

**Pennsylvania DEP Bureau of Radiation Protection
Facility Survey Summary Sheet**

Facility/Site: Westinghouse Forest Hills

Date: 2/29/2000 **Contact Person:** Todd Brautigam **Phone #:** (724) 733-3000

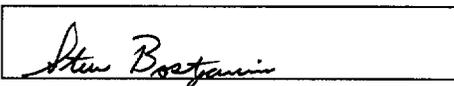
Equipment: Ludlum 2221s with NaI detectors and Bicon MicroAnalyst. Background: ~ 7.5kC/min, 10-12 µR/hr.

Performed gamma survey of excavated demineralization pit bottom and sides. Collected samples from side and bottom where highest count/exposure rates were noted.

Sample #5510025 – from side of pit west wall (survey point W3,2). Count rate 15 kC/min; exp. rate 35 µR/hr before and after sample collection. On site estimate of ¹³⁷Cs concentration was 37.3 pCi/g. Facility personnel stated that this area would undergo further decontamination.

Sample # 5510026 – from bottom of excavation (survey point FL1,3). Count rate 12.5 kC/min; exp. rate 25 µR/hr before and after sample collection. On site estimate 3.3 pCi/g.

See attached sample results.

Name: Steve Bostjancic, Roy Woods **Signature:**  **Date:** 2/29/2000

Sample ID: 5510 025 02/29/2000 Status: COMPLETED

Collector: Steven A Bostjancic
Collected: 02/29/2000 10:26:00 AM

County: Allegheny State: PA
Municipality: Forest Hills Boro

CBS CORP FOREST HILLS PLT
PO BOX 355
A AVE
PITTSBURGH PA 15230-0355

Facility/Permit ID: PA-0194 FIX ID: 516005
Facility: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE
Sub-Facility: PA-0194 FIX ID: 396607
Name: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE

Location: De-min pit wall W3,2
Reason: Routine Sampling

Field gamma spec indicates presence of Cs-137

Laboratory Sample ID: R2000000656 COMPLETED
Suite: RAD65
Matrix: Soil

A sample value is an observed reading of a sample's radioactivity on a given date and time.

The Lowest Level of Detection (LLD) is the minimum sample value that can be detected with 95% confidence.

The Counting Error (CE) is a factor that when added to and subtracted from a sample value, defines a range that will with 95% confidence encompass the actual sample value.

Test	95% LLD	Sample Value	95% CE
BA 140**	112	0.0000 PCI/KG	0
BE 7**	210	0.0000 PCI/KG	0
CO 58**	6	0.0000 PCI/KG	0
CO 60**	7	0.0000 PCI/KG	0
CS 134**	21	0.0000 PCI/KG	0
CS 137	14	36000.0000 PCI/KG	72
FE 59**	15	0.0000 PCI/KG	0

Sample ID: 5510 025 02/29/2000

Status: COMPLETED

Test	95% LLD	Sample Value	95% CE
I 131**	58	0.0000 PCI/KG	0
LA 140	0	0.0000 PCI/KG	0
MN 54**	6	0.0000 PCI/KG	0
NB 95**	9	0.0000 PCI/KG	0
PU 238**	27.459	0.0000 PCI/KG	0
PU 239**	93.2899	0.0000 PCI/KG	0
TH 228		Cancelled	
** Comment **	Possible Matrix Interference		
TH 230		Cancelled	
** Comment **	Possible Matrix Interference		
TH 232		Cancelled	
** Comment **	Possible Matrix Interference		
U 234	350.6333	1881.9556 PCI/KG	154.8444
U 235**	94.0978	93.3384 PCI/KG	38.9196
U 238	288.5467	1177.5622 PCI/KG	118.9622
ZN 65**	14	0.0000 PCI/KG	0
ZR 95**	13	0.0000 PCI/KG	0

** - This symbol indicates the reported sample value is lower than its corresponding lowest limit of detection.

Sample ID: 5510 025 02/29/2000 Status: COMPLETED

Collector: Steven A Bostjancic
Collected: 02/29/2000 10:26:00 AM

County: Allegheny State: PA
Municipality: Forest Hills Boro

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Sub-Facility: PA-0194 FIX ID: 396607
Name: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE

Location: De-min pit wall W3,2
Reason: Routine Sampling

Field gamma spec indicates presence of Cs-137

Laboratory Sample ID: R2000000657 COMPLETED
Suite: RAD92
Matrix: Soil

A sample value is an observed reading of a sample's radioactivity on a given date and time.

