	f	275	550	1.000	25.258	0.93
AO78	f	394	788	1.000	25.258	1.33
AO79	f	330	660	1.000	25.258	1.11
AO80	f	332	664	1.000	25.258	1.12
AO81	f	274	548	1.000	25.258	0.92
AO82	f	1363	2726	1.000	25.258	4.59
AO83	f	789	1578	1.000	25.258	2.66
AO84	f	379	758	1.000	25.258	1.28
AO85	f	363	726	1.000	25.258	1.22
AO86	f	900	1800	1.000	25.258	3.03
AO87	f	1476	2952	1.000	25.258	4.97
AO88	f	453	906	1.000	25.258	1.53
AO89	f	451	902	1.000	25.258	1.52
AO90	f	525	1050	1.000	25.258	1.77
AO91	f	2815	5630	1.000	25.258	9.49
AO92	f	626	1252	1.000	25.258	2.11
AO93	f	1060	2120	1.000	25.258	3.57
AO94	f	1224	2448	1.000	25.258	4.12
AO95	f	1019	2038	1.000	25.258	3.43
AO96	f	4366	8732	1.000	25.258	14.71
AO97	f	21276	42552	1.000	25.258	71.69
AO98	f	8018	16036	1.000	25.258	27.02
AO99	f	4585	9170	1.000	25.258	15.45
AO100	f	1843	3686	1.000	25.258	6.21
AO101	f	2029	4058	1.000	25.258	6.84
AO102	f	6278	12556	1.000	25.258	21.15
AO103	f	14770	29540	1.000	25.258	49.77
AO104	f	11284	22568	1.000	25.258	38.02
AO105	f	1738	3476	1.000	25.258	5.86
AO106	f	370	740	1.000	25.258	1.25
AO107	f	345	690	1.000	25.258	1.16
AO108	f	979	1958	1.000	25.258	3.30
AO109	f	666	1332	1.000	25.258	2.24
AX109	f	919	1838	1.000	25.258	3.10
AX110	f	885	1770	1.000	25.258	2.98
AX111	f	678	1356	1.000	25.258	2.28

PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: E Survey Unit: DOP Classification: N/A
Building: 371 CSV
Survey Unit Description: Floor Area Only
Total Area: 523 sq. m. Total Floor Area: 523 sq. m.

PAGE 1 OF 1



SURVEY MAP LEGEND

- Inside Gamma Span Sample
- Open/Inaccessible Area
- Area in Another Survey Unit

N

0 FEET 30
0 METERS 10

1 inch = 20 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J. Johnson, 303.966.2300 Prepared for:

FINAL

SAF-E-2100 Rocky Flats Environmental Technology Site February 3, 2000

Survey Area: F	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 2 Bias		Nbr of measurements: 537

Eberline Services In-situ Gamma Slab Measurements

Maximum:	2.93 nCi/g
Minimum:	0.05 nCi/g
Mean:	1.04 nCi/g
Standard Deviation:	0.87 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	93.36 nCi/g
Minimum:	0.12 nCi/g
Mean:	6.01 nCi/g
Standard Deviation:	9.98 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 7.60E+08

Total Grams WGPu: 6.26E-02

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Building 371 Sub-Basement Floor Area Surveys (Conducted 3-6-05, 3-13-05, 3-14-05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)	SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
3060513	1125	1	58	6.700	0.120	11.6	<MDA	45.9	52.60	0.390	7.0	2.557	2.9	1
3060511	1125	2	33	3.800	0.060	105.0	<MDA	26.0	29.83	0.390	7.0	1.450	1.7	1
3140504	1125	3	28	3.200	0.050	105.0	<MDA	21.9	25.12	0.390	7.0	1.221	1.4	1
3140503	1125	4	5.6	0.660	0.030	105.0	<MDA	4.5	5.18	0.390	7.0	0.252	0.3	1
3140507	1125	5	4.9	0.580	0.020	105.0	<MDA	4.0	4.55	0.390	7.0	0.221	0.3	1
3060504	1117	6	20	2.300	0.050	105.0	<MDA	15.8	18.06	0.390	7.0	0.878	1.0	1
3060501	1117	7	23	2.700	0.050	105.0	<MDA	18.5	21.20	0.390	7.0	1.030	1.2	1
3140508	1125	8	17	2.000	0.050	105.0	<MDA	13.7	15.70	0.390	7.0	0.763	0.9	1
3060506	1117	9	18	2.000	0.040	79.9	<MDA	13.7	15.70	0.390	7.0	0.763	0.9	1
3140501	1117	10	19	2.200	0.050	105.0	<MDA	15.1	17.27	0.390	7.0	0.840	1.0	1
3140505	1125	11	4	0.470	0.020	105.0	<MDA	3.2	3.69	0.390	7.0	0.179	0.2	1
3060516	1117	12	58	6.700	0.080	105.0	<MDA	45.9	52.60	0.390	7.0	2.557	2.9	1
3060505	1117	13	9	1.100	0.030	105.0	<MDA	7.5	8.64	0.390	7.0	0.420	0.5	1
3060512	1125	14	35	4.000	0.060	105.0	<MDA	27.4	31.40	0.390	7.0	1.527	1.7	1
3060502	1117	15	1	0.121	0.020	106.0	<MDA	0.8	0.95	0.390	7.0	0.046	0.1	1
3140502	1125	B1	7	0.810	0.030	105.0	<MDA	5.5	6.36	0.390	7.0	0.309	0.4	1
3140506	1125	B2	8.5	1.000	0.030	105.0	<MDA	6.9	7.85	0.390	7.0	0.382	0.4	1

Notes:

1) Floor survey areas are equivalent to 4 sq.ft. each, unless indicated with an asterisk* All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.85
Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

Survey Location		
Maximum	2.930	nCi/g
Mean (Average)	1.038	nCi/g
Median	0.875	nCi/g
Standard Deviation	0.875	nCi/g
n	17	
Square Root n	4.12	
TINV (0.10,n-1)	1.75	
UCL_{95}	1.408	nCi/g

1117 & 1125

Calculations based on methods from RE Calculation 04-RS-0041

If paint thicknesses are unknown enter .25

WGPu Areal Efficiency	30 cpm m^2/uCi		
Wall paint thickness =	0.25 in	Attenuation CF Wall	0.807
Floor paint thickness =	0.25 in	Attenuation CF Floor	0.807
Ceiling paint thickness =	0.25 in	Attenuation CF Ceiling	0.807
Contamination Depth =	1 cm	Cement Attenuation Factor Floor (Afc)=	0.842
Density of Cement =	2.35 g/cm^3		
Weight of cement in 1m^2=	23500 g	Average =	6.011
Survey Time =	0.5 min	Maximum =	93.364
Meets 100 nCi/g =	YES	Number Samples =	537

Survey Location	Location (Enter "f" for floor, "w" for wall, or "c" for ceiling)	Counts	CPM	Attenuation CF Paint	Corrected Areal Efficiency	Surface nCi/g
F19	w	160	320	0.807	20.383	0.67
F20	w	172	344	0.807	20.383	0.72
F21	w	290	580	0.807	20.383	1.21
G19	w	234	468	0.807	20.383	0.98
G20	w	218	436	0.807	20.383	0.91
G21	w	276	552	0.807	20.383	1.15
G22	w	831	1662	0.807	20.383	3.47
H19	w	265	530	0.807	20.383	1.11
H20	w	428	856	0.807	20.383	1.79
H21	w	451	902	0.807	20.383	1.88
H22	w	272	544	0.807	20.383	1.14
I19	w	70	140	0.807	20.383	0.29
I20	w	213	426	0.807	20.383	0.89
I21	w	324	648	0.807	20.383	1.35
I22	w	512	1024	0.807	20.383	2.14
I23	w	1136	2272	0.807	20.383	4.74
I24	w	381	762	0.807	20.383	1.59
I25	w	413	826	0.807	20.383	1.72
I26	w	264	528	0.807	20.383	1.10
I27	w	263	526	0.807	20.383	1.10
I28	w	730	1460	0.807	20.383	3.05
I29	w	429	858	0.807	20.383	1.79
I30	w	648	1296	0.807	20.383	2.71
I31	w	803	1606	0.807	20.383	3.35
I32	w	722	1444	0.807	20.383	3.01
I33	w	472	944	0.807	20.383	1.97
I34	w	376	752	0.807	20.383	1.57
I35	w	339	678	0.807	20.383	1.42
I36	w	266	532	0.807	20.383	1.11
I37	w	342	684	0.807	20.383	1.43
I38	w	545	1090	0.807	20.383	2.28
I39	w	797	1594	0.807	20.383	3.33
I40	w	1121	2242	0.807	20.383	4.68
I41	w	2119	4238	0.807	20.383	8.85
J19	w	2119	4238	0.807	20.383	8.85
J20	w	343	686	0.807	20.383	1.43
J21	w	501	1002	0.807	20.383	2.09
J22	w	570	1140	0.807	20.383	2.38
J24	w	659	1318	0.807	20.383	2.75
J25	w	630	1260	0.807	20.383	2.63
J26	w	469	938	0.807	20.383	1.96
J27	w	465	930	0.807	20.383	1.94
J28	w	1675	3350	0.807	20.383	6.99
J29	w	806	1612	0.807	20.383	3.37
J30	w	662	1324	0.807	20.383	2.76
J31	w	1102	2204	0.807	20.383	4.60
J32	w	2228	4456	0.807	20.383	9.30
J33	w	1265	2530	0.807	20.383	5.28
J34	w	706	1412	0.807	20.383	2.95
J35	w	476	952	0.807	20.383	1.99
J36	w	407	814	0.807	20.383	1.70
J37	w	497	994	0.807	20.383	2.08
J38	w	401	802	0.807	20.383	1.67
J39	w	388	776	0.807	20.383	1.62
J40	w	1153	2306	0.807	20.383	4.81
K20	w	1538	3076	0.807	20.383	6.42
K21	w	2243	4486	0.807	20.383	9.37
K22	w	4436	8872	0.807	20.383	18.52
K24	w	1793	3586	0.807	20.383	7.49
K25	w	1773	3546	0.807	20.383	7.40
K26	w	1599	3198	0.807	20.383	6.68

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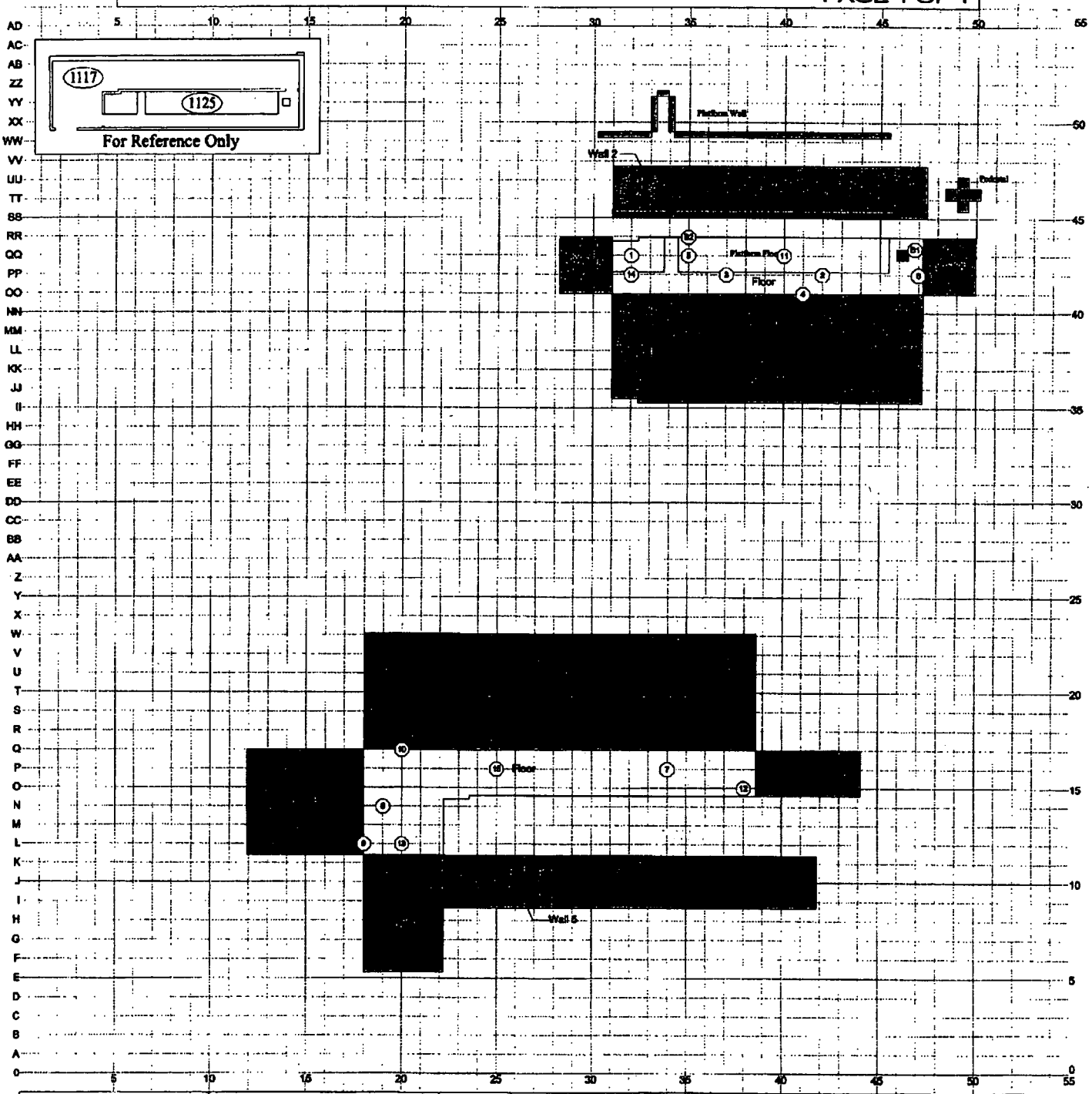
K27	w	1285	2570	0.807	20.383	5.37
K28	w	2034	4068	0.807	20.383	8.49
K29	w	2678	5356	0.807	20.383	11.18
K30	w	1747	3494	0.807	20.383	7.29
K31	w	1972	3944	0.807	20.383	8.23
K32	w	2589	5178	0.807	20.383	10.81
K33	w	2046	4092	0.807	20.383	8.54
K34	w	1290	2580	0.807	20.383	5.39
K35	w	674	1348	0.807	20.383	2.81
K36	w	1304	2608	0.807	20.383	5.44
K37	w	1791	3582	0.807	20.383	7.48
K38	w	2207	4414	0.807	20.383	9.21
K39	w	1791	3582	0.807	20.383	7.48
K40	w	3620	7240	0.807	20.383	15.11
L14	w	411	822	0.807	20.383	1.72
L15	w	273	546	0.807	20.383	1.14
L16	w	456	912	0.807	20.383	1.90
L17	w	1258	2516	0.807	20.383	5.25
L19	f	500	1000	0.807	20.383	2.09
L20	f	808	1616	0.807	20.383	3.37
L21	f	377	754	0.807	20.383	1.57
L22	f	1662	3324	0.807	20.383	6.94
M13	w	441	882	0.807	20.383	1.84
M14	w	484	968	0.807	20.383	2.02
M15	w	425	850	0.807	20.383	1.77
M16	w	593	1186	0.807	20.383	2.48
M17	w	729	1458	0.807	20.383	3.04
M19	f	2329	4658	0.807	20.383	9.72
M20	f	355	710	0.807	20.383	1.48
M21	f	743	1486	0.807	20.383	3.10
M22	f	1267	2534	0.807	20.383	5.29
N13	w	459	918	0.807	20.383	1.92
N14	w	349	698	0.807	20.383	1.46
N15	w	262	524	0.807	20.383	1.09
N16	w	400	800	0.807	20.383	1.67
N17	w	938	1876	0.807	20.383	3.92
N19	f	1133	2266	0.807	20.383	4.73
N20	f	237	474	0.807	20.383	0.99
N21	f	2124	4248	0.807	20.383	8.87
N22	f	1004	2008	0.807	20.383	4.19
O13	w	392	784	0.807	20.383	1.64
O14	w	308	616	0.807	20.383	1.29
O15	w	343	686	0.807	20.383	1.43
O16	w	403	806	0.807	20.383	1.68
O17	w	1088	2176	0.807	20.383	4.54
O19	f	743	1486	0.807	20.383	3.10
O20	f	1044	2088	0.807	20.383	4.36
O21	f	2730	5460	0.807	20.383	11.40
O22	f	3411	6822	0.807	20.383	14.24
O23	f	7309	14618	0.807	20.383	30.52
O24	f	3059	6118	0.807	20.383	12.77
O25	f	5387	10774	0.807	20.383	22.49
O26	f	3496	6992	0.807	20.383	14.60
O27	f	3011	6022	0.807	20.383	12.57
O28	f	3521	7042	0.807	20.383	14.70
O29	f	4164	8328	0.807	20.383	17.39
O30	f	3025	6050	0.807	20.383	12.63
O31	f	2558	5116	0.807	20.383	10.68
O32	f	1693	3386	0.807	20.383	7.07
O33	f	4169	8338	0.807	20.383	17.41
O34	f	9672	19344	0.807	20.383	40.38
O35	f	9188	18376	0.807	20.383	38.36
O36	f	7813	15626	0.807	20.383	32.62
O37	f	20473	40946	0.807	20.383	85.48
O38	f	9449	18898	0.807	20.383	39.45
O39	w	4298	8596	0.807	20.383	17.95
O40	w	604	1208	0.807	20.383	2.52
O41	w	293	586	0.807	20.383	1.22
O42	w	189	378	0.807	20.383	0.79
O43	w	156	312	0.807	20.383	0.65
O44	w	144	288	0.807	20.383	0.60
P13	w	711	1422	0.807	20.383	2.97
P14	w	637	1274	0.807	20.383	2.66
P15	w	1310	2620	0.807	20.383	5.47
P16	w	1547	3094	0.807	20.383	6.46
P17	w	2186	4372	0.807	20.383	9.13
P19	f	2747	5494	0.807	20.383	11.47
P20	f	2485	4970	0.807	20.383	10.38
P21	f	3552	7104	0.807	20.383	14.83
P22	f	1975	3950	0.807	20.383	8.25
P23	f	3020	6040	0.807	20.383	12.61

