

**Case study - Incident: radioactive polonium contamination arising from the circumstances surrounding the death of Alexander Litvinenko, Westminster City Council, November 2006 - photographs and illustrations<sup>1</sup>**

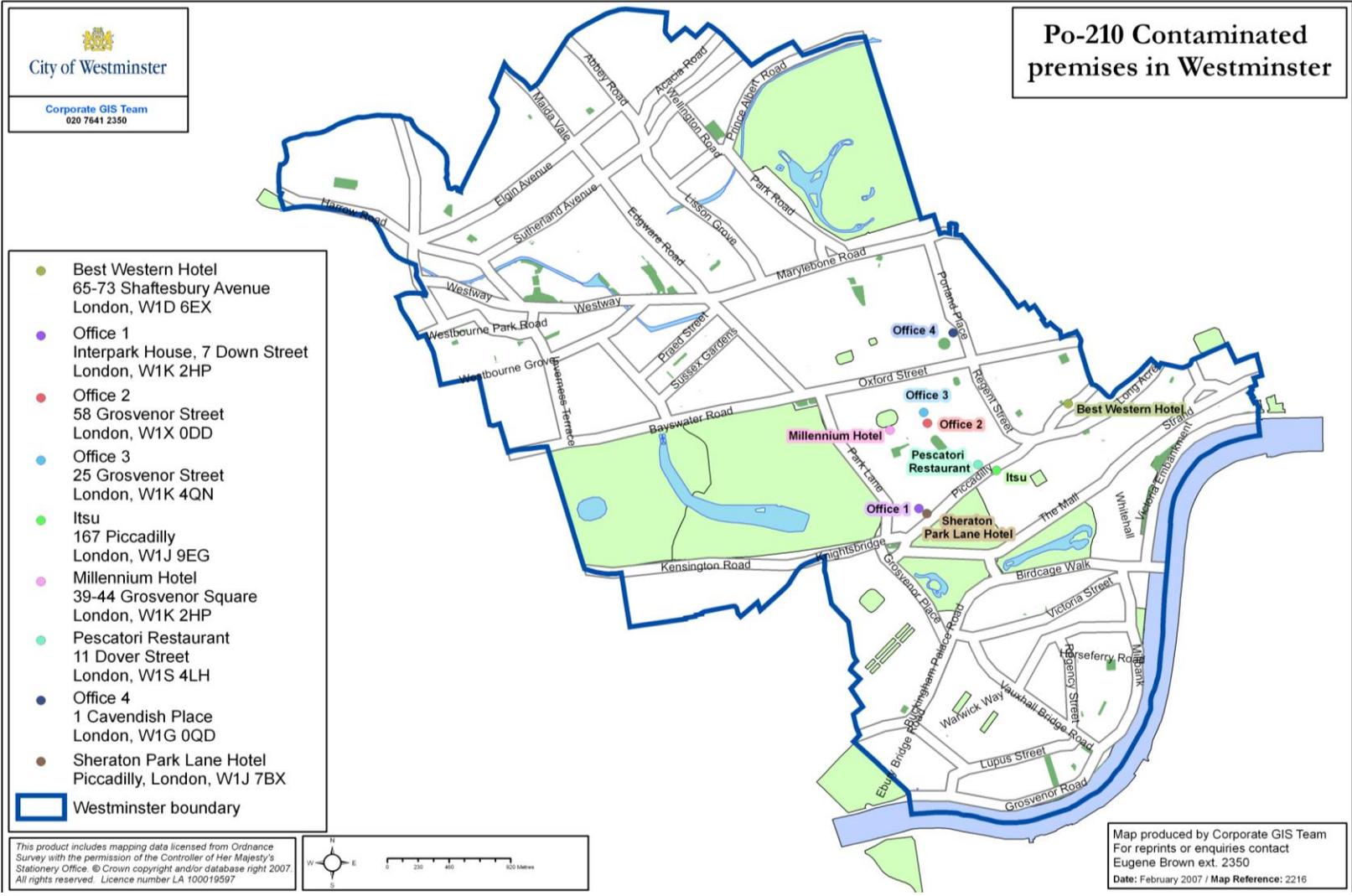
**Alexander Litvinenko (1963-2006)**



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<sup>1</sup> All figures and photographs provided by Westminster City Council, unless referenced otherwise

# Map of Westminster showing the 9 most contaminated venues



# Westminster's early tracking matrix

VENUE	AWE / HPA RESULTS RECEIVED	DEMANDS LEFT	SECURE	DATE(S) of MEETING HEAD	CONTRACTOR	MEASUREMENT	CONTRACTS ELIQUED	QUOTES REV'D	21 WEEKS HEAD	CONTRACTS NOTIFIED	WEEKS COMPLETED	WEEKS COMPLETED
① ITSU	(AWE ONLY) ✓	N/A	✓	05.12.06	NUKEM							
② MILLENNIUM	✓	✓	✓	13.12.06 4:30	NUKEM	Sent						
⑦ 7 DOWN ST	✓	✓	✓	12.12.06 11:00	NUKEM							
⑧ 25 Grosvenor	✓	✓	✓	18.12.06 12:00	NUKEM							
④ 58 Grosvenor	✓	✓	✓	15/12/06 - 10:30	NUKEM							
⑤ SHEARSON	✓	✓	✓	07.12.06	NUKEM							
⑦A BEST WESTERN	✓	✓	✓	18.12.06 11:00	NUKEM							
②A CANVESH PE	✓	✓	✓	10.12.06 4:00	NUKEM							

EXCEPT FOR 6<sup>TH</sup> FLOOR WKS.  
 PENDING CONFIRMATION ON "MARCH 2007"  
 4/12/06 when security # 11/12 report - advice  
 EXCEPT FOR 3<sup>RD</sup> FLOOR WKS.

POLICE RELEASE  
 EXCEPT FOR 3<sup>RD</sup> FLOOR WKS.  
 DD  
 SH  
 JW  
 SW  
 SH  
 SW  
 SH  
 SW

CONTRACTOR: NUKEM, AVICOLA, CAPILLON  
 MEASUREMENT: Sent  
 CONSTRUCTION: ELIQUED, QUOTES REV'D, 21 WEEKS HEAD, CONTRACTS NOTIFIED, WEEKS COMPLETED, WEEKS COMPLETED

FRIDAY 15/12/06



**Bath pre-decontamination**



**Photograph provided by Government Decontamination Service (GDS)  
(Nb. photo quality due to photo being taken from inside a plastic bag)**

## Bath post-decontamination



Photograph provided by Government Decontamination Service (GDS)

The photographs of the bathroom illustrate the need to reduce the amount of radioactive waste going into radioactive waste streams. The enamel contaminated with Polonium 210 was removed for disposal via a radioactive waste route, with everything else going into normal waste routes. This approach makes transportation easier and reduces costs.

## Items packaged for disposal



Furniture wrapped in black plastic as safe packaging to enable transportation and safe disposal to landfill registered for radioactive materials. Alpha particles from Polonium 210 are stopped by the packaging.

Photograph provided by Government Decontamination Service (GDS)

## Man in Personal Protective Equipment (PPE) in room during decontamination



Highlights need to work in PPE, need for sampling and monitoring pre- and post-decontamination and need for health and safety risk assessments.

Photograph provided by Government Decontamination Service (GDS)  
(Nb. photo quality due to photo being taken from inside a plastic bag)

**Sign outside ITSU restaurant on Piccadilly**