The Lowest Level of Detection (LLD) is the minimum sample value that can be detected with 95% confidence.

The Counting Error (CE) is a factor that when added to and subtracted from a sample value, defines a range that will with 95% confidence encompass the actual sample value.

Test	95% LLD	Sample Value	95% CE
RA 226	47.7272	1257.7193 PCI/KG	93.9867
RA 228	349.6586	1600.5065 PCI/KG	269.0906

** - This symbol indicates the reported sample value is lower than its corresponding lowest limit of detection.

Sample ID: 5510 026 02/29/2000

Status: COMPLETED

Collector: Steven A Bostjancic
Collected: 02/29/2000 10:35:00 AM

County: Allegheny
Municipality: Forest Hills Boro

State: PA

CBS CORP FOREST HILLS PLT
PO BOX 355
A AVE
PITTSBURGH PA 15230-0355

Facility/Permit ID: PA-0194 FIX ID: 516005
Facility: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE
Sub-Facility: PA-0194 FIX ID: 396607
Name: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE

Location: De-min pit bottom FL, 1, 3
Reason: Routine Sampling

Laboratory Sample ID: R2000000658
Suite: RAD65
Matrix: Soil

COMPLETED

A sample value is an observed reading of a sample's radioactivity on a given date and time.

The Lowest Level of Detection (LLD) is the minimum sample value that can be detected with 95% confidence.

The Counting Error (CE) is a factor that when added to and subtracted from a sample value, defines a range that will with 95% confidence encompass the actual sample value.

Test	95% LLD	Sample Value	95% CE
BA 140**	55	0.0000 PCI/KG	0
BE 7**	89	0.0000 PCI/KG	0
CO 58**	7	0.0000 PCI/KG	0
CO 60**	7	0.0000 PCI/KG	0
CS 134**	7	0.0000 PCI/KG	0
CS 137	9	3870.0000 PCI/KG	26
FE 59**	17	0.0000 PCI/KG	0
I 131**	274	0.0000 PCI/KG	0
LA 140	0	0.0000 PCI/KG	0
MN 54**	6	0.0000 PCI/KG	0

Sample ID: 5510 026 02/29/2000

Status: COMPLETED

Test	95% LLD	Sample Value	95% CE
NB 95**	9	0.0000 PCI/KG	0
PU 238**	59.1413	0.0000 PCI/KG	0
PU 239**	96.1737	0.0000 PCI/KG	0
TH 228		Cancelled	
** Comment **	Possible Matrix Interference		
TH 230		Cancelled	
** Comment **	Possible Matrix Interference		
TH 232		Cancelled	
** Comment **	Possible Matrix Interference		
U 234	338.5747	1604.4457 PCI/KG	149.7695
U 235**	73.3552	39.3703 PCI/KG	26.2575
U 238	300.8137	1392.6971 PCI/KG	134.3146
ZN 65**	16	0.0000 PCI/KG	0
ZR 95**	13	0.0000 PCI/KG	0

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Sample ID: 5510 026 02/29/2000 Status: COMPLETED

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Facility: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE
Sub-Facility: PA-0194 FIX ID: 396607
Name: WESTINGHOUSE FOREST HILLS PLT - PA RAM LICENSE

Location: De-min pit bottom FL, 1, 3
Reason: Routine Sampling

Laboratory Sample ID: R2000000659 COMPLETED
Suite: RAD92
Matrix: Soil

A sample value is an observed reading of a sample's radioactivity on a given date and time.

The Lowest Level of Detection (LLD) is the minimum sample value that can be detected with 95% confidence.

The Counting Error (CE) is a factor that when added to and subtracted from a sample value, defines a range that will with 95% confidence encompass the actual sample value.

Test	95% LLD	Sample Value	95% CE
RA 226	38.9883	1416.0284 PCI/KG	97.2809
RA 228	313.1433	1552.4774 PCI/KG	247.5152

** - This symbol indicates the reported sample value is lower than its corresponding lowest limit of detection.