P24	f	394	788	0.807	20.383	1.65
P25	f	208	416	0.807	20.383	0.87
P26	f	229	458	0.807	20.383	0.96
P27	f	2472	4944	0.807	20.383	10.32
P28	f	7152	14304	0.807	20.383	29.86
P29	f	5413	10826	0.807	20.383	22.60
P30	f	4929	9858	0.807	20.383	20.58
P31	f	3775	7550	0.807	20.383	15.76
P32	f	1992	3984	0.807	20.383	8.32
P33	f	5449	10898	0.807	20.383	22.75
P34	f	5230	10460	0.807	20.383	21.84
P35	f	4993	9986	0.807	20.383	20.85
P36	f	6386	12772	0.807	20.383	26.66
P37	f	3442	6884	0.807	20.383	14.37
P38	f	2872	5744	0.807	20.383	11.99
P39	w	1762	3524	0.807	20.383	7.36
P40	w	545	1090	0.807	20.383	2.28
P41	w	306	612	0.807	20.383	1.28
P42	w	241	482	0.807	20.383	1.01
P43	w	190	380	0.807	20.383	0.79
P44	w	148	296	0.807	20.383	0.62
R19	w	898	1796	0.807	20.383	3.75
R20	w	1763	3526	0.807	20.383	7.36
R21	w	953	1906	0.807	20.383	3.98
R22	w	655	1310	0.807	20.383	2.73
R23	w	661	1322	0.807	20.383	2.76
R24	w	520	1040	0.807	20.383	2.17
R25	w	1359	2718	0.807	20.383	5.67
R26	w	4387	8774	0.807	20.383	18.32
R27	w	3473	6946	0.807	20.383	14.50
R28	w	3619	7238	0.807	20.383	15.11
R29	w	4065	8130	0.807	20.383	16.97
R30	w	2621	5242	0.807	20.383	10.94
R31	w	954	1908	0.807	20.383	3.98
R32	w	522	1044	0.807	20.383	2.18
R33	w	479	958	0.807	20.383	2.00
R34	w	493	986	0.807	20.383	2.06
R35	w	649	1298	0.807	20.383	2.71
R36	w	550	1100	0.807	20.383	2.30
R37	w	406	812	0.807	20.383	1.70
R38	w	422	844	0.807	20.383	1.76
S19	w	723	1446	0.807	20.383	3.02
S20	w	1035	2070	0.807	20.383	4.32
S21	w	922	1844	0.807	20.383	3.85
S22	w	466	932	0.807	20.383	1.95
S23	w	270	540	0.807	20.383	1.13
S24	w	239	478	0.807	20.383	1.00
S25	w	973	1946	0.807	20.383	4.06
S26	w	3103	6206	0.807	20.383	12.96
S27	w	3404	6808	0.807	20.383	14.21
S28	w	2620	5240	0.807	20.383	10.94
S29	w	5448	10896	0.807	20.383	22.75
S30	w	5562	11124	0.807	20.383	23.22
S31	w	884	1768	0.807	20.383	3.69
S32	w	277	554	0.807	20.383	1.16
S33	w	286	572	0.807	20.383	1.19
S34	w	232	464	0.807	20.383	0.97
S35	w	374	748	0.807	20.383	1.56
S36	w	283	566	0.807	20.383	1.18
S37	w	542	1084	0.807	20.383	2.26
S38	w	543	1086	0.807	20.383	2.27
T19	w	766	1532	0.807	20.383	3.20
T20	w	1180	2360	0.807	20.383	4.93
T21	w	790	1580	0.807	20.383	3.30
T22	w	316	632	0.807	20.383	1.32
T23	w	226	452	0.807	20.383	0.94
T24	w	226	452	0.807	20.383	0.94
T25	w	326	652	0.807	20.383	1.36
T26	w	1092	2184	0.807	20.383	4.56
T27	w	731	1462	0.807	20.383	3.05
T28	w	988	1976	0.807	20.383	4.13
T29	w	4892	9784	0.807	20.383	20.43
T30	w	3183	6366	0.807	20.383	13.29
T31	w	249	498	0.807	20.383	1.04
T32	w	186	372	0.807	20.383	0.78
T33	w	201	402	0.807	20.383	0.84
T34	w	198	396	0.807	20.383	0.83
T35	w	200	400	0.807	20.383	0.84
T36	w	191	382	0.807	20.383	0.80
T37	w	193	386	0.807	20.383	0.81
T38	w	292	584	0.807	20.383	1.22

U19	w	664	1328	0.807	20.383	2.77
U20	w	4777	9554	0.807	20.383	19.95
U21	w	852	1704	0.807	20.383	3.56
U22	w	212	424	0.807	20.383	0.89
U23	w	197	394	0.807	20.383	0.82
U24	w	173	346	0.807	20.383	0.72
U25	w	231	462	0.807	20.383	0.96
U26	w	161	322	0.807	20.383	0.67
U27	w	224	448	0.807	20.383	0.94
U28	w	256	512	0.807	20.383	1.07
U29	w	1475	2950	0.807	20.383	6.16
U30	w	1397	2794	0.807	20.383	5.83
U31	w	333	666	0.807	20.383	1.39
U32	w	198	396	0.807	20.383	0.83
U33	w	174	348	0.807	20.383	0.73
U34	w	142	284	0.807	20.383	0.59
U35	w	196	392	0.807	20.383	0.82
U36	w	153	306	0.807	20.383	0.64
U37	w	145	290	0.807	20.383	0.61
U38	w	161	322	0.807	20.383	0.67
V19	w	636	1272	0.807	20.383	2.66
V20	w	2510	5020	0.807	20.383	10.48
V21	w	389	778	0.807	20.383	1.62
V22	w	201	402	0.807	20.383	0.84
V23	w	180	360	0.807	20.383	0.75
V24	w	173	346	0.807	20.383	0.72
V25	w	141	282	0.807	20.383	0.59
V26	w	197	394	0.807	20.383	0.82
V27	w	162	324	0.807	20.383	0.68
V28	w	191	382	0.807	20.383	0.80
V29	w	179	358	0.807	20.383	0.75
V30	w	300	600	0.807	20.383	1.25
V31	w	170	340	0.807	20.383	0.71
V32	w	154	308	0.807	20.383	0.64
V33	w	168	336	0.807	20.383	0.70
V34	w	125	250	0.807	20.383	0.52
V35	w	213	426	0.807	20.383	0.89
V36	w	156	312	0.807	20.383	0.65
V37	w	157	314	0.807	20.383	0.66
V38	w	166	332	0.807	20.383	0.69
EE4	w	143	286	0.807	20.383	0.60
EE5	w	95	190	0.807	20.383	0.40
EE6	w	6154	12308	0.807	20.383	25.69
EE7	w	168	336	0.807	20.383	0.70
EE8	w	66	132	0.807	20.383	0.28
EE9	w	55	110	0.807	20.383	0.23
EE10	w	57	114	0.807	20.383	0.24
EE11	w	81	162	0.807	20.383	0.34
EE12	w	314	628	0.807	20.383	1.31
EE13	w	1650	3300	0.807	20.383	6.89
EE14	w	366	732	0.807	20.383	1.53
EE15	w	431	862	0.807	20.383	1.80
EE16	w	37	74	0.807	20.383	0.15
EE17	w	65	130	0.807	20.383	0.27
EE18	w	37	74	0.807	20.383	0.15
EE19	w	28	56	0.807	20.383	0.12
FF4	w	1245	2490	0.807	20.383	5.20
FF5	w	1150	2300	0.807	20.383	4.80
FF6	w	2337	4674	0.807	20.383	9.76
FF7	w	847	1694	0.807	20.383	3.54
FF8	w	301	602	0.807	20.383	1.26
FF9	w	241	482	0.807	20.383	1.01
FF10	w	437	874	0.807	20.383	1.82
FF11	w	362	724	0.807	20.383	1.51
FF12	w	681	1362	0.807	20.383	2.84
FF13	w	394	788	0.807	20.383	1.65
FF14	w	194	388	0.807	20.383	0.81
FF15	w	67	134	0.807	20.383	0.28
FF16	w	121	242	0.807	20.383	0.51
FF17	w	127	254	0.807	20.383	0.53
FF18	w	118	236	0.807	20.383	0.49
FF19	w	123	246	0.807	20.383	0.51
GG4	w	454	908	0.807	20.383	1.90
GG5	w	1138	2276	0.807	20.383	4.75
GG6	w	2796	5592	0.807	20.383	11.67
GG7	w	733	1466	0.807	20.383	3.06
GG8	w	470	940	0.807	20.383	1.96
GG9	w	594	1188	0.807	20.383	2.48
GG10	w	1425	2850	0.807	20.383	5.95
GG11	w	841	1682	0.807	20.383	3.51
GG12	w	522	1044	0.807	20.383	2.18

PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: F **Survey Unit: DOP** **Classification: N/A**
Building: 371 Rooms: 1117 & 1125
Survey Unit Description: Floors, Walls & Ceiling
Total Area: 679 sq. m. **Total Floor Area: 164 sq. m.**
Grid Spacing for Survey Points: 6m. X 6m.



SURVEY MAP LEGEND

- Insitu Gamma Spec Sample
- Open/Inaccessible Area
- Area in Another Survey Unit

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N

0 FEET 30
0 METERS 10

1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303-968-2289

Prepared for:

FINAL

MAP ID: 371 - 374 Survey Units[illegible]

February 2, 2004

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Survey Area: G	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 16 Bias		Nbr of measurements: 1761

Eberline Services In-situ Gamma Slab Measurements

Maximum:	5.12 nCi/g
Minimum:	0.00 nCi/g
Mean:	0.45 nCi/g
Standard Deviation:	1.19 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	9.76 nCi/g
Minimum:	1.02 nCi/g
Mean:	1.01 nCi/g
Standard Deviation:	0.61 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 5.04E+08

Total Grams WGPu: 4.15E-02

Building 371 Sub-Basement Floor Area Surveys Area (Conducted 2/28/05, 3/1/05, 3/2/05, 3/6/05)

Spectrum File ID	Room(s)	Area		SNAP Am241 Detected Activity (uCi)		SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
2280507	1103	1	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280506	1103	2	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3060534	1232	3		226		11.700	0.133	9.2	<MDA	80.15	91.85	0.390	7.0	4.465	5.117	1
3020502	1216	4	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2
2280504	1105	5		0.16		0.019	0.009	110.0	<MDA	0.13	0.15	0.390	7.0	0.007	0.008	1
3020503	1216	6	<	0.1	<	0.008	0.008	na	<MDA	0.05	0.06	0.390	7.0	0.003	0.003	2
3010503	1006	7	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280502	1115	8	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2
2280509	1101	9	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3010501	1004	10	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280503	1115	11	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2
3010513	1210	12		0.1		0.010	0.008	117.0	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	1
3010502	1006	13	<	0.3	<	0.034	0.034	na	<MDA	0.23	0.27	0.390	7.0	0.013	0.015	2
2280501	1113	14	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280508	1103	15	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280505	1105	B1		4.2		0.490	0.011	105.0	<MDA	3.36	3.85	0.390	7.0	0.187	0.214	1
3010504	1115	B2		3.8		0.437	0.017	105.0	<MDA	2.99	3.43	0.390	7.0	0.167	0.191	1
3010505	1115	B3		3.9		0.458	0.016	105.0	<MDA	3.14	3.60	0.390	7.0	0.175	0.200	1
3010506	1115	B4		3.1		0.365	0.015	105.0	<MDA	2.50	2.87	0.390	7.0	0.139	0.160	1
3010507	1115	B5		6.8		0.787	0.017	105.0	<MDA	5.39	6.18	0.390	7.0	0.300	0.344	1
3010508	1119	B6		18.4		2.140	0.037	105.0	<MDA	14.66	16.80	0.390	7.0	0.817	0.936	1
3010509	1115	B7		50.4		5.870	0.052	105.0	<MDA	40.21	46.08	0.390	7.0	2.240	2.567	1
3010510	1115	B8		16.9		1.970	0.030	105.0	<MDA	13.49	15.46	0.390	7.0	0.752	0.862	1
3010511	1105	B9		6.4		0.745	0.023	105.0	<MDA	5.10	5.85	0.390	7.0	0.284	0.326	1
3010512	1105	B10		5.9		0.688	0.025	105.0	<MDA	4.71	5.40	0.390	7.0	0.263	0.301	1
3020501	Stair 5	B11	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020504	1216	B12	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020505	1210	B13	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020306	1210	B14	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020507	1107	B15		5.3		0.618	0.025	105.0	<MDA	4.23	4.85	0.390	7.0	0.236	0.270	1
3020508	1103	B16	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2

Notes:

1) Floor survey areas are equivalent to 1 sq.meter each. Sump surveys are based upon actual dimensions of each sump. All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.85
Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

Survey Location		
Maximum	5.117	nCi/g
Mean (Average)	0.374	nCi/g
Median	0.004	nCi/g
Standard Deviation	1.010	nCi/g
n	31	
Square Root n	5.57	
TINV (0.10,n-1)	1.70	
UCL_{95}	0.681	nCi/g

Area "G"

Calculations based on methods from RE Calculation 04-RS-0041

If paint thicknesses are unknown enter .25

WGPu Areal Efficiency	30 cpm m^2/uCi		
Wall paint thickness =	0.25 in	Attenuation CF Wall	0.807
Floor paint thickness =	0.25 in	Attenuation CF Floor	0.807
Ceiling paint thickness =	0.25 in	Attenuation CF Ceiling	0.807
Contamination Depth =	1 cm	Cement Attenuation Factor Floor (Afc)=	0.842
Density of Cement =	2.35 g/cm^3		
Weight of cement in 1m^2=	23500 g	Average =	1.008
Survey Time =	0.5 min	Maximum =	9.758
Meets 100 nCi/g =	YES	Number Samples =	1781

Survey Location	Location (Enter "f" for floor, "w" for wall, or "c" for ceiling)	Counts	CPM	Attenuation CF Paint	Corrected Areal Efficiency	Surface nCi/g
O74	f	269	538	0.807	20.383	1.12
O75	f	272	544	0.807	20.383	1.14
O76	f	245	490	0.807	20.383	1.02
O77	f	240	480	0.807	20.383	1.00
O78	f	241	482	0.807	20.383	1.01
O79	f	219	438	0.807	20.383	0.91
O80	f	203	406	0.807	20.383	0.85
O81	f	192	384	0.807	20.383	0.80
O82	f	174	348	0.807	20.383	0.73
O83	f	180	360	0.807	20.383	0.75
O84	f	209	418	0.807	20.383	0.87
O85	f	178	356	0.807	20.383	0.74
O86	f	184	368	0.807	20.383	0.77
O87	f	190	380	0.807	20.383	0.79
O88	f	199	398	0.807	20.383	0.83
O89	f	163	326	0.807	20.383	0.68
O90	f	143	286	0.807	20.383	0.60
O91	f	120	240	0.807	20.383	0.50
O92	f	153	306	0.807	20.383	0.64
O93	f	168	336	0.807	20.383	0.70
O94	f	199	398	0.807	20.383	0.83
O95	f	176	352	0.807	20.383	0.73
O96	f	156	312	0.807	20.383	0.65
O97	f	183	366	0.807	20.383	0.76
O98	f	182	364	0.807	20.383	0.76
O99	f	107	214	0.807	20.383	0.45
O100	f	201	402	0.807	20.383	0.84
O101	f	202	404	0.807	20.383	0.84
O102	f	191	382	0.807	20.383	0.80
O103	f	175	350	0.807	20.383	0.73
O104	f	187	374	0.807	20.383	0.78
O105	f	162	324	0.807	20.383	0.68
O106	f	261	522	0.807	20.383	1.09
O107	f	180	360	0.807	20.383	0.75
O108	f	189	378	0.807	20.383	0.79
P74	f	249	498	0.807	20.383	1.04
P75	f	249	498	0.807	20.383	1.04
P76	f	218	436	0.807	20.383	0.91
P77	f	195	390	0.807	20.383	0.81
P78	f	212	424	0.807	20.383	0.89
P79	f	222	444	0.807	20.383	0.93
P80	f	200	400	0.807	20.383	0.84
P81	f	226	452	0.807	20.383	0.94
P82	f	261	522	0.807	20.383	1.09
P83	f	184	368	0.807	20.383	0.77
P84	f	276	552	0.807	20.383	1.15
P85	f	203	406	0.807	20.383	0.85
P86	f	203	406	0.807	20.383	0.85
P87	f	246	492	0.807	20.383	1.03
P88	f	242	484	0.807	20.383	1.01
P89	f	239	478	0.807	20.383	1.00
P90	f	201	402	0.807	20.383	0.84
P91	f	193	386	0.807	20.383	0.81
P92	f	155	310	0.807	20.383	0.65
P93	f	176	352	0.807	20.383	0.73
P94	f	258	516	0.807	20.383	1.08
P95	f	255	510	0.807	20.383	1.06
P96	f	199	398	0.807	20.383	0.83
P97	f	173	346	0.807	20.383	0.72
P98	f	254	508	0.807	20.383	1.06
P99	f	241	482	0.807	20.383	1.01
P100	f	176	352	0.807	20.383	0.73
P101	f	168	336	0.807	20.383	0.70
P102	f	159	318	0.807	20.383	0.66
P103	f	242	484	0.807	20.383	1.01
P104	f	167	334	0.807	20.383	0.70

