

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

**Facility/Site:**

Westinghouse Forest Hills

**Date:**

12/2/1999

**Contact Person:**

Todd Brautigam

**Phone #:**

(724) 733-3000

**Equipment** – Ludlum 2221 with 44-10 NaI detector, Exploranium GR-130 Mini-Spec

Performed gamma survey of piping/drain excavation in A Bldg Vault room. Background on 2221/44-10 was 4.9 to 5.1 kC/min. Noted elevated count rate of ~ 8.5 kC/min at edge of drain excavation. Material appeared to be concrete scabble dust. GR-130 indicated presence of  $^{137}\text{Cs}$  (see attached spectrum printout). Collected sample number 5510021 (see attached lab report). Facility personnel informed me that this area would undergo further decontamination. This area was also sampled by the NRC at a later date.

**Name:**

Steve Bostjancic

**Signature:**

*Steve Bostjancic*

**Date:**

12/2/1999

Date: 99.12.02 Time: 16.04.18

Units: cpm

GR130 Serial # 9655 Version # 403

Sample Time (s): 500.00

Number of Samples: 2

# EXPLORANUM GR130

## Spectrum Data

Cursor: 0 662 0  

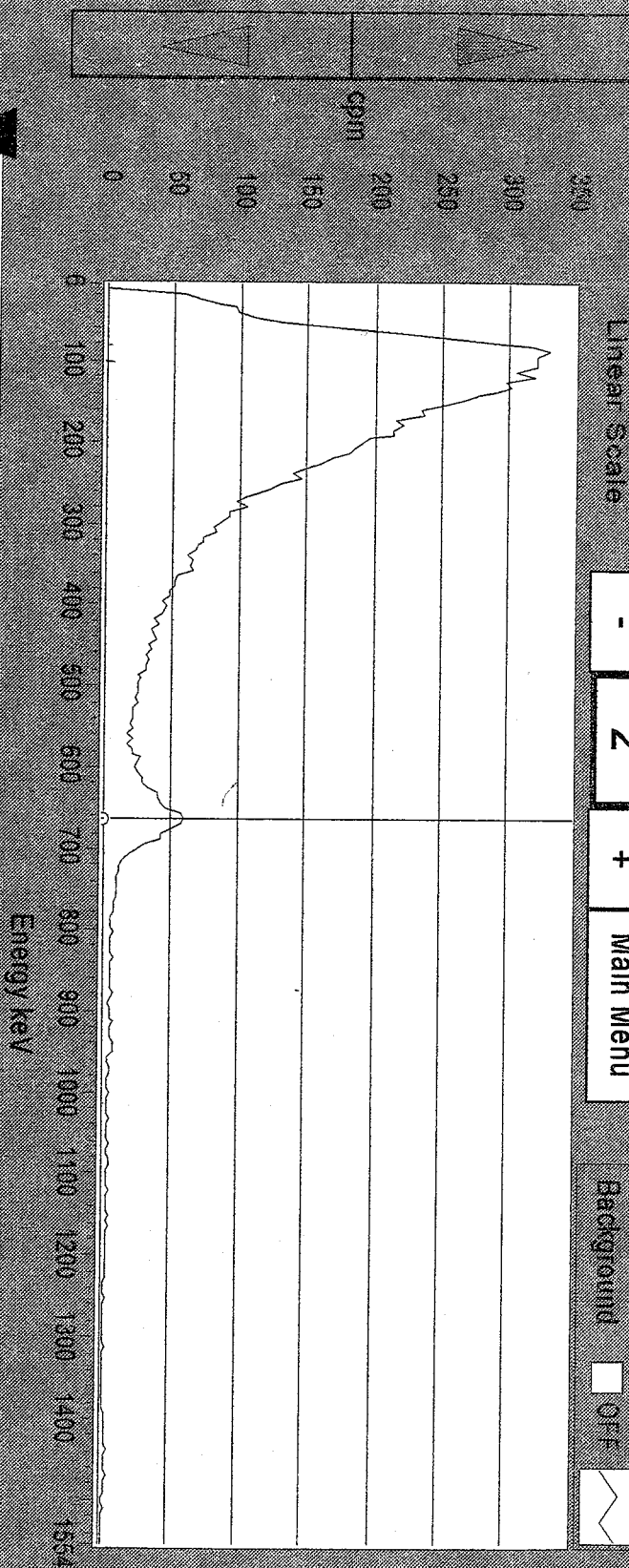
Blue Spectrum  
Red Spectrum

Background ☐ OFF



Linear Scale

- 2 + Main Menu



06/02/2000 12:06:19 AM

Laboratory Report For  
Radiation Protection

Page: 001

Sample ID: 5510 021 12/02/1999

Status: COMPLETED

Collector: Steven A Bostjancic  
Collected: 12/02/1999 02:50:00 PM

County: Allegheny  
Municipality: Forest Hills Boro

State: PA

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CBS CORP FOREST HILLS PLT  
PO BOX 355  
A AVE  
PITTSBURGH PA 15230-0355  
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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: Vault Room  
Reason: Routine Sampling  
Project: SURVEY NRC license compliance surveys

Exploranium GR-130 MiniSpec indicated presence of Cs-137

Appearance: Appears to be concrete scabbles dust

Laboratory Sample ID: R2000000540  
Suite: RAD92  
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
RA 226	34.7626	670.0864 PCI/KG	62.7179
RA 228	421.2126	762.4699 PCI/KG	282.244

06/04/2000 12:06:28 AM

Laboratory Report For  
Radiation Protection

Page: 001

Sample ID: 5510 021 12/02/1999

Status: COMPLETED

Collector: Steven A Bostjancic  
Collected: 12/02/1999 02:50:00 PM

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: Vault Room  
Reason: Routine Sampling  
Project: SURVEY NRC license compliance surveys

Exploranium GR-130 MiniSpec indicated presence of Cs-137

Appearance: Appears to be concrete scabble dust

Laboratory Sample ID: R2000000539  
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	0	0.0000 PCI/KG	0
BE 7**	730	0.0000 PCI/KG	0
CO 58**	14	0.0000 PCI/KG	0
CO 60	6	224.0000 PCI/KG	10

06/04/2000 12:06:28 AM

Laboratory Report For  
Radiation Protection

Page: 002

Sample ID: 5510 021 12/02/1999

Status: COMPLETED

Test	95% LLD	Sample Value	95% CE
CS 134**	14	0.0000 PCI/KG	0
CS 137	13	43000.0000 PCI/KG	79
FE 59**	53	0.0000 PCI/KG	0
I 131	0	0.0000 PCI/KG	0
LA 140	0	0.0000 PCI/KG	0
MN 54**	8	0.0000 PCI/KG	0
NB 95**	49	0.0000 PCI/KG	0
PU 238**	89.2145	0.0000 PCI/KG	0
PU 239**	100.3104	0.0000 PCI/KG	0
TH 228	0	0.0000 PCI/KG	0
TH 230	582.4876	885.8167 PCI/KG	280.1384
TH 232**	443.0172	371.5944 PCI/KG	180.1901
U 234	230.1646	604.8597 PCI/KG	96.474
U 235**	45.2561	4.8671 PCI/KG	9.7341
U 238	190.2381	471.8917 PCI/KG	82.3823
ZN 65**	17	0.0000 PCI/KG	0
ZR 95**	30	0.0000 PCI/KG	0

43 pCi/g

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