P105	f	233	466	0.807	20.383	0.97
P106	f	248	496	0.807	20.383	1.04
P107	f	226	452	0.807	20.383	0.94
P108	f	192	384	0.807	20.383	0.80
Q74	f	204	408	0.807	20.383	0.85
Q75	f	228	456	0.807	20.383	0.95
Q76	f	223	446	0.807	20.383	0.93
Q77	f	294	588	0.807	20.383	1.23
Q78	f	220	440	0.807	20.383	0.92
Q79	f	234	468	0.807	20.383	0.98
Q80	f	227	454	0.807	20.383	0.95
Q81	f	222	444	0.807	20.383	0.93
Q83	f	270	540	0.807	20.383	1.13
Q84	f	234	468	0.807	20.383	0.98
Q85	f	243	486	0.807	20.383	1.01
Q86	f	199	398	0.807	20.383	0.83
Q87	f	234	468	0.807	20.383	0.98
Q88	f	214	428	0.807	20.383	0.89
Q89	f	205	410	0.807	20.383	0.86
Q90	f	245	490	0.807	20.383	1.02
Q91	f	234	468	0.807	20.383	0.98
Q92	f	233	466	0.807	20.383	0.97
Q93	f	243	486	0.807	20.383	1.01
Q94	f	257	514	0.807	20.383	1.07
Q95	f	248	496	0.807	20.383	1.04
Q96	f	272	544	0.807	20.383	1.14
Q97	f	258	516	0.807	20.383	1.08
Q98	f	214	428	0.807	20.383	0.89
Q99	f	245	490	0.807	20.383	1.02
Q100	f	251	502	0.807	20.383	1.05
Q101	f	242	484	0.807	20.383	1.01
Q102	f	219	438	0.807	20.383	0.91
Q103	f	219	438	0.807	20.383	0.91
Q104	f	250	500	0.807	20.383	1.04
Q105	f	227	454	0.807	20.383	0.95
Q106	f	211	422	0.807	20.383	0.88
Q107	f	198	396	0.807	20.383	0.83
Q108	f	193	386	0.807	20.383	0.81
R74	f	246	492	0.807	20.383	1.03
R75	f	259	518	0.807	20.383	1.08
R76	f	252	504	0.807	20.383	1.05
R77	f	210	420	0.807	20.383	0.88
R78	f	196	392	0.807	20.383	0.82
R79	f	222	444	0.807	20.383	0.93
R80	f	187	374	0.807	20.383	0.78
R81	f	212	424	0.807	20.383	0.89
R83	f	237	474	0.807	20.383	0.99
R84	f	245	490	0.807	20.383	1.02
R85	f	188	376	0.807	20.383	0.78
R86	f	231	462	0.807	20.383	0.96
R87	f	189	378	0.807	20.383	0.79
R88	f	202	404	0.807	20.383	0.84
R89	f	232	464	0.807	20.383	0.97
R90	f	168	336	0.807	20.383	0.70
R106	f	171	342	0.807	20.383	0.71
R107	f	221	442	0.807	20.383	0.92
R108	f	156	312	0.807	20.383	0.65
R109	f	216	432	0.807	20.383	0.90
S74	f	222	444	0.807	20.383	0.93
S75	f	198	396	0.807	20.383	0.83
S76	f	210	420	0.807	20.383	0.88
S77	f	223	446	0.807	20.383	0.93
S78	f	186	372	0.807	20.383	0.78
S79	f	205	410	0.807	20.383	0.86
S80	f	216	432	0.807	20.383	0.90
S81	f	149	298	0.807	20.383	0.62
S83	f	197	394	0.807	20.383	0.82
S84	f	202	404	0.807	20.383	0.84
S85	f	187	374	0.807	20.383	0.78
S86	f	235	470	0.807	20.383	0.98
S87	f	196	392	0.807	20.383	0.82
S88	f	199	398	0.807	20.383	0.83
S89	f	186	372	0.807	20.383	0.78
S90	f	192	384	0.807	20.383	0.80
S106	f	233	466	0.807	20.383	0.97
S107	f	189	378	0.807	20.383	0.79
S108	f	176	352	0.807	20.383	0.73
S109	f	188	376	0.807	20.383	0.78
T74	f	225	450	0.807	20.383	0.94
T75	f	211	422	0.807	20.383	0.88
T77	f	234	468	0.807	20.383	0.98
T78	f	265	530	0.807	20.383	1.11
T79	f	263	526	0.807	20.383	1.10
T80	f	228	456	0.807	20.383	0.95
T81	f	223	446	0.807	20.383	0.93
T83	f	201	402	0.807	20.383	0.84

T84	f	211	422	0.807	20.383	0.88
T85	f	189	378	0.807	20.383	0.79
T86	f	230	460	0.807	20.383	0.96
T87	f	207	414	0.807	20.383	0.86
T88	f	216	432	0.807	20.383	0.90
T89	f	186	372	0.807	20.383	0.78
T90	f	192	384	0.807	20.383	0.80
T106	f	237	474	0.807	20.383	0.99
T107	f	176	352	0.807	20.383	0.73
T108	f	196	392	0.807	20.383	0.82
T109	f	190	380	0.807	20.383	0.79
U74	f	231	462	0.807	20.383	0.96
U75	f	207	414	0.807	20.383	0.86
U76	f	259	518	0.807	20.383	1.08
U77	f	241	482	0.807	20.383	1.01
U78	f	226	452	0.807	20.383	0.94
U79	f	231	462	0.807	20.383	0.96
U80	f	254	508	0.807	20.383	1.06
U81	f	239	478	0.807	20.383	1.00
U83	f	195	390	0.807	20.383	0.81
U84	f	199	398	0.807	20.383	0.83
U85	f	181	362	0.807	20.383	0.76
U86	f	201	402	0.807	20.383	0.84
U87	f	294	588	0.807	20.383	1.23
U88	f	216	432	0.807	20.383	0.90
U89	f	187	374	0.807	20.383	0.78
U90	f	187	374	0.807	20.383	0.78
U106	f	215	430	0.807	20.383	0.90
U107	f	252	504	0.807	20.383	1.05
U108	f	174	348	0.807	20.383	0.73
U109	f	186	372	0.807	20.383	0.78
V74	f	215	430	0.807	20.383	0.90
V75	f	223	446	0.807	20.383	0.93
V76	f	217	434	0.807	20.383	0.91
V77	f	191	382	0.807	20.383	0.80
V78	f	202	404	0.807	20.383	0.84
V79	f	210	420	0.807	20.383	0.88
V80	f	196	392	0.807	20.383	0.82
V81	f	197	394	0.807	20.383	0.82
V83	f	196	392	0.807	20.383	0.82
V84	f	201	402	0.807	20.383	0.84
V85	f	172	344	0.807	20.383	0.72
V86	f	187	374	0.807	20.383	0.78
V87	f	198	396	0.807	20.383	0.83
V88	f	201	402	0.807	20.383	0.84
V89	f	169	338	0.807	20.383	0.71
V90	f	181	362	0.807	20.383	0.76
V106	f	234	468	0.807	20.383	0.98
V107	f	245	490	0.807	20.383	1.02
V108	f	183	366	0.807	20.383	0.76
V109	f	177	354	0.807	20.383	0.74
W74	f	249	498	0.807	20.383	1.04
W75	f	242	484	0.807	20.383	1.01
W76	f	246	492	0.807	20.383	1.03
W77	f	241	482	0.807	20.383	1.01
W78	f	131	262	0.807	20.383	0.55
W79	f	248	496	0.807	20.383	1.04
W80	f	226	452	0.807	20.383	0.94
W81	f	185	370	0.807	20.383	0.77
W83	f	191	382	0.807	20.383	0.80
W84	f	198	396	0.807	20.383	0.83
W85	f	204	408	0.807	20.383	0.85
W86	f	217	434	0.807	20.383	0.91
W87	f	203	406	0.807	20.383	0.85
W88	f	186	372	0.807	20.383	0.78
W89	f	195	390	0.807	20.383	0.81
W90	f	197	394	0.807	20.383	0.82
W91	f	209	418	0.807	20.383	0.87
W92	f	211	422	0.807	20.383	0.88
W93	f	213	426	0.807	20.383	0.89
W94	f	226	452	0.807	20.383	0.94
W95	f	235	470	0.807	20.383	0.98
W96	f	218	436	0.807	20.383	0.91
W97	f	221	442	0.807	20.383	0.92
W106	f	243	486	0.807	20.383	1.01
W107	f	176	352	0.807	20.383	0.73
W108	f	167	334	0.807	20.383	0.70
W109	f	178	356	0.807	20.383	0.74
X57	f	228	456	0.807	20.383	0.95
X70	f	273	546	0.807	20.383	1.14
X71	f	265	530	0.807	20.383	1.11
X72	f	204	408	0.807	20.383	0.85
X74	f	204	408	0.807	20.383	0.85
X75	f	203	406	0.807	20.383	0.85
X76	f	192	384	0.807	20.383	0.80
X77	f	237	474	0.807	20.383	0.99

X78	f	238	476	0.807	20.383	0.99
X79	f	200	400	0.807	20.383	0.84
X80	f	223	446	0.807	20.383	0.93
X81	f	236	472	0.807	20.383	0.99
X83	f	126	252	0.807	20.383	0.53
X84	f	233	466	0.807	20.383	0.97
X85	f	207	414	0.807	20.383	0.86
X86	f	126	252	0.807	20.383	0.53
X87	f	145	290	0.807	20.383	0.61
X88	f	150	300	0.807	20.383	0.63
X89	f	186	372	0.807	20.383	0.78
X90	f	149	298	0.807	20.383	0.62
X91	f	186	372	0.807	20.383	0.78
X92	f	201	402	0.807	20.383	0.84
X93	f	149	298	0.807	20.383	0.62
X94	f	240	480	0.807	20.383	1.00
X95	f	215	430	0.807	20.383	0.90
X96	f	175	350	0.807	20.383	0.73
X97	f	232	464	0.807	20.383	0.97
X106	f	245	490	0.807	20.383	1.02
X107	f	245	490	0.807	20.383	1.02
X108	f	173	346	0.807	20.383	0.72
X109	f	186	372	0.807	20.383	0.78
Y57	f	194	388	0.807	20.383	0.81
Y70	f	236	472	0.807	20.383	0.99
Y71	f	229	458	0.807	20.383	0.96
Y72	f	248	496	0.807	20.383	1.04
Y74	f	208	416	0.807	20.383	0.87
Y75	f	259	518	0.807	20.383	1.08
Y76	f	220	440	0.807	20.383	0.92
Y77	f	234	468	0.807	20.383	0.98
Y78	f	253	506	0.807	20.383	1.06
Y79	f	231	462	0.807	20.383	0.96
Y80	f	241	482	0.807	20.383	1.01
Y81	f	236	472	0.807	20.383	0.99
Y83	f	211	422	0.807	20.383	0.88
Y84	f	207	414	0.807	20.383	0.86
Y85	f	197	394	0.807	20.383	0.82
Y86	f	154	308	0.807	20.383	0.64
Y87	f	168	336	0.807	20.383	0.70
Y88	f	170	340	0.807	20.383	0.71
Y89	f	164	328	0.807	20.383	0.68
Y90	f	161	322	0.807	20.383	0.67
Y91	f	194	388	0.807	20.383	0.81
Y106	f	214	428	0.807	20.383	0.89
Y107	f	230	460	0.807	20.383	0.96
Y108	f	180	360	0.807	20.383	0.75
Y109	f	196	392	0.807	20.383	0.82
Z57	f	194	388	0.807	20.383	0.81
Z70	f	236	472	0.807	20.383	0.99
Z71	f	229	458	0.807	20.383	0.96
Z72	f	248	496	0.807	20.383	1.04
Z74	f	208	416	0.807	20.383	0.87
Z75	f	259	518	0.807	20.383	1.08
Z76	f	220	440	0.807	20.383	0.92
Z77	f	234	468	0.807	20.383	0.98
Z78	f	253	506	0.807	20.383	1.06
Z79	f	231	462	0.807	20.383	0.96
Z80	f	241	482	0.807	20.383	1.01
Z81	f	236	472	0.807	20.383	0.99
Z83	f	211	422	0.807	20.383	0.88
Z84	f	207	414	0.807	20.383	0.86
Z85	f	197	394	0.807	20.383	0.82
Z86	f	154	308	0.807	20.383	0.64
Z87	f	168	336	0.807	20.383	0.70
Z88	f	170	340	0.807	20.383	0.71
Z89	f	164	328	0.807	20.383	0.68
Z90	f	161	322	0.807	20.383	0.67
Z91	f	194	388	0.807	20.383	0.81
Z106	f	214	428	0.807	20.383	0.89
Z107	f	230	460	0.807	20.383	0.96
Z108	f	180	360	0.807	20.383	0.75
Z109	f	196	392	0.807	20.383	0.82
Z57	f	232	464	0.807	20.383	0.97
Z70	f	203	406	0.807	20.383	0.85
Z71	f	272	544	0.807	20.383	1.14
Z72	f	223	446	0.807	20.383	0.93
Z74	f	205	410	0.807	20.383	0.86
Z75	f	210	420	0.807	20.383	0.88
Z76	f	200	400	0.807	20.383	0.84
Z77	f	203	406	0.807	20.383	0.85
Z78	f	187	374	0.807	20.383	0.78
Z79	f	196	392	0.807	20.383	0.82
Z80	f	207	414	0.807	20.383	0.86
Z81	f	192	384	0.807	20.383	0.80
Z83	f	149	298	0.807	20.383	0.62

Z84	f	163	326	0.807	20.383	0.68
Z85	f	239	478	0.807	20.383	1.00
Z86	f	233	466	0.807	20.383	0.97
Z87	f	230	460	0.807	20.383	0.96
Z88	f	242	484	0.807	20.383	1.01
Z89	f	207	414	0.807	20.383	0.86
Z90	f	238	476	0.807	20.383	0.99
Z91	f	214	428	0.807	20.383	0.89
Z106	f	241	482	0.807	20.383	1.01
Z107	f	182	364	0.807	20.383	0.76
Z108	f	192	384	0.807	20.383	0.80
Z109	f	183	366	0.807	20.383	0.76
AA57	f	228	456	0.807	20.383	0.95
AA58	f	299	598	0.807	20.383	1.25
AA59	f	247	494	0.807	20.383	1.03
AA60	f	269	538	0.807	20.383	1.12
AA61	f	226	452	0.807	20.383	0.94
AA62	f	258	516	0.807	20.383	1.08
AA63	f	224	448	0.807	20.383	0.94
AA64	f	245	490	0.807	20.383	1.02
AA65	f	215	430	0.807	20.383	0.90
AA66	f	245	490	0.807	20.383	1.02
AA67	f	241	482	0.807	20.383	1.01
AA68	f	264	528	0.807	20.383	1.10
AA69	f	229	458	0.807	20.383	0.96
AA70	f	230	460	0.807	20.383	0.96
AA71	f	236	472	0.807	20.383	0.99
AA72	f	264	528	0.807	20.383	1.10
AA74	f	225	450	0.807	20.383	0.94
AA75	f	241	482	0.807	20.383	1.01
AA76	f	230	460	0.807	20.383	0.96
AA77	f	237	474	0.807	20.383	0.99
AA78	f	222	444	0.807	20.383	0.93
AA79	f	234	468	0.807	20.383	0.98
AA80	f	224	448	0.807	20.383	0.94
AA81	f	228	456	0.807	20.383	0.95
AA83	f	163	326	0.807	20.383	0.68
AA84	f	201	402	0.807	20.383	0.84
AA85	f	154	308	0.807	20.383	0.64
AA86	f	141	282	0.807	20.383	0.59
AA87	f	229	458	0.807	20.383	0.96
AA88	f	232	464	0.807	20.383	0.97
AA89	f	254	508	0.807	20.383	1.06
AA90	f	247	494	0.807	20.383	1.03
AA91	f	216	432	0.807	20.383	0.90
AA92	f	224	448	0.807	20.383	0.94
AA93	f	226	452	0.807	20.383	0.94
AA94	f	199	398	0.807	20.383	0.83
AA95	f	209	418	0.807	20.383	0.87
AA96	f	183	366	0.807	20.383	0.76
AA97	f	190	380	0.807	20.383	0.79
AA106	f	251	502	0.807	20.383	1.05
AA107	f	189	378	0.807	20.383	0.79
AA108	f	179	358	0.807	20.383	0.75
AA109	f	180	360	0.807	20.383	0.75
AB57	f	203	406	0.807	20.383	0.85
AB58	f	228	456	0.807	20.383	0.95
AB59	f	247	494	0.807	20.383	1.03
AB60	f	225	450	0.807	20.383	0.94
AB61	f	227	454	0.807	20.383	0.95
AB62	f	222	444	0.807	20.383	0.93
AB63	f	228	456	0.807	20.383	0.95
AB64	f	245	490	0.807	20.383	1.02
AB65	f	240	480	0.807	20.383	1.00
AB66	f	221	442	0.807	20.383	0.92
AB67	f	231	462	0.807	20.383	0.96
AB68	f	235	470	0.807	20.383	0.98
AB69	f	244	488	0.807	20.383	1.02
AB70	f	235	470	0.807	20.383	0.98
AB71	f	251	502	0.807	20.383	1.05
AB72	f	216	432	0.807	20.383	0.90
AB74	f	211	422	0.807	20.383	0.88
AB75	f	236	472	0.807	20.383	0.99
AB76	f	203	406	0.807	20.383	0.85
AB77	f	188	376	0.807	20.383	0.78
AB78	f	196	392	0.807	20.383	0.82
AB79	f	200	400	0.807	20.383	0.84
AB80	f	202	404	0.807	20.383	0.84
AB81	f	196	392	0.807	20.383	0.82
AB83	f	199	398	0.807	20.383	0.83
AB84	f	176	352	0.807	20.383	0.73
AB85	f	108	216	0.807	20.383	0.45
AB86	f	238	476	0.807	20.383	0.99
AB87	f	185	370	0.807	20.383	0.77
AB88	f	175	350	0.807	20.383	0.73
AB89	f	183	366	0.807	20.383	0.76

AB90	f	199	398	0.807	20.383	0.83
AB91	f	167	334	0.807	20.383	0.70
AB92	f	165	330	0.807	20.383	0.69
AB93	f	169	338	0.807	20.383	0.71
AB94	f	164	328	0.807	20.383	0.68
AB95	f	156	312	0.807	20.383	0.65
AB96	f	181	362	0.807	20.383	0.76
AB97	f	190	380	0.807	20.383	0.79
AB106	f	221	442	0.807	20.383	0.92
AB107	f	196	392	0.807	20.383	0.82
AB108	f	187	374	0.807	20.383	0.78
AB109	f	183	366	0.807	20.383	0.76
AC57	f	223	446	0.807	20.383	0.93
AC58	f	263	526	0.807	20.383	1.10
AC59	f	231	462	0.807	20.383	0.96
AC60	f	222	444	0.807	20.383	0.93
AC61	f	238	476	0.807	20.383	0.99
AC62	f	221	442	0.807	20.383	0.92
AC63	f	236	472	0.807	20.383	0.99
AC64	f	237	474	0.807	20.383	0.99
AC65	f	244	488	0.807	20.383	1.02
AC66	f	236	472	0.807	20.383	0.99
AC67	f	256	512	0.807	20.383	1.07
AC68	f	243	486	0.807	20.383	1.01
AC69	f	251	502	0.807	20.383	1.05
AC70	f	275	550	0.807	20.383	1.15
AC71	f	219	438	0.807	20.383	0.91
AC72	f	226	452	0.807	20.383	0.94
AC74	f	207	414	0.807	20.383	0.86
AC75	f	270	540	0.807	20.383	1.13
AC76	f	194	388	0.807	20.383	0.81
AC77	f	227	454	0.807	20.383	0.95
AC78	f	209	418	0.807	20.383	0.87
AC79	f	237	474	0.807	20.383	0.99
AC80	f	201	402	0.807	20.383	0.84
AC81	f	206	412	0.807	20.383	0.86
AC83	f	211	422	0.807	20.383	0.88
AC84	f	189	378	0.807	20.383	0.79
AC85	f	197	394	0.807	20.383	0.82
AC86	f	216	432	0.807	20.383	0.90
AC87	f	195	390	0.807	20.383	0.81
AC88	f	189	378	0.807	20.383	0.79
AC89	f	221	442	0.807	20.383	0.92
AC90	f	237	474	0.807	20.383	0.99
AC91	f	217	434	0.807	20.383	0.91
AC92	f	207	414	0.807	20.383	0.86
AC93	f	205	410	0.807	20.383	0.86
AC94	f	221	442	0.807	20.383	0.92
AC95	f	236	472	0.807	20.383	0.99
AC96	f	207	414	0.807	20.383	0.86
AC97	f	219	438	0.807	20.383	0.91
AC106	f	236	472	0.807	20.383	0.99
AC107	f	184	368	0.807	20.383	0.77
AC108	f	197	394	0.807	20.383	0.82
AC109	f	221	442	0.807	20.383	0.92
AD5	f	168	336	0.807	20.383	0.70
AD6	f	171	342	0.807	20.383	0.71
AD7	f	177	354	0.807	20.383	0.74
AD8	f	174	348	0.807	20.383	0.73
AD9	f	153	306	0.807	20.383	0.64
AD10	f	158	316	0.807	20.383	0.66
AD11	f	158	316	0.807	20.383	0.66
AD12	f	140	280	0.807	20.383	0.58
AD13	f	154	308	0.807	20.383	0.64
AD14	f	147	294	0.807	20.383	0.61
AD106	f	230	460	0.807	20.383	0.96
AD107	f	256	512	0.807	20.383	1.07
AD108	f	181	362	0.807	20.383	0.76
AD109	f	211	422	0.807	20.383	0.88
AE5	f	177	354	0.807	20.383	0.74
AE6	f	161	322	0.807	20.383	0.67
AE7	f	171	342	0.807	20.383	0.71
AE8	f	161	322	0.807	20.383	0.67
AE9	f	126	252	0.807	20.383	0.53
AE10	f	170	340	0.807	20.383	0.71
AE11	f	192	384	0.807	20.383	0.80
AE106	f	220	440	0.807	20.383	0.92
AE107	f	240	480	0.807	20.383	1.00
AE108	f	170	340	0.807	20.383	0.71
AE109	f	186	372	0.807	20.383	0.78
AF5	f	172	344	0.807	20.383	0.72
AF6	f	176	352	0.807	20.383	0.73
AF7	f	179	358	0.807	20.383	0.75
AF8	f	190	380	0.807	20.383	0.79
AF9	f	141	282	0.807	20.383	0.59
AF10	f	168	336	0.807	20.383	0.70

AF11	f	178	356	0.807	20.383	0.74
AF12	f	169	338	0.807	20.383	0.71
AF13	f	168	336	0.807	20.383	0.70
AF106	f	204	408	0.807	20.383	0.85
AF107	f	193	386	0.807	20.383	0.81
AF108	f	177	354	0.807	20.383	0.74
AF109	f	189	378	0.807	20.383	0.79
AG5	f	176	352	0.807	20.383	0.73
AG6	f	198	396	0.807	20.383	0.83
AG7	f	190	380	0.807	20.383	0.79
AG8	f	154	308	0.807	20.383	0.64
AG9	f	162	324	0.807	20.383	0.68
AG10	f	145	290	0.807	20.383	0.61
AG11	f	156	312	0.807	20.383	0.65
AG12	f	174	348	0.807	20.383	0.73
AG13	f	161	322	0.807	20.383	0.67
AG106	f	243	486	0.807	20.383	1.01
AG107	f	180	360	0.807	20.383	0.75
AG108	f	205	410	0.807	20.383	0.86
AG109	f	196	392	0.807	20.383	0.82
AH5	f	147	294	0.807	20.383	0.61
AH53	f	186	372	0.807	20.383	0.78
AH54	f	191	382	0.807	20.383	0.80
AH55	f	211	422	0.807	20.383	0.88
AH56	f	199	398	0.807	20.383	0.83
AH57	f	207	414	0.807	20.383	0.86
AH58	f	186	372	0.807	20.383	0.78
AH59	f	172	344	0.807	20.383	0.72
AH60	f	183	366	0.807	20.383	0.76
AH61	f	194	388	0.807	20.383	0.81
AH62	f	186	372	0.807	20.383	0.78
AH63	f	171	342	0.807	20.383	0.71
AH64	f	187	374	0.807	20.383	0.78
AH65	f	181	362	0.807	20.383	0.76
AH66	f	187	374	0.807	20.383	0.78
AH67	f	185	370	0.807	20.383	0.77
AH68	f	172	344	0.807	20.383	0.72
AH69	f	170	340	0.807	20.383	0.71
AH70	f	169	338	0.807	20.383	0.71
AH71	f	180	360	0.807	20.383	0.75
AH72	f	192	384	0.807	20.383	0.80
AH74	f	162	324	0.807	20.383	0.68
AH75	f	201	402	0.807	20.383	0.84
AH76	f	211	422	0.807	20.383	0.88
AH77	f	196	392	0.807	20.383	0.82
AH78	f	181	362	0.807	20.383	0.76
AH79	f	172	344	0.807	20.383	0.72
AH80	f	229	458	0.807	20.383	0.96
AH81	f	196	392	0.807	20.383	0.82
AH83	f	211	422	0.807	20.383	0.88
AH84	f	219	438	0.807	20.383	0.91
AH85	f	234	468	0.807	20.383	0.98
AH86	f	186	372	0.807	20.383	0.78
AH87	f	174	348	0.807	20.383	0.73
AH88	f	221	442	0.807	20.383	0.92
AH89	f	196	392	0.807	20.383	0.82
AH90	f	219	438	0.807	20.383	0.91
AH92	f	202	404	0.807	20.383	0.84
AH93	f	187	374	0.807	20.383	0.78
AH94	f	181	362	0.807	20.383	0.76
AH95	f	209	418	0.807	20.383	0.87
AH96	f	192	384	0.807	20.383	0.80
AH97	f	186	372	0.807	20.383	0.78
AH98	f	172	344	0.807	20.383	0.72
AH99	f	186	372	0.807	20.383	0.78
AH101	f	192	384	0.807	20.383	0.80
AH102	f	180	360	0.807	20.383	0.75
AH103	f	173	346	0.807	20.383	0.72
AH105	f	179	358	0.807	20.383	0.75
AH106	f	217	434	0.807	20.383	0.91
AH107	f	232	464	0.807	20.383	0.97
AH108	f	183	366	0.807	20.383	0.76
AH109	f	210	420	0.807	20.383	0.88
AI5	f	173	346	0.807	20.383	0.72
AI6	f	177	354	0.807	20.383	0.74
AI7	f	184	368	0.807	20.383	0.77
AI8	f	234	468	0.807	20.383	0.98
AI53	f	455	910	0.807	20.383	1.90
AI54	f	1424	2848	0.807	20.383	5.95
AI55	f	291	582	0.807	20.383	1.22
AI56	f	274	548	0.807	20.383	1.14
AI57	f	259	518	0.807	20.383	1.08
AI58	f	249	498	0.807	20.383	1.04
AI59	f	262	524	0.807	20.383	1.09
AI60	f	258	516	0.807	20.383	1.08
AI61	f	283	566	0.807	20.383	1.18

AI62	f	249	498	0.807	20.383	1.04
AI63	f	267	534	0.807	20.383	1.11
AI64	f	284	568	0.807	20.383	1.19
AI65	f	225	450	0.807	20.383	0.94
AI66	f	237	474	0.807	20.383	0.99
AI67	f	294	588	0.807	20.383	1.23
AI68	f	255	510	0.807	20.383	1.06
AI69	f	272	544	0.807	20.383	1.14
AI70	f	256	512	0.807	20.383	1.07
AI71	f	231	462	0.807	20.383	0.96
AI72	f	256	512	0.807	20.383	1.07
AI73	f	260	520	0.807	20.383	1.09
AI74	f	258	516	0.807	20.383	1.08
AI75	f	244	488	0.807	20.383	1.02
AI76	f	263	526	0.807	20.383	1.10
AI77	f	243	486	0.807	20.383	1.01
AI78	f	241	482	0.807	20.383	1.01
AI79	f	291	582	0.807	20.383	1.22
AI80	f	274	548	0.807	20.383	1.14
AI81	f	243	486	0.807	20.383	1.01
AI82	f	251	502	0.807	20.383	1.05
AI83	f	255	510	0.807	20.383	1.06
AI84	f	220	440	0.807	20.383	0.92
AI85	f	195	390	0.807	20.383	0.81
AI86	f	197	394	0.807	20.383	0.82
AI87	f	182	364	0.807	20.383	0.76
AI88	f	197	394	0.807	20.383	0.82
AI89	f	191	382	0.807	20.383	0.80
AI90	f	256	512	0.807	20.383	1.07
AI91	f	186	372	0.807	20.383	0.78
AI92	f	213	426	0.807	20.383	0.89
AI93	f	195	390	0.807	20.383	0.81
AI94	f	210	420	0.807	20.383	0.88
AI95	f	229	458	0.807	20.383	0.96
AI96	f	239	478	0.807	20.383	1.00
AI97	f	225	450	0.807	20.383	0.94
AI98	f	273	546	0.807	20.383	1.14
AI99	f	253	506	0.807	20.383	1.06
AI100	f	239	478	0.807	20.383	1.00
AI101	f	219	438	0.807	20.383	0.91
AI102	f	257	514	0.807	20.383	1.07
AI103	f	226	452	0.807	20.383	0.94
AI104	f	201	402	0.807	20.383	0.84
AI105	f	216	432	0.807	20.383	0.90
AI106	f	221	442	0.807	20.383	0.92
AI107	f	227	454	0.807	20.383	0.95
AI108	f	108	216	0.807	20.383	0.45
AI109	f	126	252	0.807	20.383	0.53
AJ5	f	169	338	0.807	20.383	0.71
AJ6	f	167	334	0.807	20.383	0.70
AJ7	f	132	264	0.807	20.383	0.55
AJ8	f	152	304	0.807	20.383	0.63
AJ53	f	351	702	0.807	20.383	1.47
AJ54	f	401	802	0.807	20.383	1.67
AJ55	f	347	694	0.807	20.383	1.45
AJ56	f	253	506	0.807	20.383	1.06
AJ57	f	239	478	0.807	20.383	1.00
AJ58	f	239	478	0.807	20.383	1.00
AJ59	f	244	488	0.807	20.383	1.02
AJ60	f	246	492	0.807	20.383	1.03
AJ61	f	249	498	0.807	20.383	1.04
AJ62	f	270	540	0.807	20.383	1.13
AJ63	f	270	540	0.807	20.383	1.13
AJ64	f	251	502	0.807	20.383	1.05
AJ65	f	259	518	0.807	20.383	1.08
AJ66	f	281	562	0.807	20.383	1.17
AJ67	f	251	502	0.807	20.383	1.05
AJ68	f	265	530	0.807	20.383	1.11
AJ69	f	265	530	0.807	20.383	1.11
AJ70	f	259	518	0.807	20.383	1.08
AJ71	f	261	522	0.807	20.383	1.09
AJ72	f	273	546	0.807	20.383	1.14
AJ73	f	274	548	0.807	20.383	1.14
AJ74	f	244	488	0.807	20.383	1.02
AJ75	f	271	542	0.807	20.383	1.13
AJ76	f	251	502	0.807	20.383	1.05
AJ77	f	242	484	0.807	20.383	1.01
AJ78	f	270	540	0.807	20.383	1.13
AJ79	f	249	498	0.807	20.383	1.04
AJ80	f	269	538	0.807	20.383	1.12
AJ81	f	262	524	0.807	20.383	1.09
AJ82	f	281	562	0.807	20.383	1.17
AJ83	f	260	520	0.807	20.383	1.09
AJ84	f	264	528	0.807	20.383	1.10
AJ85	f	187	374	0.807	20.383	0.78
AJ86	f	178	356	0.807	20.383	0.74

AJ87	f	186	372	0.807	20.383	0.78
AJ88	f	250	500	0.807	20.383	1.04
AJ89	f	212	424	0.807	20.383	0.89
AJ90	f	245	490	0.807	20.383	1.02
AJ91	f	208	416	0.807	20.383	0.87
AJ92	f	215	430	0.807	20.383	0.90
AJ93	f	187	374	0.807	20.383	0.78
AJ94	f	220	440	0.807	20.383	0.92
AJ95	f	173	346	0.807	20.383	0.72
AJ96	f	151	302	0.807	20.383	0.63
AJ97	f	185	370	0.807	20.383	0.77
AJ98	f	194	388	0.807	20.383	0.81
AJ99	f	208	416	0.807	20.383	0.87
AJ100	f	197	394	0.807	20.383	0.82
AJ101	f	209	418	0.807	20.383	0.87
AJ102	f	218	436	0.807	20.383	0.91
AJ103	f	217	434	0.807	20.383	0.91
AJ104	f	161	322	0.807	20.383	0.67
AJ105	f	179	358	0.807	20.383	0.75
AJ106	f	183	366	0.807	20.383	0.76
AJ107	f	174	348	0.807	20.383	0.73
AJ108	f	186	372	0.807	20.383	0.78
AJ109	f	179	358	0.807	20.383	0.75
AK5	f	180	360	0.807	20.383	0.75
AK6	f	189	378	0.807	20.383	0.79
AK7	f	170	340	0.807	20.383	0.71
AK8	f	168	336	0.807	20.383	0.70
AK53	f	276	552	0.807	20.383	1.15
AK65	f	223	446	0.807	20.383	0.93
AK74	f	260	520	0.807	20.383	1.09
AK75	f	284	568	0.807	20.383	1.19
AK76	f	253	506	0.807	20.383	1.06
AK77	f	273	546	0.807	20.383	1.14
AK78	f	283	566	0.807	20.383	1.18
AK79	f	260	520	0.807	20.383	1.09
AK80	f	281	562	0.807	20.383	1.17
AK81	f	253	506	0.807	20.383	1.06
AK83	f	229	458	0.807	20.383	0.96
AK84	f	260	520	0.807	20.383	1.09
AK85	f	298	596	0.807	20.383	1.24
AK86	f	283	566	0.807	20.383	1.18
AK87	f	267	534	0.807	20.383	1.11
AK88	f	161	322	0.807	20.383	0.67
AK89	f	166	332	0.807	20.383	0.69
AK90	f	268	536	0.807	20.383	1.12
AK91	f	191	382	0.807	20.383	0.80
AK92	f	204	408	0.807	20.383	0.85
AK93	f	163	326	0.807	20.383	0.68
AK94	f	248	496	0.807	20.383	1.04
AK95	f	172	344	0.807	20.383	0.72
AK96	f	201	402	0.807	20.383	0.84
AK97	f	178	356	0.807	20.383	0.74
AK98	f	265	530	0.807	20.383	1.11
AK99	f	251	502	0.807	20.383	1.05
AK100	f	237	474	0.807	20.383	0.99
AK101	f	233	466	0.807	20.383	0.97
AK102	f	229	458	0.807	20.383	0.96
AK103	f	238	476	0.807	20.383	0.99
AK104	f	227	454	0.807	20.383	0.95
AK105	f	219	438	0.807	20.383	0.91
AK106	f	247	494	0.807	20.383	1.03
AK107	f	222	444	0.807	20.383	0.93
AK108	f	201	402	0.807	20.383	0.84
AK109	f	199	398	0.807	20.383	0.83
AL5	f	175	350	0.807	20.383	0.73
AL6	f	161	322	0.807	20.383	0.67
AL7	f	174	348	0.807	20.383	0.73
AL8	f	179	358	0.807	20.383	0.75
AL53	f	264	528	0.807	20.383	1.10
AL65	f	256	512	0.807	20.383	1.07
AL74	f	242	484	0.807	20.383	1.01
AL75	f	215	430	0.807	20.383	0.90
AL76	f	270	540	0.807	20.383	1.13
AL77	f	266	532	0.807	20.383	1.11
AL78	f	261	522	0.807	20.383	1.09
AL79	f	257	514	0.807	20.383	1.07
AL80	f	264	528	0.807	20.383	1.10
AL81	f	278	556	0.807	20.383	1.16
AL82	f	239	478	0.807	20.383	1.00
AL83	f	258	516	0.807	20.383	1.08
AL84	f	250	500	0.807	20.383	1.04
AL85	f	235	470	0.807	20.383	0.98
AL86	f	1049	2098	0.807	20.383	4.38
AL87	f	189	378	0.807	20.383	0.79
AL88	f	265	530	0.807	20.383	1.11
AL89	f	197	394	0.807	20.383	0.82

AL90	f	273	546	0.807	20,383	1.14
AL91	f	187	374	0.807	20,383	0.78
AL92	f	235	470	0.807	20,383	0.98
AL93	f	201	402	0.807	20,383	0.84
AL94	f	196	392	0.807	20,383	0.82
AL95	f	250	500	0.807	20,383	1.04
AL96	f	182	364	0.807	20,383	0.76
AL97	f	249	498	0.807	20,383	1.04
AL98	f	228	456	0.807	20,383	0.95
AL99	f	163	326	0.807	20,383	0.68
AL100	f	165	330	0.807	20,383	0.69
AL101	f	175	350	0.807	20,383	0.73
AL102	f	155	310	0.807	20,383	0.65
AL103	f	231	462	0.807	20,383	0.96
AL104	f	244	488	0.807	20,383	1.02
AL105	f	257	514	0.807	20,383	1.07
AL106	f	212	424	0.807	20,383	0.89
AL107	f	219	438	0.807	20,383	0.91
AL108	f	206	412	0.807	20,383	0.86
AL109	f	195	390	0.807	20,383	0.81
AM5	f	136	272	0.807	20,383	0.57
AM6	f	156	312	0.807	20,383	0.65
AM7	f	169	338	0.807	20,383	0.71
AM8	f	154	308	0.807	20,383	0.64
AM53	f	253	506	0.807	20,383	1.06
AM65	f	263	526	0.807	20,383	1.10
AM74	f	252	504	0.807	20,383	1.05
AM75	f	290	580	0.807	20,383	1.21
AM76	f	280	560	0.807	20,383	1.17
AM77	f	259	518	0.807	20,383	1.08
AM78	f	223	446	0.807	20,383	0.93
AM79	f	231	462	0.807	20,383	0.96
AM80	f	263	526	0.807	20,383	1.10
AM81	f	293	586	0.807	20,383	1.22
AM82	f	271	542	0.807	20,383	1.13
AM83	f	277	554	0.807	20,383	1.16
AM84	f	284	568	0.807	20,383	1.19
AM85	f	180	360	0.807	20,383	0.75
AM86	f	282	564	0.807	20,383	1.18
AM87	f	240	480	0.807	20,383	1.00
AM88	f	165	330	0.807	20,383	0.69
AM89	f	179	358	0.807	20,383	0.75
AM90	f	247	494	0.807	20,383	1.03
AM91	f	186	372	0.807	20,383	0.78
AM92	f	241	482	0.807	20,383	1.01
AM93	f	186	372	0.807	20,383	0.78
AM94	f	223	446	0.807	20,383	0.93
AM95	f	183	366	0.807	20,383	0.76
AM96	f	181	362	0.807	20,383	0.76
AM97	f	177	354	0.807	20,383	0.74
AM98	f	239	478	0.807	20,383	1.00
AM99	f	262	524	0.807	20,383	1.09
AM100	f	226	452	0.807	20,383	0.94
AM101	f	241	482	0.807	20,383	1.01
AM102	f	234	468	0.807	20,383	0.98
AM103	f	226	452	0.807	20,383	0.94
AM104	f	241	482	0.807	20,383	1.01
AM105	f	221	442	0.807	20,383	0.92
AM106	f	217	434	0.807	20,383	0.91
AM107	f	211	422	0.807	20,383	0.88
AM108	f	207	414	0.807	20,383	0.86
AM109	f	197	394	0.807	20,383	0.82
AN74	f	279	558	0.807	20,383	1.16
AN75	f	236	472	0.807	20,383	0.99
AN76	f	273	546	0.807	20,383	1.14
AN77	f	245	490	0.807	20,383	1.02
AN78	f	264	528	0.807	20,383	1.10
AN79	f	234	468	0.807	20,383	0.98
AN80	f	254	508	0.807	20,383	1.06
AN81	f	248	496	0.807	20,383	1.04
AN82	f	259	518	0.807	20,383	1.08
AN83	f	258	516	0.807	20,383	1.08
AN84	f	247	494	0.807	20,383	1.03
AN85	f	274	548	0.807	20,383	1.14
AN86	f	183	366	0.807	20,383	0.76
AN87	f	179	358	0.807	20,383	0.75
AN88	f	236	472	0.807	20,383	0.99
AN89	f	154	308	0.807	20,383	0.64
AN90	f	248	496	0.807	20,383	1.04
AN91	f	211	422	0.807	20,383	0.88
AN92	f	255	510	0.807	20,383	1.06
AN93	f	203	406	0.807	20,383	0.85
AN94	f	246	492	0.807	20,383	1.03
AN95	f	256	512	0.807	20,383	1.07
AN96	f	249	498	0.807	20,383	1.04
AN97	f	228	456	0.807	20,383	0.95

AN98	f	221	442	0.807	20.383	0.92
AN99	f	241	482	0.807	20.383	1.01
AN100	f	236	472	0.807	20.383	0.99
AN101	f	239	478	0.807	20.383	1.00
AN102	f	246	492	0.807	20.383	1.03
AN103	f	217	434	0.807	20.383	0.91
AN104	f	224	448	0.807	20.383	0.94
AN105	f	199	398	0.807	20.383	0.83
AN106	f	211	422	0.807	20.383	0.88
AN107	f	196	392	0.807	20.383	0.82
AN108	f	211	422	0.807	20.383	0.88
AN109	f	209	418	0.807	20.383	0.87
AO74	f	261	522	0.807	20.383	1.09
AO75	f	261	522	0.807	20.383	1.09
AO76	f	242	484	0.807	20.383	1.01
AO77	f	295	590	0.807	20.383	1.23
AO78	f	256	512	0.807	20.383	1.07
AO79	f	267	534	0.807	20.383	1.11
AO80	f	260	520	0.807	20.383	1.09
AO81	f	230	460	0.807	20.383	0.96
AO82	f	236	472	0.807	20.383	0.99
AO83	f	262	524	0.807	20.383	1.09
AO84	f	251	502	0.807	20.383	1.05
AO85	f	239	478	0.807	20.383	1.00
AO86	f	343	686	0.807	20.383	1.43
AO87	f	147	294	0.807	20.383	0.61
AO88	f	161	322	0.807	20.383	0.67
AO89	f	150	300	0.807	20.383	0.63
AO90	f	220	440	0.807	20.383	0.92
AO91	f	187	374	0.807	20.383	0.78
AO92	f	251	502	0.807	20.383	1.05
AO93	f	162	324	0.807	20.383	0.68
AO94	f	219	438	0.807	20.383	0.91
AO95	f	394	788	0.807	20.383	1.65
AO96	f	229	458	0.807	20.383	0.96
AO97	f	228	456	0.807	20.383	0.95
AO98	f	198	396	0.807	20.383	0.83
AO99	f	262	524	0.807	20.383	1.09
AO100	f	249	498	0.807	20.383	1.04
AO101	f	265	530	0.807	20.383	1.11
AO102	f	187	374	0.807	20.383	0.78
AO103	f	397	794	0.807	20.383	1.66
AO104	f	204	408	0.807	20.383	0.85
AO105	f	197	394	0.807	20.383	0.82
AO106	f	186	372	0.807	20.383	0.78
AO107	f	194	388	0.807	20.383	0.81
AO108	f	180	360	0.807	20.383	0.75
AO109	f	187	374	0.807	20.383	0.78
AP74	f	248	496	0.807	20.383	1.04
AP75	f	276	552	0.807	20.383	1.15
AP76	f	319	638	0.807	20.383	1.33
AP77	f	259	518	0.807	20.383	1.08
AP78	f	261	522	0.807	20.383	1.09
AP79	f	260	520	0.807	20.383	1.09
AP80	f	260	520	0.807	20.383	1.09
AP81	f	264	528	0.807	20.383	1.10
AP82	f	259	518	0.807	20.383	1.08
AP83	f	277	554	0.807	20.383	1.16
AP84	f	290	580	0.807	20.383	1.21
AP85	f	238	476	0.807	20.383	0.99
AP86	f	1259	2518	0.807	20.383	5.26
AP87	f	208	416	0.807	20.383	0.87
AP88	f	206	412	0.807	20.383	0.86
AP89	f	176	352	0.807	20.383	0.73
AP90	f	222	444	0.807	20.383	0.93
AP91	f	167	334	0.807	20.383	0.70
AP92	f	225	450	0.807	20.383	0.94
AP93	f	168	336	0.807	20.383	0.70
AP94	f	205	410	0.807	20.383	0.86
AP95	f	242	484	0.807	20.383	1.01
AP96	f	244	488	0.807	20.383	1.02
AP97	f	219	438	0.807	20.383	0.91
AP98	f	204	408	0.807	20.383	0.85
AP99	f	217	434	0.807	20.383	0.91
AP100	f	229	458	0.807	20.383	0.96
AP101	f	222	444	0.807	20.383	0.93
AP102	f	216	432	0.807	20.383	0.90
AP103	f	207	414	0.807	20.383	0.86
AP104	f	183	366	0.807	20.383	0.76
AP105	f	191	382	0.807	20.383	0.80
AP106	f	197	394	0.807	20.383	0.82
AP107	f	199	398	0.807	20.383	0.83
AP108	f	187	374	0.807	20.383	0.78
AP109	f	184	368	0.807	20.383	0.77
AQ74	f	271	542	0.807	20.383	1.13
AQ75	f	296	592	0.807	20.383	1.24

AQ76	f	289	578	0.807	20.383	1.21
AQ77	f	266	532	0.807	20.383	1.11
AQ78	f	296	592	0.807	20.383	1.24
AQ79	f	280	560	0.807	20.383	1.17
AQ80	f	256	512	0.807	20.383	1.07
AQ81	f	275	550	0.807	20.383	1.15
AQ82	f	260	520	0.807	20.383	1.09
AQ83	f	280	560	0.807	20.383	1.17
AQ84	f	262	524	0.807	20.383	1.09
AQ85	f	246	492	0.807	20.383	1.03
AQ86	f	277	554	0.807	20.383	1.16
AQ87	f	144	288	0.807	20.383	0.60
AQ88	f	156	312	0.807	20.383	0.65
AQ89	f	142	284	0.807	20.383	0.59
AQ90	f	228	456	0.807	20.383	0.95
AQ91	f	156	312	0.807	20.383	0.65
AQ92	f	227	454	0.807	20.383	0.95
AQ93	f	172	344	0.807	20.383	0.72
AQ94	f	215	430	0.807	20.383	0.90
AQ95	f	194	388	0.807	20.383	0.81
AQ96	f	178	356	0.807	20.383	0.74
AQ97	f	226	452	0.807	20.383	0.94
AQ98	f	246	492	0.807	20.383	1.03
AQ99	f	272	544	0.807	20.383	1.14
AQ100	f	237	474	0.807	20.383	0.99
AQ101	f	193	386	0.807	20.383	0.81
AQ102	f	250	500	0.807	20.383	1.04
AQ103	f	195	390	0.807	20.383	0.81
AQ104	f	199	398	0.807	20.383	0.83
AQ105	f	203	406	0.807	20.383	0.85
AQ106	f	187	374	0.807	20.383	0.78
AQ107	f	194	388	0.807	20.383	0.81
AQ108	f	199	398	0.807	20.383	0.83
AQ109	f	207	414	0.807	20.383	0.86
AR74	f	237	474	0.807	20.383	0.99
AR75	f	259	518	0.807	20.383	1.08
AR76	f	261	522	0.807	20.383	1.09
AR77	f	295	590	0.807	20.383	1.23
AR78	f	256	512	0.807	20.383	1.07
AR79	f	264	528	0.807	20.383	1.10
AR80	f	255	510	0.807	20.383	1.06
AR81	f	257	514	0.807	20.383	1.07
AR82	f	268	536	0.807	20.383	1.12
AR83	f	303	606	0.807	20.383	1.27
AR84	f	284	568	0.807	20.383	1.19
AR85	f	166	332	0.807	20.383	0.69
AR86	f	178	356	0.807	20.383	0.74
AR87	f	171	342	0.807	20.383	0.71
AR88	f	214	428	0.807	20.383	0.89
AR89	f	167	334	0.807	20.383	0.70
AR90	f	243	486	0.807	20.383	1.01
AR91	f	187	374	0.807	20.383	0.78
AR92	f	240	480	0.807	20.383	1.00
AR93	f	190	380	0.807	20.383	0.79
AR94	f	220	440	0.807	20.383	0.92
AR95	f	161	322	0.807	20.383	0.67
AR96	f	227	454	0.807	20.383	0.95
AR97	f	264	528	0.807	20.383	1.10
AR98	f	412	824	0.807	20.383	1.72
AR99	f	263	526	0.807	20.383	1.10
AR100	f	257	514	0.807	20.383	1.07
AR101	f	275	550	0.807	20.383	1.15
AR102	f	238	476	0.807	20.383	0.99
AR103	f	179	358	0.807	20.383	0.75
AR104	f	186	372	0.807	20.383	0.78
AR105	f	184	368	0.807	20.383	0.77
AR106	f	197	394	0.807	20.383	0.82
AR107	f	186	372	0.807	20.383	0.78
AR108	f	179	358	0.807	20.383	0.75
AR109	f	182	364	0.807	20.383	0.76
AS74	f	269	538	0.807	20.383	1.12
AS75	f	296	592	0.807	20.383	1.24
AS76	f	249	498	0.807	20.383	1.04
AS77	f	250	500	0.807	20.383	1.04
AS78	f	301	602	0.807	20.383	1.26
AS79	f	301	602	0.807	20.383	1.26
AS80	f	254	508	0.807	20.383	1.06
AS81	f	258	516	0.807	20.383	1.08
AS82	f	259	518	0.807	20.383	1.08
AS83	f	258	516	0.807	20.383	1.08
AS84	f	267	534	0.807	20.383	1.11
AS85	f	144	288	0.807	20.383	0.60
AS86	f	161	322	0.807	20.383	0.67
AS87	f	200	400	0.807	20.383	0.84
AS88	f	257	514	0.807	20.383	1.07
AS89	f	151	302	0.807	20.383	0.63

AS90	f	245	490	0.807	20.383	1.02
AS91	f	181	362	0.807	20.383	0.76
AS92	f	231	462	0.807	20.383	0.96
AS93	f	195	390	0.807	20.383	0.81
AS94	f	238	476	0.807	20.383	0.99
AS95	f	219	438	0.807	20.383	0.91
AS96	f	198	396	0.807	20.383	0.83
AS97	f	371	742	0.807	20.383	1.55
AS98	f	648	1296	0.807	20.383	2.71
AS99	f	342	684	0.807	20.383	1.43
AS100	f	278	556	0.807	20.383	1.16
AS101	f	227	454	0.807	20.383	0.95
AS102	f	263	526	0.807	20.383	1.10
AS103	f	176	352	0.807	20.383	0.73
AS104	f	194	388	0.807	20.383	0.81
AS105	f	199	398	0.807	20.383	0.83
AS106	f	206	412	0.807	20.383	0.86
AS107	f	191	382	0.807	20.383	0.80
AS108	f	197	394	0.807	20.383	0.82
AS109	f	183	366	0.807	20.383	0.76
AT74	f	239	478	0.807	20.383	1.00
AT75	f	271	542	0.807	20.383	1.13
AT76	f	288	576	0.807	20.383	1.20
AT77	f	253	506	0.807	20.383	1.06
AT78	f	272	544	0.807	20.383	1.14
AT79	f	275	550	0.807	20.383	1.15
AT80	f	294	588	0.807	20.383	1.23
AT81	f	246	492	0.807	20.383	1.03
AT82	f	260	520	0.807	20.383	1.09
AT83	f	237	474	0.807	20.383	0.99
AT84	f	243	486	0.807	20.383	1.01
AT85	f	179	358	0.807	20.383	0.75
AT86	f	187	374	0.807	20.383	0.78
AT87	f	244	488	0.807	20.383	1.02
AT88	f	245	490	0.807	20.383	1.02
AT89	f	171	342	0.807	20.383	0.71
AT90	f	272	544	0.807	20.383	1.14
AT91	f	195	390	0.807	20.383	0.81
AT92	f	229	458	0.807	20.383	0.96
AT93	f	177	354	0.807	20.383	0.74
AT94	f	231	462	0.807	20.383	0.96
AT95	f	189	378	0.807	20.383	0.79
AT96	f	217	434	0.807	20.383	0.91
AT97	f	944	1888	0.807	20.383	3.94
AT98	f	1826	3652	0.807	20.383	7.62
AT99	f	509	1018	0.807	20.383	2.13
AT100	f	262	524	0.807	20.383	1.09
AT101	f	213	426	0.807	20.383	0.89
AT102	f	275	550	0.807	20.383	1.15
AT103	f	255	510	0.807	20.383	1.06
AT104	f	201	402	0.807	20.383	0.84
AT105	f	197	394	0.807	20.383	0.82
AT106	f	195	390	0.807	20.383	0.81
AT107	f	186	372	0.807	20.383	0.78
AT108	f	202	404	0.807	20.383	0.84
AT109	f	211	422	0.807	20.383	0.88
AU74	f	298	596	0.807	20.383	1.24
AU75	f	257	514	0.807	20.383	1.07
AU76	f	262	524	0.807	20.383	1.09
AU77	f	233	466	0.807	20.383	0.97
AU78	f	247	494	0.807	20.383	1.03
AU79	f	268	536	0.807	20.383	1.12
AU80	f	258	516	0.807	20.383	1.08
AU81	f	285	570	0.807	20.383	1.19
AU82	f	277	554	0.807	20.383	1.16
AU83	f	239	478	0.807	20.383	1.00
AU84	f	260	520	0.807	20.383	1.09
AU85	f	190	380	0.807	20.383	0.79
AU86	f	221	442	0.807	20.383	0.92
AU87	f	226	452	0.807	20.383	0.94
AU88	f	262	524	0.807	20.383	1.09
AU89	f	162	324	0.807	20.383	0.68
AU90	f	224	448	0.807	20.383	0.94
AU91	f	162	324	0.807	20.383	0.68
AU92	f	229	458	0.807	20.383	0.96
AU93	f	189	378	0.807	20.383	0.79
AU94	f	206	412	0.807	20.383	0.86
AU95	f	202	404	0.807	20.383	0.84
AU96	f	307	614	0.807	20.383	1.28
AU97	f	1144	2288	0.807	20.383	4.78
AU98	f	998	1996	0.807	20.383	4.17
AU99	f	276	552	0.807	20.383	1.15
AU100	f	279	558	0.807	20.383	1.16
AU101	f	167	334	0.807	20.383	0.70
AU102	f	212	424	0.807	20.383	0.89
AU103	f	188	376	0.807	20.383	0.78

AU104	f	193	386	0.807	20.383	0.81
AU105	f	186	372	0.807	20.383	0.78
AU106	f	189	378	0.807	20.383	0.79
AU107	f	201	402	0.807	20.383	0.84
AU108	f	197	394	0.807	20.383	0.82
AU109	f	200	400	0.807	20.383	0.84
AV61	f	215	430	0.807	20.383	0.90
AV62	f	292	584	0.807	20.383	1.22
AV63	f	226	452	0.807	20.383	0.94
AV64	f	263	526	0.807	20.383	1.10
AV74	f	287	574	0.807	20.383	1.20
AV75	f	291	582	0.807	20.383	1.22
AV76	f	263	526	0.807	20.383	1.10
AV77	f	246	492	0.807	20.383	1.03
AV78	f	259	518	0.807	20.383	1.08
AV79	f	243	486	0.807	20.383	1.01
AV80	f	281	562	0.807	20.383	1.17
AV81	f	277	654	0.807	20.383	1.16
AV82	f	272	544	0.807	20.383	1.14
AV83	f	228	456	0.807	20.383	0.95
AV84	f	242	484	0.807	20.383	1.01
AV85	f	167	334	0.807	20.383	0.70
AV86	f	189	378	0.807	20.383	0.79
AV87	f	268	536	0.807	20.383	1.12
AV88	f	250	500	0.807	20.383	1.04
AV89	f	155	310	0.807	20.383	0.65
AV90	f	250	500	0.807	20.383	1.04
AV91	f	201	402	0.807	20.383	0.84
AV92	f	230	460	0.807	20.383	0.96
AV93	f	147	294	0.807	20.383	0.61
AV94	f	207	414	0.807	20.383	0.86
AV95	f	190	380	0.807	20.383	0.79
AV96	f	251	502	0.807	20.383	1.05
AV97	f	336	672	0.807	20.383	1.40
AV98	f	297	594	0.807	20.383	1.24
AV99	f	237	474	0.807	20.383	0.99
AV100	f	209	418	0.807	20.383	0.87
AV101	f	216	432	0.807	20.383	0.90
AV102	f	245	490	0.807	20.383	1.02
AV103	f	233	466	0.807	20.383	0.97
AV104	f	217	434	0.807	20.383	0.91
AV105	f	209	418	0.807	20.383	0.87
AV106	f	202	404	0.807	20.383	0.84
AV107	f	211	422	0.807	20.383	0.88
AV108	f	196	392	0.807	20.383	0.82
AV109	f	191	382	0.807	20.383	0.80
AW59	f	279	558	0.807	20.383	1.16
AW60	f	349	698	0.807	20.383	1.46
AW61	f	268	536	0.807	20.383	1.12
AW62	f	314	628	0.807	20.383	1.31
AW63	f	1373	2746	0.807	20.383	5.73
AW64	f	1349	2698	0.807	20.383	5.63
AW65	f	348	696	0.807	20.383	1.45
AW66	f	305	610	0.807	20.383	1.27
AW74	f	257	514	0.807	20.383	1.07
AW75	f	261	522	0.807	20.383	1.09
AW76	f	269	538	0.807	20.383	1.12
AW77	f	245	490	0.807	20.383	1.02
AW78	f	256	512	0.807	20.383	1.07
AW79	f	252	504	0.807	20.383	1.05
AW80	f	262	524	0.807	20.383	1.09
AW81	f	274	548	0.807	20.383	1.14
AW83	f	263	526	0.807	20.383	1.10
AW84	f	275	550	0.807	20.383	1.15
AW85	f	202	404	0.807	20.383	0.84
AW86	f	211	422	0.807	20.383	0.88
AW87	f	238	476	0.807	20.383	0.99
AW88	f	211	422	0.807	20.383	0.88
AW89	f	162	324	0.807	20.383	0.68
AW90	f	224	448	0.807	20.383	0.94
AW92	f	162	324	0.807	20.383	0.68
AW93	f	229	458	0.807	20.383	0.96
AW94	f	189	378	0.807	20.383	0.79
AW95	f	206	412	0.807	20.383	0.86
AW96	f	253	506	0.807	20.383	1.06
AW97	f	210	420	0.807	20.383	0.88
AW98	f	309	618	0.807	20.383	1.29
AW99	f	163	326	0.807	20.383	0.68
AW101	f	194	388	0.807	20.383	0.81
AW102	f	155	310	0.807	20.383	0.65
AW103	f	159	318	0.807	20.383	0.66
AW104	f	199	398	0.807	20.383	0.83
AW105	f	187	374	0.807	20.383	0.78
AW106	f	207	414	0.807	20.383	0.86
AW107	f	198	396	0.807	20.383	0.83
AW108	f	219	438	0.807	20.383	0.91

AW109	f	207	414	0.807	20.383	0.86
AX59	f	198	396	0.807	20.383	0.83
AX60	f	217	434	0.807	20.383	0.91
AX61	f	271	542	0.807	20.383	1.13
AX62	f	325	650	0.807	20.383	1.36
AX63	f	1474	2948	0.807	20.383	6.15
AX64	f	1313	2626	0.807	20.383	5.48
AX65	f	247	494	0.807	20.383	1.03
AX66	f	237	474	0.807	20.383	0.99
AX74	f	216	432	0.807	20.383	0.90
AX75	f	271	542	0.807	20.383	1.13
AX76	f	274	548	0.807	20.383	1.14
AX77	f	298	596	0.807	20.383	1.24
AX78	f	287	574	0.807	20.383	1.20
AX79	f	230	460	0.807	20.383	0.96
AX80	f	265	530	0.807	20.383	1.11
AX81	f	259	518	0.807	20.383	1.08
AX82	f	242	484	0.807	20.383	1.01
AX83	f	257	514	0.807	20.383	1.07
AX84	f	274	548	0.807	20.383	1.14
AX85	f	198	396	0.807	20.383	0.83
AX86	f	264	528	0.807	20.383	1.10
AX87	f	271	542	0.807	20.383	1.13
AX88	f	187	374	0.807	20.383	0.78
AX89	f	167	334	0.807	20.383	0.70
AX90	f	232	464	0.807	20.383	0.97
AX91	f	188	376	0.807	20.383	0.78
AX97	f	188	376	0.807	20.383	0.78
AX98	f	227	454	0.807	20.383	0.95
AX99	f	201	402	0.807	20.383	0.84
AX100	f	215	430	0.807	20.383	0.90
AX101	f	233	466	0.807	20.383	0.97
AX102	f	221	442	0.807	20.383	0.92
AX103	f	287	574	0.807	20.383	1.20
AX104	f	211	422	0.807	20.383	0.88
AX105	f	195	390	0.807	20.383	0.81
AX106	f	199	398	0.807	20.383	0.83
AX108	f	201	402	0.807	20.383	0.84
AX109	f	196	392	0.807	20.383	0.82
AY59	f	197	394	0.807	20.383	0.82
AY60	f	184	368	0.807	20.383	0.77
AY61	f	246	492	0.807	20.383	1.03
AY62	f	248	496	0.807	20.383	1.04
AY63	f	1161	2322	0.807	20.383	4.85
AY64	f	1253	2506	0.807	20.383	5.23
AY65	f	217	434	0.807	20.383	0.91
AY66	f	226	452	0.807	20.383	0.94
AY74	f	256	512	0.807	20.383	1.07
AY75	f	282	564	0.807	20.383	1.18
AY76	f	259	518	0.807	20.383	1.08
AY77	f	268	536	0.807	20.383	1.12
AY78	f	270	540	0.807	20.383	1.13
AY79	f	275	550	0.807	20.383	1.15
AY80	f	299	598	0.807	20.383	1.25
AY81	f	251	502	0.807	20.383	1.05
AY82	f	244	488	0.807	20.383	1.02
AY83	f	297	594	0.807	20.383	1.24
AY84	f	276	552	0.807	20.383	1.15
AY85	f	289	578	0.807	20.383	1.21
AY86	f	261	522	0.807	20.383	1.09
AY87	f	193	386	0.807	20.383	0.81
AY88	f	168	336	0.807	20.383	0.70
AY89	f	165	330	0.807	20.383	0.69
AY90	f	247	494	0.807	20.383	1.03
AY97	f	187	374	0.807	20.383	0.78
AY98	f	238	476	0.807	20.383	0.99
AY99	f	222	444	0.807	20.383	0.93
AY100	f	202	404	0.807	20.383	0.84
AY101	f	222	444	0.807	20.383	0.93
AY102	f	196	392	0.807	20.383	0.82
AY103	f	256	512	0.807	20.383	1.07
AY104	f	220	440	0.807	20.383	0.92
AY105	f	207	414	0.807	20.383	0.86
AY106	f	196	392	0.807	20.383	0.82
AY108	f	201	402	0.807	20.383	0.84
AY109	f	193	386	0.807	20.383	0.81
AZ59	f	302	604	0.807	20.383	1.26
AZ60	f	283	566	0.807	20.383	1.18
AZ61	f	195	390	0.807	20.383	0.81
AZ62	f	153	306	0.807	20.383	0.64
AZ63	f	205	410	0.807	20.383	0.86
AZ64	f	195	390	0.807	20.383	0.81
AZ65	f	283	566	0.807	20.383	1.18
AZ66	f	279	558	0.807	20.383	1.16
AZ74	f	260	520	0.807	20.383	1.09
AZ75	f	255	510	0.807	20.383	1.06

AZ76	f	255	510	0.807	20.383	1.06
AZ77	f	253	506	0.807	20.383	1.06
AZ78	f	265	530	0.807	20.383	1.11
AZ79	f	254	508	0.807	20.383	1.06
AZ80	f	267	534	0.807	20.383	1.11
AZ81	f	274	548	0.807	20.383	1.14
AZ82	f	245	490	0.807	20.383	1.02
AZ83	f	267	534	0.807	20.383	1.11
AZ84	f	241	482	0.807	20.383	1.01
AZ85	f	189	378	0.807	20.383	0.79
AZ86	f	270	540	0.807	20.383	1.13
AZ87	f	185	370	0.807	20.383	0.77
AZ88	f	190	380	0.807	20.383	0.79
AZ89	f	169	338	0.807	20.383	0.71
AZ90	f	233	466	0.807	20.383	0.97
AZ97	f	191	382	0.807	20.383	0.80
AZ98	f	214	428	0.807	20.383	0.89
AZ99	f	193	386	0.807	20.383	0.81
AZ100	f	189	378	0.807	20.383	0.79
AZ101	f	217	434	0.807	20.383	0.91
AZ102	f	228	456	0.807	20.383	0.95
AZ103	f	244	488	0.807	20.383	1.02
AZ104	f	248	496	0.807	20.383	1.04
AZ105	f	221	442	0.807	20.383	0.92
AZ106	f	236	472	0.807	20.383	0.99
AZ107	f	238	476	0.807	20.383	0.99
AZ108	f	211	422	0.807	20.383	0.88
AZ109	f	203	406	0.807	20.383	0.85
BA59	f	217	434	0.807	20.383	0.91
BA60	f	203	406	0.807	20.383	0.85
BA61	f	223	446	0.807	20.383	0.93
BA62	f	146	292	0.807	20.383	0.61
BA63	f	191	382	0.807	20.383	0.80
BA64	f	207	414	0.807	20.383	0.86
BA65	f	314	628	0.807	20.383	1.31
BA66	f	286	572	0.807	20.383	1.19
BA74	f	231	462	0.807	20.383	0.96
BA75	f	252	504	0.807	20.383	1.05
BA76	f	276	552	0.807	20.383	1.15
BA77	f	253	506	0.807	20.383	1.06
BA78	f	292	584	0.807	20.383	1.22
BA79	f	235	470	0.807	20.383	0.98
BA80	f	268	536	0.807	20.383	1.12
BA81	f	257	514	0.807	20.383	1.07
BA82	f	273	546	0.807	20.383	1.14
BA83	f	250	500	0.807	20.383	1.04
BA84	f	271	542	0.807	20.383	1.13
BA85	f	209	418	0.807	20.383	0.87
BA86	f	246	492	0.807	20.383	1.03
BA87	f	168	336	0.807	20.383	0.70
BA88	f	205	410	0.807	20.383	0.86
BA89	f	182	364	0.807	20.383	0.76
BA90	f	293	586	0.807	20.383	1.22
BA97	f	184	368	0.807	20.383	0.77
BA98	f	244	488	0.807	20.383	1.02
BA99	f	233	466	0.807	20.383	0.97
BA100	f	224	448	0.807	20.383	0.94
BA101	f	257	514	0.807	20.383	1.07
BA102	f	250	500	0.807	20.383	1.04
BA103	f	262	524	0.807	20.383	1.09
BA104	f	227	454	0.807	20.383	0.95
BA105	f	225	450	0.807	20.383	0.94
BA106	f	223	446	0.807	20.383	0.93
BA107	f	198	396	0.807	20.383	0.83
BA108	f	250	500	0.807	20.383	1.04
BA109	f	215	430	0.807	20.383	0.90
BB59	f	183	366	0.807	20.383	0.76
BB60	f	204	408	0.807	20.383	0.85
BB61	f	211	422	0.807	20.383	0.88
BB62	f	183	366	0.807	20.383	0.76
BB63	f	222	444	0.807	20.383	0.93
BB64	f	146	292	0.807	20.383	0.61
BB65	f	237	474	0.807	20.383	0.99
BB66	f	214	428	0.807	20.383	0.89
BB74	f	277	554	0.807	20.383	1.16
BB75	f	252	504	0.807	20.383	1.05
BB76	f	270	540	0.807	20.383	1.13
BB77	f	256	512	0.807	20.383	1.07
BB78	f	230	460	0.807	20.383	0.96
BB79	f	269	538	0.807	20.383	1.12
BB80	f	249	498	0.807	20.383	1.04
BB81	f	276	552	0.807	20.383	1.15
BB82	f	252	504	0.807	20.383	1.05
BB83	f	247	494	0.807	20.383	1.03
BB84	f	285	570	0.807	20.383	1.19
BB85	f	189	378	0.807	20.383	0.79

BB86	f	241	482	0.807	20.383	1.01
BB87	f	259	518	0.807	20.383	1.08
BB88	f	193	386	0.807	20.383	0.81
BB89	f	195	390	0.807	20.383	0.81
BB90	f	268	536	0.807	20.383	1.12
BB97	f	303	606	0.807	20.383	1.27
BB98	f	226	452	0.807	20.383	0.94
BB99	f	230	460	0.807	20.383	0.96
BB100	f	204	408	0.807	20.383	0.85
BB101	f	227	454	0.807	20.383	0.95
BB102	f	197	394	0.807	20.383	0.82
BB103	f	228	456	0.807	20.383	0.95
BB104	f	233	466	0.807	20.383	0.97
BB105	f	252	504	0.807	20.383	1.05
BB106	f	233	466	0.807	20.383	0.97
BB107	f	260	520	0.807	20.383	1.09
BB108	f	277	554	0.807	20.383	1.16
BB109	f	304	608	0.807	20.383	1.27
BC59	f	199	398	0.807	20.383	0.83
BC60	f	218	436	0.807	20.383	0.91
BC61	f	225	450	0.807	20.383	0.94
BC62	f	179	358	0.807	20.383	0.75
BC63	f	190	380	0.807	20.383	0.79
BC64	f	185	370	0.807	20.383	0.77
BC65	f	227	454	0.807	20.383	0.95
BC66	f	229	458	0.807	20.383	0.96
BC74	f	278	556	0.807	20.383	1.16
BC75	f	259	518	0.807	20.383	1.08
BC76	f	242	484	0.807	20.383	1.01
BC77	f	238	476	0.807	20.383	0.99
BC78	f	237	474	0.807	20.383	0.99
BC79	f	255	510	0.807	20.383	1.06
BC80	f	248	496	0.807	20.383	1.04
BC81	f	252	504	0.807	20.383	1.05
BC82	f	277	554	0.807	20.383	1.16
BC83	f	255	510	0.807	20.383	1.06
BC84	f	264	528	0.807	20.383	1.10
BC85	f	177	354	0.807	20.383	0.74
BC86	f	269	538	0.807	20.383	1.12
BC87	f	151	302	0.807	20.383	0.63
BC88	f	192	384	0.807	20.383	0.80
BC89	f	196	392	0.807	20.383	0.82
BC90	f	257	514	0.807	20.383	1.07
BC97	f	170	340	0.807	20.383	0.71
BC98	f	211	422	0.807	20.383	0.88
BC99	f	202	404	0.807	20.383	0.84
BC100	f	234	468	0.807	20.383	0.98
BC101	f	233	466	0.807	20.383	0.97
BC102	f	206	412	0.807	20.383	0.86
BC103	f	216	432	0.807	20.383	0.90
BC104	f	214	428	0.807	20.383	0.89
BC105	f	268	536	0.807	20.383	1.12
BC106	f	237	474	0.807	20.383	0.99
BC107	f	294	588	0.807	20.383	1.23
BC108	f	288	576	0.807	20.383	1.20
BC109	f	358	716	0.807	20.383	1.49
BD59	f	209	418	0.807	20.383	0.87
BD60	f	193	386	0.807	20.383	0.81
BD61	f	235	470	0.807	20.383	0.98
BD62	f	144	288	0.807	20.383	0.60
BD63	f	225	450	0.807	20.383	0.94
BD64	f	175	350	0.807	20.383	0.73
BD65	f	197	394	0.807	20.383	0.82
BD66	f	207	414	0.807	20.383	0.86
BD74	f	218	436	0.807	20.383	0.91
BD75	f	228	456	0.807	20.383	0.95
BD76	f	216	432	0.807	20.383	0.90
BD77	f	219	438	0.807	20.383	0.91
BD78	f	221	442	0.807	20.383	0.92
BD79	f	211	422	0.807	20.383	0.88
BD80	f	215	430	0.807	20.383	0.90
BD81	f	212	424	0.807	20.383	0.89
BD82	f	213	426	0.807	20.383	0.89
BD83	f	205	410	0.807	20.383	0.86
BD84	f	186	372	0.807	20.383	0.78
BD85	f	121	242	0.807	20.383	0.51
BD86	f	125	250	0.807	20.383	0.52
BD87	f	206	412	0.807	20.383	0.86
BD88	f	195	390	0.807	20.383	0.81
BD89	f	168	336	0.807	20.383	0.70
BD90	f	193	386	0.807	20.383	0.81
BD97	f	206	412	0.807	20.383	0.86
BD98	f	207	414	0.807	20.383	0.86
BD99	f	222	444	0.807	20.383	0.93
BD100	f	200	400	0.807	20.383	0.84
BD101	f	231	462	0.807	20.383	0.96

BD102	f	224	448	0.807	20.383	0.94
BD103	f	238	476	0.807	20.383	0.99
BD104	f	208	416	0.807	20.383	0.87
BD105	f	224	448	0.807	20.383	0.94
BD106	f	217	434	0.807	20.383	0.91
BD107	f	222	444	0.807	20.383	0.93
BD108	f	213	426	0.807	20.383	0.89
BD109	f	258	516	0.807	20.383	1.08
BE59	f	216	432	0.807	20.383	0.90
BE60	f	186	372	0.807	20.383	0.78
BE61	f	223	446	0.807	20.383	0.93
BE62	f	147	294	0.807	20.383	0.61
BE63	f	228	456	0.807	20.383	0.95
BE64	f	170	340	0.807	20.383	0.71
BE65	f	214	428	0.807	20.383	0.89
BE66	f	222	444	0.807	20.383	0.93
BE74	f	195	390	0.807	20.383	0.81
BE75	f	168	336	0.807	20.383	0.70
BE76	f	216	432	0.807	20.383	0.90
BE77	f	180	360	0.807	20.383	0.75
BE78	f	167	334	0.807	20.383	0.70
BE79	f	196	392	0.807	20.383	0.82
BE80	f	161	322	0.807	20.383	0.67
BE81	f	179	358	0.807	20.383	0.75
BE89	f	224	448	0.807	20.383	0.94
BE90	f	161	322	0.807	20.383	0.67
BE97	f	207	414	0.807	20.383	0.86
BE98	f	228	456	0.807	20.383	0.95
BE99	f	243	486	0.807	20.383	1.01
BE100	f	214	428	0.807	20.383	0.89
BE101	f	236	472	0.807	20.383	0.99
BE102	f	241	482	0.807	20.383	1.01
BE103	f	268	536	0.807	20.383	1.12
BE104	f	223	446	0.807	20.383	0.93
BE105	f	230	460	0.807	20.383	0.96
BE106	f	247	494	0.807	20.383	1.03
BE107	f	195	390	0.807	20.383	0.81
BE108	f	191	382	0.807	20.383	0.80
BE109	f	203	406	0.807	20.383	0.85
BF74	f	209	418	0.807	20.383	0.87
BF75	f	188	376	0.807	20.383	0.78
BF76	f	169	338	0.807	20.383	0.71
BF77	f	212	424	0.807	20.383	0.89
BF78	f	224	448	0.807	20.383	0.94
BF79	f	204	408	0.807	20.383	0.85
BF80	f	189	378	0.807	20.383	0.79
BF81	f	162	324	0.807	20.383	0.68
BF82	f	254	508	0.807	20.383	1.06
BF83	f	230	460	0.807	20.383	0.96
BF84	f	226	452	0.807	20.383	0.94
BF85	f	219	438	0.807	20.383	0.91
BF86	f	209	418	0.807	20.383	0.87
BF87	f	248	496	0.807	20.383	1.04
BF88	f	208	416	0.807	20.383	0.87
BF89	f	219	438	0.807	20.383	0.91
BF90	f	219	438	0.807	20.383	0.91
BF97	f	154	308	0.807	20.383	0.64
BF98	f	296	592	0.807	20.383	1.24
BF99	f	221	442	0.807	20.383	0.92
BF100	f	198	396	0.807	20.383	0.83
BF101	f	215	430	0.807	20.383	0.90
BF102	f	246	492	0.807	20.383	1.03
BF103	f	204	408	0.807	20.383	0.85
BF104	f	251	502	0.807	20.383	1.05
BF105	f	225	450	0.807	20.383	0.94
BF106	f	223	446	0.807	20.383	0.93
BF107	f	205	410	0.807	20.383	0.86
BF108	f	201	402	0.807	20.383	0.84
BF109	f	231	462	0.807	20.383	0.96
BG61	f	213	426	0.807	20.383	0.89
BG62	f	301	602	0.807	20.383	1.26
BG63	f	229	458	0.807	20.383	0.96
BG64	f	328	656	0.807	20.383	1.37
BG74	f	215	430	0.807	20.383	0.90
BG75	f	206	412	0.807	20.383	0.86
BG76	f	203	406	0.807	20.383	0.85
BG77	f	190	380	0.807	20.383	0.79
BG78	f	319	638	0.807	20.383	1.33
BG79	f	741	1482	0.807	20.383	3.09
BG80	f	188	376	0.807	20.383	0.78
BG81	f	184	368	0.807	20.383	0.77
BG83	f	170	340	0.807	20.383	0.71
BG84	f	182	364	0.807	20.383	0.76
BG85	f	168	336	0.807	20.383	0.70
BG86	f	158	316	0.807	20.383	0.66
BG87	f	163	326	0.807	20.383	0.68

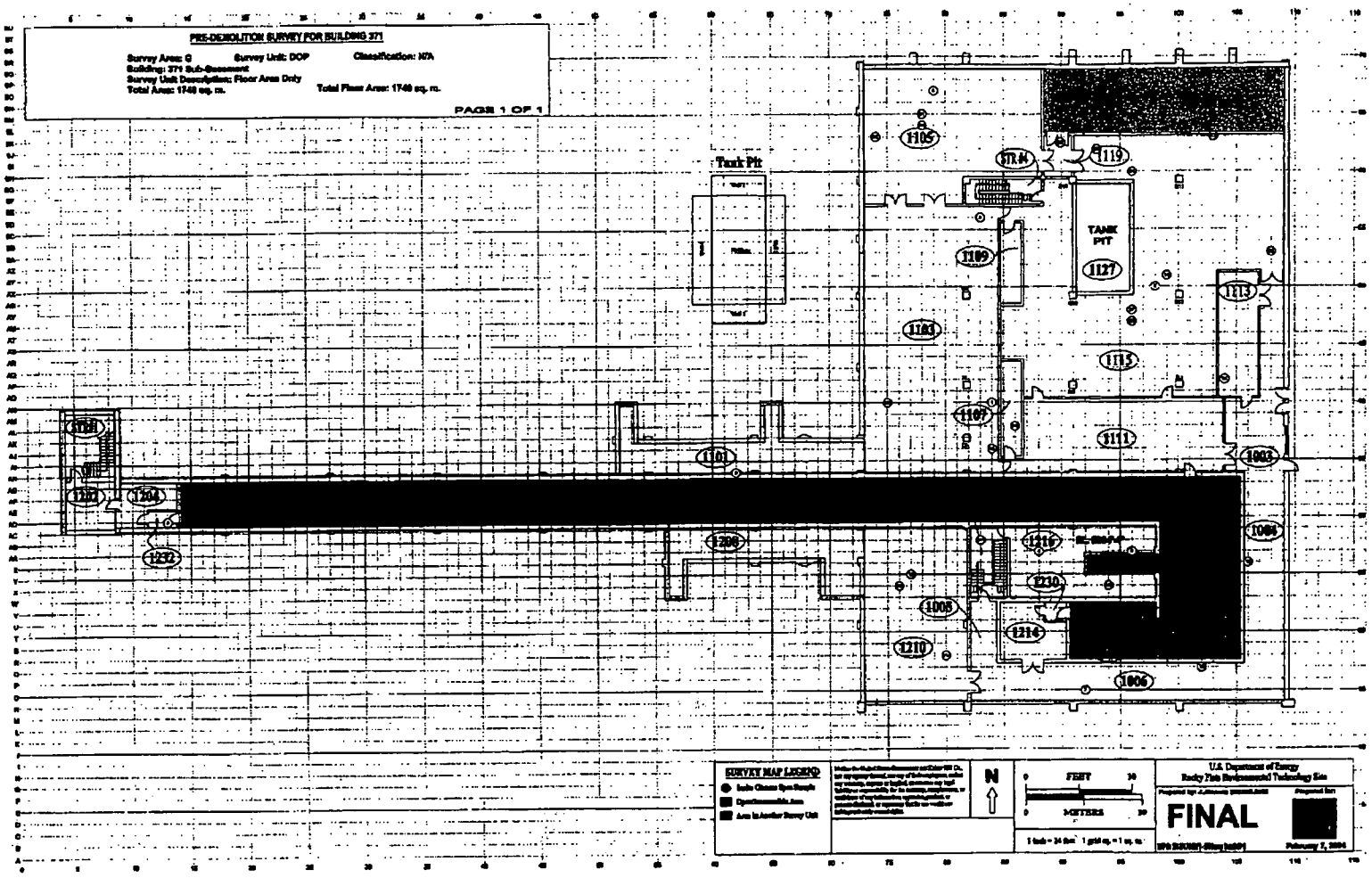
BG88	f	219	438	0.807	20.383	0.91
BG89	f	233	466	0.807	20.383	0.97
BG90	f	246	492	0.807	20.383	1.03
BG97	f	260	520	0.807	20.383	1.09
BG98	f	312	624	0.807	20.383	1.30
BG99	f	245	490	0.807	20.383	1.02
BG101	f	268	536	0.807	20.383	1.12
BG102	f	286	572	0.807	20.383	1.19
BG103	f	282	564	0.807	20.383	1.18
BG104	f	226	452	0.807	20.383	0.94
BG105	f	244	488	0.807	20.383	1.02
BG106	f	227	454	0.807	20.383	0.95
BG107	f	205	410	0.807	20.383	0.86
BG108	f	250	500	0.807	20.383	1.04
BG109	f	358	716	0.807	20.383	1.49
BH74	f	211	422	0.807	20.383	0.88
BH75	f	299	598	0.807	20.383	1.25
BH76	f	254	508	0.807	20.383	1.06
BH77	f	208	416	0.807	20.383	0.87
BH78	f	217	434	0.807	20.383	0.91
BH79	f	248	496	0.807	20.383	1.04
BH80	f	242	484	0.807	20.383	1.01
BH81	f	206	412	0.807	20.383	0.86
BH82	f	151	302	0.807	20.383	0.63
BH83	f	200	400	0.807	20.383	0.84
BH84	f	164	328	0.807	20.383	0.68
BH85	f	182	364	0.807	20.383	0.76
BH86	f	179	358	0.807	20.383	0.75
BH87	f	194	388	0.807	20.383	0.81
BH88	f	214	428	0.807	20.383	0.89
BH89	f	543	1086	0.807	20.383	2.27
BH90	f	602	1204	0.807	20.383	2.51
BH91	f	285	570	0.807	20.383	1.19
BH92	f	235	470	0.807	20.383	0.98
BH93	f	271	542	0.807	20.383	1.13
BH94	f	271	542	0.807	20.383	1.13
BH95	f	263	526	0.807	20.383	1.10
BH96	f	543	1088	0.807	20.383	2.27
BH97	f	282	564	0.807	20.383	1.18
BH98	f	301	602	0.807	20.383	1.26
BH99	f	262	524	0.807	20.383	1.09
BH100	f	238	476	0.807	20.383	0.99
BH101	f	300	600	0.807	20.383	1.25
BH102	f	281	562	0.807	20.383	1.17
BH103	f	246	492	0.807	20.383	1.03
BH104	f	248	496	0.807	20.383	1.04
BH105	f	240	480	0.807	20.383	1.00
BH106	f	283	566	0.807	20.383	1.18
BH107	f	225	450	0.807	20.383	0.94
BH108	f	217	434	0.807	20.383	0.91
BH109	f	218	436	0.807	20.383	0.91
BI74	f	739	1478	0.807	20.383	3.09
BI75	f	286	572	0.807	20.383	1.19
BI76	f	221	442	0.807	20.383	0.92
BI77	f	200	400	0.807	20.383	0.84
BI78	f	204	408	0.807	20.383	0.85
BI79	f	279	558	0.807	20.383	1.16
BI80	f	281	562	0.807	20.383	1.17
BI81	f	202	404	0.807	20.383	0.84
BI82	f	168	336	0.807	20.383	0.70
BI83	f	266	532	0.807	20.383	1.11
BI84	f	214	428	0.807	20.383	0.89
BI85	f	155	310	0.807	20.383	0.65
BI86	f	172	344	0.807	20.383	0.72
BI87	f	285	570	0.807	20.383	1.19
BI88	f	204	408	0.807	20.383	0.85
BI89	f	2134	4268	0.807	20.383	8.91
BI90	f	832	1664	0.807	20.383	3.47
BI91	f	491	982	0.807	20.383	2.05
BI92	f	437	874	0.807	20.383	1.82
BI93	f	448	896	0.807	20.383	1.87
BI94	f	635	1270	0.807	20.383	2.65
BI95	f	276	552	0.807	20.383	1.15
BI96	f	215	430	0.807	20.383	0.90
BI97	f	304	608	0.807	20.383	1.27
BI98	f	287	574	0.807	20.383	1.20
BI99	f	296	592	0.807	20.383	1.24
BI100	f	208	416	0.807	20.383	0.87
BI101	f	360	720	0.807	20.383	1.50
BI102	f	281	562	0.807	20.383	1.17
BI103	f	229	458	0.807	20.383	0.96
BI104	f	249	498	0.807	20.383	1.04
BI105	f	260	520	0.807	20.383	1.09
BI106	f	214	428	0.807	20.383	0.89
BI107	f	226	452	0.807	20.383	0.94
BI108	f	228	456	0.807	20.383	0.95

BI109	f	177	354	0.807	20.383	0.74
BJ74	f	257	514	0.807	20.383	1.07
BJ75	f	234	468	0.807	20.383	0.98
BJ76	f	187	374	0.807	20.383	0.78
BJ77	f	177	354	0.807	20.383	0.74
BJ78	f	209	418	0.807	20.383	0.87
BJ79	f	231	462	0.807	20.383	0.96
BJ80	f	183	366	0.807	20.383	0.76
BJ81	f	174	348	0.807	20.383	0.73
BJ82	f	180	360	0.807	20.383	0.75
BJ83	f	156	312	0.807	20.383	0.65
BJ84	f	165	330	0.807	20.383	0.69
BJ85	f	152	304	0.807	20.383	0.63
BJ86	f	149	298	0.807	20.383	0.62
BJ87	f	204	408	0.807	20.383	0.85
BJ88	f	280	560	0.807	20.383	1.17
BJ89	f	1337	2674	0.807	20.383	5.58
BJ90	f	821	1642	0.807	20.383	3.43
BJ92	f	451	902	0.807	20.383	1.88
BJ93	f	398	796	0.807	20.383	1.66
BJ94	f	511	1022	0.807	20.383	2.13
BJ95	f	276	552	0.807	20.383	1.15
BJ96	f	275	550	0.807	20.383	1.15
BJ97	f	216	432	0.807	20.383	0.90
BJ98	f	272	544	0.807	20.383	1.14
BJ99	f	269	538	0.807	20.383	1.12
BJ100	f	261	522	0.807	20.383	1.09
BJ101	f	264	528	0.807	20.383	1.10
BJ102	f	278	556	0.807	20.383	1.16
BJ103	f	244	488	0.807	20.383	1.02
BJ104	f	259	518	0.807	20.383	1.08
BJ105	f	248	496	0.807	20.383	1.04
BJ106	f	287	574	0.807	20.383	1.20
BJ107	f	248	496	0.807	20.383	1.04
BJ108	f	239	478	0.807	20.383	1.00
BJ109	f	421	842	0.807	20.383	1.76
BK74	f	385	770	0.807	20.383	1.61
BK75	f	275	550	0.807	20.383	1.15
BK76	f	225	450	0.807	20.383	0.94
BK77	f	229	458	0.807	20.383	0.96
BK78	f	218	436	0.807	20.383	0.91
BK79	f	194	388	0.807	20.383	0.81
BK80	f	191	382	0.807	20.383	0.80
BK81	f	193	386	0.807	20.383	0.81
BK82	f	164	328	0.807	20.383	0.68
BK83	f	148	296	0.807	20.383	0.62
BK84	f	151	302	0.807	20.383	0.63
BK85	f	175	350	0.807	20.383	0.73
BK86	f	164	328	0.807	20.383	0.68
BK87	f	177	354	0.807	20.383	0.74
BK88	f	187	374	0.807	20.383	0.78
BK89	f	2337	4674	0.807	20.383	9.76
BK90	f	843	1686	0.807	20.383	3.52
BK91	f	326	652	0.807	20.383	1.36
BK92	f	327	654	0.807	20.383	1.37
BK93	f	266	532	0.807	20.383	1.11
BK94	f	346	692	0.807	20.383	1.44
BK95	f	283	566	0.807	20.383	1.18
BK96	f	215	430	0.807	20.383	0.90
BK97	f	224	448	0.807	20.383	0.94
BK98	f	217	434	0.807	20.383	0.91
BK99	f	2236	4472	0.807	20.383	9.34
BK100	f	247	494	0.807	20.383	1.03
BK101	f	216	432	0.807	20.383	0.90
BK102	f	410	820	0.807	20.383	1.71
BK103	f	807	1614	0.807	20.383	3.37
BK104	f	265	530	0.807	20.383	1.11
BK105	f	238	476	0.807	20.383	0.99
BK106	f	200	400	0.807	20.383	0.84
BK107	f	235	470	0.807	20.383	0.98
BK108	f	200	400	0.807	20.383	0.84
BK109	f	217	434	0.807	20.383	0.91
BL74	f	301	602	0.807	20.383	1.26
BL75	f	207	414	0.807	20.383	0.86
BL76	f	403	806	0.807	20.383	1.68
BL77	f	571	1142	0.807	20.383	2.38
BL78	f	332	664	0.807	20.383	1.39
BL79	f	205	410	0.807	20.383	0.86
BL80	f	263	526	0.807	20.383	1.10
BL81	f	217	434	0.807	20.383	0.91
BL82	f	201	402	0.807	20.383	0.84
BL83	f	203	406	0.807	20.383	0.85
BL84	f	189	378	0.807	20.383	0.79
BL85	f	173	346	0.807	20.383	0.72
BL86	f	179	358	0.807	20.383	0.75
BL87	f	183	366	0.807	20.383	0.76

KK5	f	4084	8168	0.807	20.383	17.05
KK6	f	3469	6938	0.807	20.383	14.48
KK7	f	2549	5098	0.807	20.383	10.64
KK8	f	2339	4678	0.807	20.383	9.77
KK9	f	2686	5372	0.807	20.383	11.21
KK10	f	2408	4816	0.807	20.383	10.05
KK11	f	3166	6332	0.807	20.383	13.22
KK12	f	2509	5018	0.807	20.383	10.48
KK13	f	2304	4608	0.807	20.383	9.62
KK14	f	2048	4096	0.807	20.383	8.55
KK15	f	4386	8772	0.807	20.383	18.31
KK16	f	1849	3698	0.807	20.383	7.72
KK17	f	1439	2878	0.807	20.383	6.01
KK18	f	937	1874	0.807	20.383	3.91
KK19	f	648	1296	0.807	20.383	2.71
KK20	w	157	314	0.807	20.383	0.66
KK21	w	124	248	0.807	20.383	0.52
KK22	w	108	216	0.807	20.383	0.45
KK32	c	237	474	0.807	20.383	0.99
KK33	c	283	566	0.807	20.383	1.18
KK34	c	890	1780	0.807	20.383	3.72
KK35	c	263	526	0.807	20.383	1.10
KK36	c	271	542	0.807	20.383	1.13
KK37	c	264	528	0.807	20.383	1.10
KK38	c	269	538	0.807	20.383	1.12
KK39	c	239	478	0.807	20.383	1.00
KK40	c	239	478	0.807	20.383	1.00
KK41	c	211	422	0.807	20.383	0.88
KK42	c	212	424	0.807	20.383	0.89
KK43	c	226	452	0.807	20.383	0.94
KK44	c	233	466	0.807	20.383	0.97
KK45	c	193	386	0.807	20.383	0.81
KK46	c	193	386	0.807	20.383	0.81
KK47	c	168	336	0.807	20.383	0.70
LL32	c	218	436	0.807	20.383	0.91
LL33	c	915	1830	0.807	20.383	3.82
LL34	c	1367	2734	0.807	20.383	5.71
LL35	c	612	1224	0.807	20.383	2.56
LL36	c	257	514	0.807	20.383	1.07
LL37	c	290	580	0.807	20.383	1.21
LL38	c	267	534	0.807	20.383	1.11
LL39	c	217	434	0.807	20.383	0.91
LL40	c	208	416	0.807	20.383	0.87
LL41	c	193	386	0.807	20.383	0.81
LL42	c	215	430	0.807	20.383	0.90
LL43	c	182	364	0.807	20.383	0.76
LL44	c	181	362	0.807	20.383	0.76
LL45	c	180	360	0.807	20.383	0.75
LL46	c	224	448	0.807	20.383	0.94
LL47	c	177	354	0.807	20.383	0.74
MM32	w	296	592	0.807	20.383	1.24
MM33	w	866	1732	0.807	20.383	3.62
MM34	w	2085	4170	0.807	20.383	8.71
MM35	w	868	1736	0.807	20.383	3.62
MM36	w	524	1048	0.807	20.383	2.19
MM37	w	569	1138	0.807	20.383	2.38
MM38	w	369	738	0.807	20.383	1.54
MM39	w	278	556	0.807	20.383	1.16
MM40	w	336	672	0.807	20.383	1.40
MM41	w	220	440	0.807	20.383	0.92
MM42	w	236	472	0.807	20.383	0.99
MM43	w	211	422	0.807	20.383	0.88
MM44	w	224	448	0.807	20.383	0.94
MM45	w	211	422	0.807	20.383	0.88
MM46	w	250	500	0.807	20.383	1.04
MM47	w	237	474	0.807	20.383	0.99
NN32	w	1313	2626	0.807	20.383	5.48
NN33	w	1148	2296	0.807	20.383	4.79
NN34	w	2490	4980	0.807	20.383	10.40
NN35	w	2339	4678	0.807	20.383	9.77
NN36	w	2609	5218	0.807	20.383	10.89
NN37	w	4309	8618	0.807	20.383	17.99
NN38	w	869	1738	0.807	20.383	3.63
NN39	w	609	1218	0.807	20.383	2.54
NN40	w	450	900	0.807	20.383	1.88
NN41	w	678	1356	0.807	20.383	2.83
NN42	w	696	1392	0.807	20.383	2.91
NN43	w	837	1674	0.807	20.383	3.49
NN44	w	355	710	0.807	20.383	1.48
NN45	w	418	836	0.807	20.383	1.75
NN46	w	418	836	0.807	20.383	1.75

GG13	w	228	456	0.807	20.383	0.95
GG14	w	159	318	0.807	20.383	0.66
GG15	w	142	284	0.807	20.383	0.59
GG16	w	145	290	0.807	20.383	0.61
GG17	w	135	270	0.807	20.383	0.56
GG18	w	111	222	0.807	20.383	0.46
GG19	w	141	282	0.807	20.383	0.59
HH3	f	9838	19676	0.807	20.383	41.08
HH4	f	3298	6596	0.807	20.383	13.77
HH5	f	1150	2300	0.807	20.383	4.80
HH6	f	9892	19784	0.807	20.383	41.30
HH7	f	847	1694	0.807	20.383	3.54
HH8	f	301	602	0.807	20.383	1.26
HH9	f	5041	10082	0.807	20.383	21.05
HH10	f	9753	19506	0.807	20.383	40.72
HH11	f	6959	13918	0.807	20.383	29.06
HH12	f	2293	4586	0.807	20.383	9.57
HH13	f	1576	3152	0.807	20.383	6.58
HH14	f	842	1684	0.807	20.383	3.52
HH15	f	617	1234	0.807	20.383	2.58
HH16	f	476	952	0.807	20.383	1.99
HH17	f	224	448	0.807	20.383	0.94
HH18	f	843	1686	0.807	20.383	3.52
HH19	f	325	650	0.807	20.383	1.36
HH20	w	420	840	0.807	20.383	1.75
HH21	w	118	236	0.807	20.383	0.49
II4	f	2340	4680	0.807	20.383	9.77
II5	f	5307	10614	0.807	20.383	22.16
II6	f	9846	19692	0.807	20.383	41.11
II7	f	17052	34104	0.807	20.383	71.20
II8	f	9378	18756	0.807	20.383	39.16
II9	f	3413	6826	0.807	20.383	14.25
II10	f	1508	3016	0.807	20.383	6.30
II11	f	1707	3414	0.807	20.383	7.13
II12	f	1661	3322	0.807	20.383	6.94
II13	f	1426	2852	0.807	20.383	5.95
II14	f	768	1536	0.807	20.383	3.21
II15	f	1024	2048	0.807	20.383	4.28
II16	f	460	920	0.807	20.383	1.92
II17	f	359	718	0.807	20.383	1.50
II18	f	308	616	0.807	20.383	1.29
II19	f	322	644	0.807	20.383	1.34
II20	w	137	274	0.807	20.383	0.57
II21	w	130	260	0.807	20.383	0.54
II22	w	80	160	0.807	20.383	0.33
II23	w	1026	2052	0.807	20.383	4.28
JJ4	f	10651	21302	0.807	20.383	44.47
JJ5	f	7514	15028	0.807	20.383	31.37
JJ6	f	7246	14492	0.807	20.383	30.25
JJ7	f	3758	7516	0.807	20.383	15.69
JJ8	f	4054	8108	0.807	20.383	16.93
JJ9	f	2118	4236	0.807	20.383	8.84
JJ10	f	803	1606	0.807	20.383	3.35
JJ11	f	808	1616	0.807	20.383	3.37
JJ12	f	910	1820	0.807	20.383	3.38
JJ13	f	864	1728	0.807	20.383	3.61
JJ14	f	600	1200	0.807	20.383	2.51
JJ15	f	1755	3510	0.807	20.383	7.33
JJ16	f	341	682	0.807	20.383	1.42
JJ17	f	220	440	0.807	20.383	0.92
JJ18	f	286	572	0.807	20.383	1.19
JJ19	f	265	530	0.807	20.383	1.11
JJ20	w	148	296	0.807	20.383	0.62
JJ21	w	119	238	0.807	20.383	0.50
JJ22	w	98	196	0.807	20.383	0.41
JJ32	c	222	444	0.807	20.383	0.93
JJ33	c	193	386	0.807	20.383	0.81
JJ34	c	284	568	0.807	20.383	1.19
JJ35	c	261	522	0.807	20.383	1.09
JJ36	c	211	422	0.807	20.383	0.88
JJ37	c	225	450	0.807	20.383	0.94
JJ38	c	191	382	0.807	20.383	0.80
JJ39	c	237	474	0.807	20.383	0.99
JJ40	c	204	408	0.807	20.383	0.85
JJ41	c	202	404	0.807	20.383	0.84
JJ42	c	187	374	0.807	20.383	0.78
JJ43	c	180	360	0.807	20.383	0.75
JJ44	c	188	376	0.807	20.383	0.78
JJ45	c	177	354	0.807	20.383	0.74
JJ46	c	208	416	0.807	20.383	0.87
JJ47	c	195	390	0.807	20.383	0.81

45/45


PRE-DEMOLITION SURVEY FOR BUILDING 371
Survey Area: G
Survey Unit: DOP
Classification: N/A
Building: 371 Sub-Basement
Survey Unit Description: Floor Area Only
Total Area: 1740 sq. m.
Total Floor Area: 1740 sq. m.
PAGE 1 OF 1
Tank Pit
TANK PIT
1105
1119
1109
1127
1113
1103
1115
1107
1111
1003
1101
1202
1204
1232
1208
1216
1230
1004
1008
1214
1210
1006
SURVEY MAP LEGEND
N
FEET
METERS
U.S. Department of Energy
Rocky Flats Environmental Technology Site
FINAL